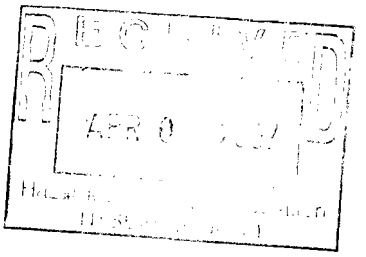
GEC

Mr. James X. Ascher
New York State Department of Environmental Conservation
Building 40 – SUNY
Stonybrook, New York 11790-2356



RE: Proposed Remedial Activities – AOC#3
Former Jameco Facility
248 Wyandanch Ave
Wyandanch, New York

Dear Mr. Ascher:

The following is a description of the remaining remedial activities to be conducted for Area of Concern (AOC) #3 at the former Jameco facility, 248 Wyandanch Ave, Wyandanch, New York (hereinafter known as the "Site"). As you know, on March 13, 2007, Robert Rein from Watts Water Technologies, Inc. (Watts) and representatives from Goldman Environmental Consultants, Inc. (GEC) met with you to discuss an alternative approach to completing the remedial actions for AOC#3. This letter is intended to outline Watts' proposed approach to meet or exceed the requirements of the Amended Record of Decision (ROD). As described below, GEC and Watts believe that excavation of all soil above the water table within AOC#3 is not the most current technologically-appropriate remedial alternative and that "surgical" excavation of the leaching chambers followed by confirmatory sampling, injection of chemicals to stabilize potential residual contaminants, capping and use restriction represent a more protective approach.

The ROD calls for the removal of all contaminated soil from AOC#3 to the water table along with the abandoned leaching chambers. The development of cleanup objectives/guidelines is described in the New York State Department of Environmental Conservation's (NYSDEC) Technical and Administrative Guidance Memorandum (TAGM) # 4046. TAGM 4046 provides five metrics used to develop soil cleanup objectives: (1) human health risks associated with non-threshold adverse effects; (2) human health risks associated with threshold adverse effects; (3) environmental concentrations which are protective of groundwater/drinking water quality; (4) background values for contaminants; and (5) detection limits. The procedure used for developing these cleanup objectives is provided in this TAGM.

Within the Remedial Investigation/Feasibility Study (RI/FS) for this Site, the soils of AOC #3 were targeted for remediation because they constituted a human health risk for threshold adverse effects and because they may be a continuing source of groundwater contamination. The estimated human health risk is principally due to elevated levels of nickel present in the leaching chamber soils, with contributions to risk caused by antimony, copper and lead. Based on groundwater analytical data, the

following AOC #3 soil contaminants may be a continuing source of groundwater contamination: chromium, copper, nickel and perhaps zinc. Within TAGM 4046, the NYSDEC recommended cleanup objectives for metals (i.e., for this case, antimony, copper, chromium, lead, nickel and zinc) were developed considering human health risks and background values for the metals. No recommended cleanup objectives or procedure to derive site-specific cleanup objectives associated with environmental concentrations protective of groundwater was provided for metals, but only for organics.

In order to reach TAGM objectives for this area, the ROD states that all of the existing soil must be removed. However, any soil with metals concentrations above TAGM objectives and situated below the water table would remain in place and be subject to groundwater fluctuation and potential mobilization of residual metals contamination. As was conducted elsewhere on the Site (AOC#1 and AOC#2/5), excavation of significant soil contamination followed by in-situ chemical treatment of residual metals, has been shown to reduce the concentration of metals in groundwater. Please refer to Table 2 attached.

As an alternative approach, Watts proposes to remove the 42 leaching chambers and the most contaminated soils within and adjacent to each chamber, collect confirmatory samples to demonstrate that the most elevated levels of contamination (i.e., the majority of contaminated soils) have been removed, backfill with clean soil, cap the area with asphalt or concrete to prevent access to the soils and prevent surface water infiltration, followed by in-situ chemical treatment to stabilize the residual contamination, file a land use restriction to maintain the barrier and prevent access to the soil, and finally conduct five years of groundwater monitoring to ensure a successful cleanup. GEC conducted a risk assessment that shows there is a level of no significant risk if the residual contamination remains, as was the case in the other AOCs. Groundwater sampling over the past several years and since the chemical injections were conducted, shows a steady decrease in metals concentrations that demonstrates the effectiveness of this proposal.

Watts proposes remediating AOC#3 in a manner consistent with what has been approved and conducted in other AOCs on the property. In addition, Watts believes the proposed approach is more protective than the current requirements of the ROD because it prevents surface water infiltration with a cap and addresses low level contaminants in soils below the water table, further reducing the potential for mobilization to groundwater.

Background and Objective

Watts is fully committed to completing the requirements of the ROD in all AOCs on-Site, implementing necessary land use restriction, and conducting five years of groundwater monitoring to ensure a successful cleanup. Watts has also adopted the U.S. Environmental Protection Agency (EPA) philosophy of conducting on-Site treatment and/or stabilization wherever possible rather than: 1) unnecessarily filling-up valuable landfill space, and 2) increasing the potential for long-term liability from waste material

relocation to an off-Site (and potentially out-of-state) landfill that may be susceptible to leakage and further cleanup requirements. This approach is also consistent with NYSDEC's guidance on desirable remedial technologies as provided in TAGM 4030, *Selection of Remedial Actions at Inactive Hazardous Waste Sites*.

It has been determined through recent waste characterization testing of the soil between the leaching chambers that the level of metal contamination is relatively low, and consistent with or below the concentrations that were chemically treated in-situ in other areas of the Site. The concentrations of metals in soils immediately adjacent to the leaching chambers are typically one or two orders of magnitude greater than the concentrations in soil not in direct contact with the leaching chambers.

The removal of the leaching chambers and the immediately adjacent soil will eliminate soils with the most elevated contamination, leaving behind soils that can be treated in-situ. Our objective is to work with the NYSDEC in establishing an appropriate cleanup objective for each of the four metals of concern, chromium, copper, nickel, and zinc; understanding that the cleanup objective will take into account additional treatment, capping, and monitoring, as was approved in other AOCs.

Recent Assessment and Analytical Results

Soil

The attached Table 1A summarizes the soil conditions in AOC#3. The samples have been defined as being associated with a leaching chamber, shown in red (identified as LP for leaching pit or leaching chamber), and those associated with the soil located between the chambers shown in green. Figure 1A shows the sample locations, with LP's in orange (to be removed), and Figure 1B shows the sample locations with non-LP's in green (to remain and be treated with chemicals in-situ).

The average concentrations for the LP samples are approximately 13,000, 2,100, 10,100, and 3,500 parts per million (ppm) for chromium, copper, nickel and zinc, respectively. The average concentrations for the non-LP samples are approximately 140, 100, 100, and 35 ppm, respectively. The concentration differences between the LP samples and the non-LP samples are generally 100 times greater, which demonstrates that the metals contamination has remained in proximity to the source areas.

Samples from AOC#3 were also analyzed for Toxicity Characterization Leachate Procedure (TCLP). None of the samples collected between the leaching chambers exceed the TCLP standards for chromium or lead (both 5 mg/l), supporting the above observation that the metals contamination has remained in proximity to the source areas. Since copper, nickel and zinc are less toxic, there are no TCLP standards for those metals. TCLP data from soil samples collected from the leaching chambers in 1991 and 1999 indicate exceedences for chromium and nickel. Please refer to attached Table 1B. This supports the proposed approach of removing the soil in contact with the leaching chambers and treating in-situ the residual contamination, which already conforms with TCLP standards.

Groundwater

Table 2 summarizes the groundwater analytical results of metal samples collected from 1994 until 2007. A review of the four metals of concern indicates a steady decline in concentrations in groundwater across the Site. Historically there have been exceedences of the NYSDEC standards for these metals in several wells (as seen in bold on the table). The most recent analytical data, of samples collected in January 2007 after the in-situ chemical treatment, shows very few exceedences. It is important to note that, of the two wells located within AOC#3, the one that is in the area that has been treated with chemical injections (MW-3) no longer exceeds the standards, and the well that is located outside the treatment area (MW-4) still exceeds for chromium and nickel.

Risk Assessment Update for AOC#3

GEC updated the RI/FS risk assessment for AOC#3 and the off-Site residential property exposure points. For AOC#3, the risk assessment was updated to: (1) evaluate risks to Site receptors presuming remediation of the leaching chambers and exposure to contaminants at levels representative of those in the remaining soils; and (2) evaluate risks to residents from future exposure to groundwater as a source of drinking water. Recently collected soil and groundwater data for chromium, copper, nickel and zinc were used in the risk assessments. For soils, previously collected data for a variety of contaminants were also considered.

Soils

For soils, GEC assumed that soils with the most elevated contamination would be excavated from the leaching chambers / pits exposure point, and the remaining soils would be stabilized to minimize leaching (even though they already pass TCLP). A more conservative risk assessment was conducted for the residential property adjacent to AOC#3 using the maximum concentrations detected of four key metals with no removal or treatment.

For soils, the following receptors were identified for the leaching chamber / pit exposure point:

(1) On-Site Indoor Worker
(2) On-Site Outdoor Worker
(3) Visitor / Trespasser
(4) Construction / Utility Worker

For soils, the following receptor was identified for the off-Site residential exposure point:

(1) Resident

For each receptor, both chronic and subchronic exposure was presumed to occur. For subchronic exposure at the leaching chamber / pit exposure point, GEC assumed that exposure to soils and dust could only occur during a 6-month soil excavation project; otherwise, the soils remain covered with some sort of permanent barrier or cap. For

chronic exposure, the exposure duration ranged from 5 to 27 years, depending on receptor.

For these exposure points, the four principal contaminants of concern, as well as antimony, are not carcinogens. Note: Antimony was not detected in soils of AOC#3 outside the leaching chambers. Lead is a Class B2 carcinogen, but there are too many uncertainties in its toxicity data set to derive a quantitative risk estimate. Therefore, for this reason, as well as because the RI/FS risk assessment did not indicate a significant threat of cancer for either exposure point, the carcinogenic risk assessments were not revised for these exposure points. No dose response values are provided herein, because they remain unchanged from the RI/FS report. Exposure assumptions are also unchanged.

The Hazard Indices (HI) or Hazard Quotients were calculated to estimate risk. For each receptor, the total cumulative risk was estimated for both chronic and subchronic exposures. For AOC#3, following the presumed excavation of the most elevated contaminated soils, the total cumulative risk estimates for the residual soil contamination and each receptor does not exceed the USEPA's risk limit of 1.0. The maximum HI estimate is 0.12. This finding exists regardless of whether the exposure duration is subchronic (soils are covered by a permanent barrier except during an excavation project) or chronic (soils are not covered with a permanent barrier).

Receptor	Chronic HI	Subchronic HI
On-Site Indoor Worker	0.033	0.029
On-Site Outdoor Worker / Construction Worker / Utility Worker	0.12	0.095
Visitor / Trespasser	0.0067	0.026

For the resident of the off-Site residential property exposure point, the total cumulative chronic and subchronic risk estimates do not exceed the USEPA's risk limit. The chronic and subchronic HI estimates were 0.39 and 0.53, respectively. Please see the attached Risk Assessment Update text and supporting tables.

For metals, the TAGM 4046 Recommended Cleanup Objectives for soil were derived by NYSDEC based on the most stringent value for non-threshold and threshold human health risks and the background values. For each metal of concern (i.e., most notably chromium, copper, lead, nickel and zinc), the Recommended Cleanup Objectives for metals in soils are the published (Eastern U.S) or site background concentrations. Although both the EPA and NYSDEC prefer remedial technologies that result in on-Site solidification or chemical fixation remedial technologies over off-site land disposal, these technologies will not achieve background conditions. The results of this risk assessment indicate that, using targeted excavation of soils, levels of metals above background could remain and still have no significant threat to human health. GEC and Watts recommend deriving Site-specific risk-based Soil Cleanup Objectives for use during the soil excavation phase of the remediation. TAGM 4046 provides methodology for deriving threshold-effects Cleanup Objectives based on an intake rate of 0.2 grams per day by a

16-kg child resident for 5 years. This approach should result in a Site-Specific Cleanup Objective that is more elevated than background values and consistent with residual levels of metals predicted to remain in soils following excavation.

TAGM 4046 does not provide a method for deriving Cleanup Objectives for metals in soils that may constitute a continuing source of groundwater contamination. However, the soil data are evaluated below in **Groundwater** to determine whether the residual levels of soil contamination are likely to be a continuing source of groundwater contamination.

Groundwater

Risks from exposure to metals in groundwater were evaluated for the four metals historically present on-Site at levels above the standards and guidance values provided in *Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations* (Technical and Operational Guidance Series (TOGS) 1.1.1) for GA Groundwater. Groundwater categorized GA is intended as a current or potential future source of drinking water. The TOGS 1.1.1 standards are considered Applicable, Relevant or Appropriate Regulations (ARARs). The standards for chromium, copper and nickel are 50, 200 and 100 µg/l, respectively. The guidance value for zinc is 2,000 µg/l.

Two monitoring wells are located within AOC#3; they are designated MW-3 and MW-4. For these monitoring wells, historical levels of chromium, copper and nickel in groundwater have exceeded their TOGS 1.1.1 standards for GA groundwater. Zinc has not exceeded its GA guidance value for these two monitoring wells.

In January 2007, a groundwater sample was collected from MW-3 and MW-4 and analyzed for chromium, copper, nickel and zinc. No metals were detected in MW-3 at a level above their sample quantitation limits (SQL). The SQL for a given metal was below its applicable TOGS 1.1.1 standard or guidance value. Based on the available groundwater data, groundwater conditions at MW-3 do not exceed an ARAR. Prior to the January 2007 sampling event, MW-3 had been injected with a chemical to stabilize the contamination. Based on the groundwater data, chemical injection appears effective in reducing groundwater contaminant levels to below ARARs.

For MW-4, during the period 2002 to 2007, groundwater samples were collected four times and analyzed for these four metals. Levels of copper and zinc in groundwater of MW-4 have never exceeded their applicable TOGS 1.1.1 GA standard and guidance value, respectively. Chromium and nickel are present in groundwater of MW-4, including the 2007 sampling round, at levels above their applicable TOGS 1.1.1 GA standards. Chromium is present at a level less than 4-fold above its GW standard. Nickel is present at a level approximately 20-fold above its GW standard. However, the levels of these four metals detected in MW-4 have historically been less than or comparable to those levels detected in MW-3. Therefore, chemical injection is likely to be effective at stabilizing soils and reducing contaminant levels to below ARARs. Refer to Table 2A for a comparison of GW standards to groundwater contaminant levels.

Because nickel and chromium levels in MW-4 exceeded its GW standards, intended to be protective of a potential drinking water source, a human risk assessment was conducted for exposure to drinking water by a future resident. The levels of chromium, copper, nickel and zinc detected in MW-4 were used as the exposure point concentrations. Copper, nickel and zinc are not carcinogens. Based on groundwater analytical data, the chromium present in groundwater is mostly attributable to chromium VI. Chromium VI is not a known carcinogen by the oral route. Based on the foregoing, only threshold adverse effects were evaluated.

The receptor was assumed to be a 15.6 kg child, aged 1-6 years, who consumes 1 liter of water per day and who bathes 15 minutes per day resulting in whole body dermal contact. The exposure occurs 365 days per year for 5 years. The dose response values are unchanged from the original RI/FS risk assessment.

For the resident, the total cumulative chronic risk estimate does not exceed the USEPA's risk limit of 1.0. The chronic HI estimate was 0.11, respectively. These results indicate that although current chromium and nickel levels may exceed GW standards, there is no significant threat to human health from ingestion and dermal contact to metals in drinking water of AOC#3. This finding exists even though soils from the leaching pools have yet to be excavated. Please see the attached Risk Assessment Update text and supporting tables.

Metal data for samples collected in September 2006 are provided for both total metals and TCLP in Tables 1A and 1E, respectively. These soil samples were collected for areas outside the leaching chambers that are proposed for excavation. TCLP standards were developed to be protective of groundwater impacts from landfill leachate. For chromium, the TCLP levels detected do not exceed the TCLP standard for any soils likely to remain in place following soil excavation. The maximum concentration of total chromium detected in these soils was 680 mg/kg. This same sample had the highest TCLP chromium level of 0.27 mg/l, which is far below the TCLP standard of 5 mg/l. In contrast, in 1991, the leaching chambers had TCLP chromium levels, ranging from 5.1 to 92 mg/l, significantly higher than the TCLP standard. No TCLP standard exists for copper, nickel or zinc. The highest levels of nickel contamination coincide with the chromium contamination. The levels of copper and zinc in groundwater are already consistent with ARARs. Levels of copper and zinc in soils are already not a significant source of groundwater contamination. The proposed targeted soil excavation should remove the bulk of the soil contamination, including chromium and nickel, which is serving as a continuing source of groundwater contamination. The TCLP data suggest that especially for chromium, the soil excavation is likely to be sufficient to eliminate a continuing source of groundwater contamination. The available groundwater data for all four metals in MW-3, as well as supporting data for elsewhere on the Site, indicate that chemical injection should stabilize soils sufficiently to eliminate or control a continuing source of groundwater contamination and reduce metal contamination in groundwater to levels below GW standards. This finding appears to be true for MW-3 even with the impact of soils that have not yet been excavated from the leaching chambers.

Based on the evaluation provided above, there is no significant threat to human health from the levels of metals currently present in groundwater of AOC#3; levels of copper and zinc in groundwater already are currently consistent with GA standards; even though soil excavation has not yet been conducted, chemical treatment of MW-3 resulted in levels of metals below SQL and the SQL are below the GA standard for each metal; and the highest TCLP level for chromium remaining in residual soils is nearly 20-fold below its TCLP standard, which suggests the elimination of a significant continuing source of groundwater contamination by excavation alone. The available body of evidence strongly suggests that metal Site-specific soil Cleanup Objectives set above the Recommended Cleanup Objectives will result in no significant threat to human health from exposure to soils or groundwater and in the reduction of groundwater contamination to levels below TOGS 1.1.1 GA standards.

Proposed Remedial Actions

Based on the results of the recent soil and groundwater sampling, and the risk assessment update for AOC#3, Watts proposes the following approach for AOC#3:

- Excavate and remove 42 of the 48 leaching chambers and visibly-contaminated soils associated with each chamber for off-Site disposal;
- Collect approximately four sidewall samples from each excavation for field screening with an XRF instrument for chromium, copper, nickel and zinc;
- Compare residual metal concentrations to an agreed upon cleanup objective to determine if additional soil removal is necessary;
- If required, excavate additional soil and collect additional samples;
- Once acceptable levels are achieved, collect one composite sample from four sidewalls for laboratory analysis for confirmation;
- Backfill each excavation with certified clean sand,
- Install a barrier at the surface (either pavement or concrete) to limit surface water infiltration;
- Install permanent injection wells and conduct in-situ chemical treatment, consistent with what was conducted for AOC#1, 2/5;
- File a land use restriction restricting access to the underlying soils, and requiring maintenance of the overlying barrier;
- Monitor the groundwater across the Site for five years and provide copies of the monitoring results to the NYDEC.

During the recent waste characterization effort, GEC determined that the last line (southern) of six leaching chambers could not be removed without causing extensive damage to the existing row of large white pine trees present along the property line to the south. This line of trees acts as a valuable visual, noise and aesthetic buffer between the residential properties to the south and the ongoing manufacturing operations at the Site. Upon receiving approval from the NYSDEC, in-situ chemical treatment was conducted along the southern property line. Chemical injections were conducted from the water table to the ground surface at locations between each of the six leaching pits. Each pit

was also treated with direct injections into the chambers. The remaining 42 leaching chambers will be removed.

During recent excavation activities, GEC observed soil staining in direct contact with the leaching chamber. In addition to removing the chambers, any visibly stained soil (green or blue streaks) will be removed along with residual soil at the bottom of each chamber above the water table. The excavation will not extend into the groundwater table. Once the chamber and stained soil are removed, four side wall samples will be collected and field screened with an XRF for chromium, copper, nickel and zinc. Soil samples will be collected from the bucket of the excavator as physical access to each pit will not be allowed due to potential soil sloughing and/or sidewall collapse. Once acceptable levels are reached, a composite sample from the four sidewalls will be collected and submitted for laboratory analysis for chromium, copper, nickel, and zinc.

Construction Sequence

The construction sequence for excavation and backfilling is discussed below. The leaching chambers are situated as seven rows with six chambers per row. The following provides the detailed construction sequence:

- Remove the six chambers along the southern most row and collect residual soil samples for field screening,
- Once acceptable levels are reached collect a composite sample for laboratory analysis for quick turnaround;
- Stockpile or live load the concrete chambers and soil for disposal,
- While waiting on analytical results, remove the remaining chambers along the western and eastern most columns,
- Compare the analytical results to the agreed upon cleanup objectives and remove additional soil as needed and resample,
- Backfill pits that meet the agreed upon cleanup objectives,
- Repeat the process starting with the southern most row of chambers, then western and eastern columns.
- Remove any remaining asbestos containing pipes for off-site disposal. The piping will be handled by certified trained personnel, consistent with the work already conducted in this area during the waste characterization sampling.
- Conduct continuous fence-line air monitoring during all excavation activities.

As the excavation process continues, GEC and Watts will work with the NYSDEC in developing agreed upon cleanup objectives. To accomplish this, we will modify the risk assessment to back-out cleanup objectives that will be protective of human health and the environment. It is important to re-emphasize that even after the agreed upon cleanup objectives have been met, in-situ chemical treatment, a surface barrier, land use restriction and 5 years of monitoring will ensure the protection of groundwater, improve upon the existing proposed procedures and exceed the requirements of the ROD.

Waste Disposal

According to the NYSDEC, on-Site reuse of the excavated material will not be permitted. The concrete chambers and soil will be disposed off-Site. GEC and Charter (excavation contractor) are evaluating disposal options. GEC will notify the NYSDEC of the final disposal facility, and name of the excavation contractor. The contractor will also remove and properly dispose of the contaminated sediment from the two catch basins located near boring samples B-27 and B-28, in accordance with the ROD.

Any remaining asbestos containing piping will be removed during excavation, properly containerized and shipped off-site for disposal.

Conclusions and Recommendations

The ROD calls for the removal of contaminated soil from AOC#3 and references the Recommended Soil Cleanup Objectives in TAGM 4046 as the cleanup objectives and/or guidelines. Watts proposes the following: (1) NYSDEC with the participation of GEC and Watts develop Site-specific risk-based Soil Cleanup Objectives; (2) remove the most contaminated soil associated with each of the 42 leaching chambers; and (3) stabilize the residual contamination with chemical injections consistent with the approved treatment alternative for AOC#1 and #2/5. Injection wells will be completed as permanent subsurface structures and, thus, be accessible in case future injections are warranted. In addition to the in-situ chemical treatment, Watts proposes installing a barrier at the surface to prevent surface water infiltration, and to prevent future access to the soil. Finally, Watts proposed to file a land use restriction to maintain the barrier and limit future access to the underlying soils, and conduct five years of groundwater monitoring to ensure a successful Site cleanup.

Watts and GEC believe the above approach is not only consistent with the approach already implemented elsewhere on the Site, but also consistent with work approved within AOC#3 along the southern property boundary. We also believe that this approach is more protective of groundwater and, with the additional chemical treatment and installation of the barrier, goes beyond the requirements of the ROD. As previously mentioned, recent groundwater sampling results indicate the levels of total metal concentrations continue to drop since the recent chemical injection treatment. The concentrations of the four metals of concern in samples collected from well MW-3, located in the area recently treated, has dropped to below cleanup standards. The concentrations of the four metals of concern in samples collected from MW-4, located outside of the treated area has increased since the previous sampling round. Please refer to attached Table 2.

The proposed approach not only reduces significantly the amount of off-Site disposal, and the associated liabilities, but also is more protective of human health and the environment, since chemical treatment will reach below the water table and across the property boundary, where no treatment is currently required.

If you need any additional information regarding this letter, please contact GEC at 781-356-9140.

Respectfully submitted,
Goldman Environmental Consultants, Inc.

Prepared by:

Brian Butler, LSP
Senior Project Manager

Prepared by:

for Eileen Furlong
V.P., Waste Site Program

Reviewed and Approved by:

Samuel W. Butcher, LSP
V.P., Operations

cc: Robert P. Rein, LSP, Director of Environmental Affairs, Watts Water Technologies, Inc.

Attachments:

Figures
Tables
Risk Assessment Update
Laboratory Analytical Data

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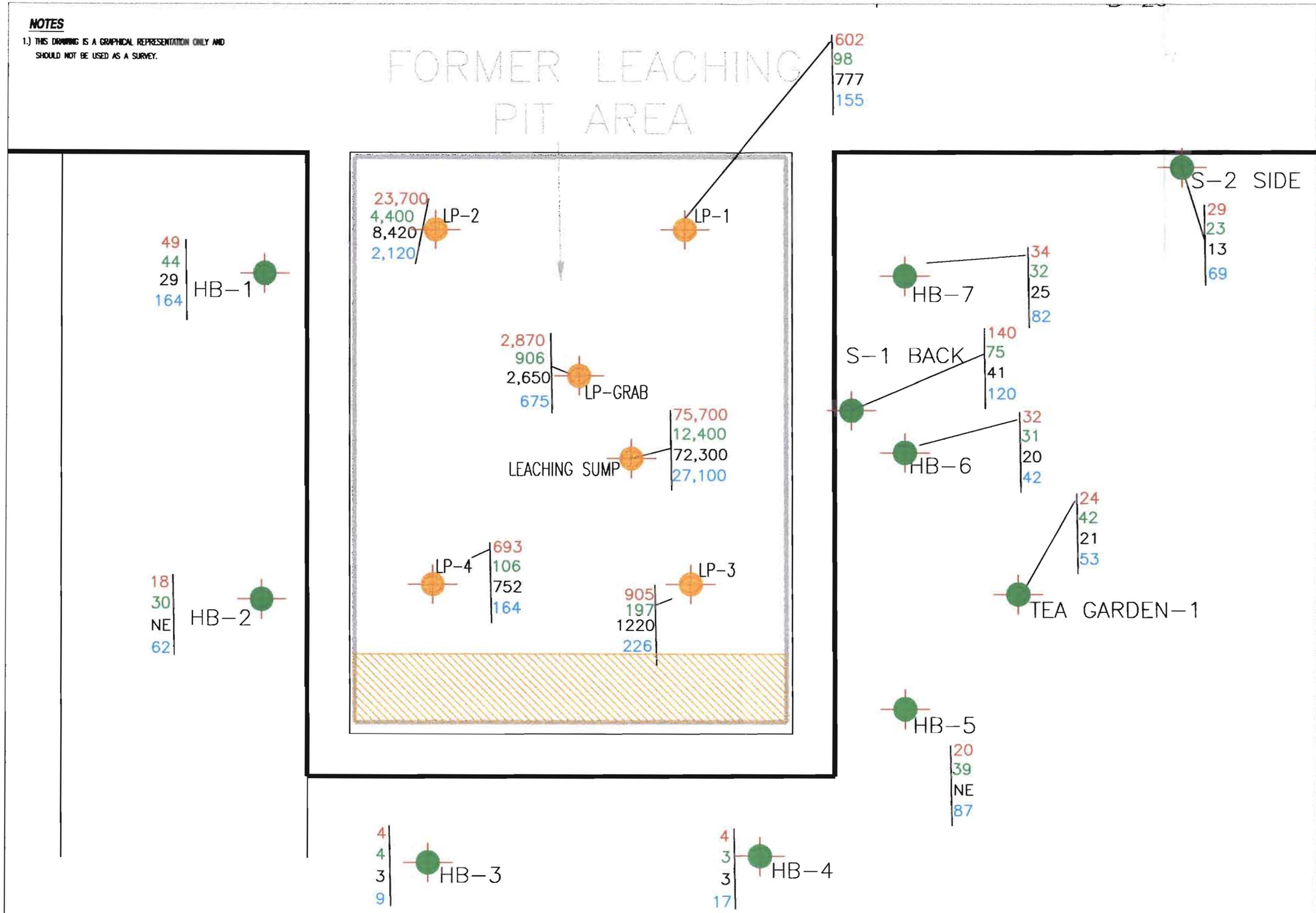
FIGURES

NOTES

1.) THIS DRAWING IS A GRAPHICAL REPRESENTATION ONLY AND SHOULD NOT BE USED AS A SURVEY.



Goldman Environmental Consultants, Inc.
60 Brooks Drive
Braintree, MA 02184
(781) 356-9140 Fax: (781) 356-9147
www.GoldmanEnvironmental.com

Legend

Value	Maximum Chromium Concentration
Value	Maximum Copper Concentration
Value	Maximum Nickel Concentration
Value	Maximum Zinc Concentration
	Area treated with ISCO
	Sample Location
	Concentration Exceeds Standard
	To be Remediated
	Residual Concentrations to Remain

Clean-up Objectives (TAGM)

10 ppm	Chromium
25 ppm	Copper
13 ppm	Nickel
20 ppm	Zinc

AOC #3 Proposed Soil Removal

Former Jameco Facility
248 Wyandanch Avenue
Wyandanch, New York

GEC Project Number 444-6400
GEC File Number 030907A

FIGURE 1A

SCALE
1 : 20'

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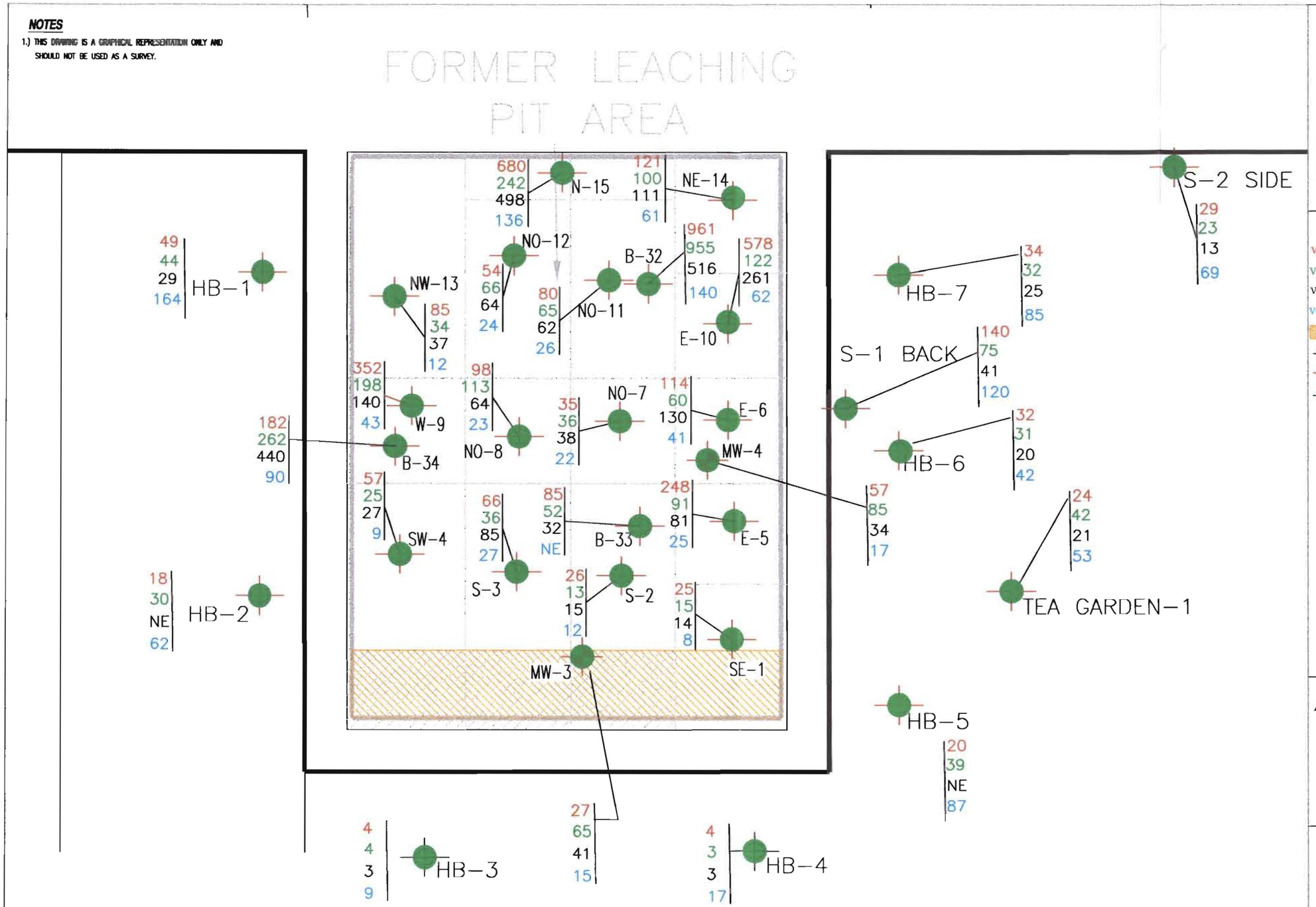
NOTES

1.) THIS DRAWING IS A GRAPHICAL REPRESENTATION ONLY AND SHOULD NOT BE USED AS A SURVEY.



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Goldman Environmental Consultants, Inc.
60 Brooks Drive
Braintree, MA 02184
(781) 356-9140 Fax: (781) 356-9147
www.GoldmanEnvironmental.com

Legend

Value	Maximum Chromium Concentration
Value	Maximum Copper Concentration
Value	Maximum Nickel Concentration
Value	Maximum Zinc Concentration
	Area treated with ISCO
	Sample Location
	Concentration Exceeds Standard
	Residual Concentrations to Remain

Clean-up Objectives (TAGM)

10 ppm	Chromium
25 ppm	Copper
13 ppm	Nickel
20 ppm	Zinc

AOC #3 Proposed Soil Residual

Former Jameco Facility
248 Wyandanch Avenue
Wyandanch, New York

GEC Project Number 444-6400
GEC File Number 030807A

FIGURE 1B

SCALE
1 : 20'

N

TABLES

Table 1A
Summary of Soil Analytical Data: Metals
Former Jameco Facility
NY
(unit, parts per million [ppm], mg/kg)

Sample Identification	Sample Grid	Sample Depth (ft)	Sample Date	Antimony	RDL	Arsenic	RDL	Barium	RDL	Cadmium	RDL	Chromium	RDL	Copper	RDL	Lead	RDL	Nickel	RDL	Zinc	RDL
AOC #3																					
MW-3	S-2	4-6	11/1991	NA	--	4.50	--	3.09	--	NA	--	2.99	--	6.15	--	ND	--	5.83	--	5 03	--
	S-2	9-11	11/1991	NA	--	6.75	--	6.38	--	NA	--	8.13	--	14.3	--	ND	--	**18.3**	--	7.53	--
	S-2	14-16	11/1991	NA	--	**8.75**	--	5.92	--	NA	--	19.6	--	**40.0**	--	ND	--	**13.4**	--	12.1	--
	S-2	19-21	11/1991	NA	--	**7.70**	--	6.45	--	NA	--	27.2	--	**65.4**	--	ND	--	**40.6**	--	15.5	--
MW-4	E-6	4-6	11/1991	NA	--	2.70	--	5.72	--	NA	--	9.43	--	3.25	--	ND	--	**28.7**	--	16.6	--
	E-6	9-11	11/1991	NA	--	1.88	--	6.49	--	NA	--	**57.1**	--	**83.1**	--	ND	--	**33.7**	--	11.9	--
	E-6	14-16	11/1991	NA	--	1.30	--	9.77	--	NA	--	**68.2**	--	**89.7**	--	ND	--	**37.9**	--	11.5	--
	E-6	19-21	11/1991	NA	--	0.67	--	5.90	--	NA	--	43.7	--	**90.6**	--	ND	--	**42.5**	--	12.0	--
LP-1	NG	NG	11/1991	NA	--	NA	--	287	--	NA	--	**474**	--	**182**	--	NA	--	**326**	--	**104**	--
LP-2	NG	NG	11/1991	NA	--	NA	--	**330**	--	NA	--	**800**	--	**496**	--	NA	--	**754**	--	**317**	--
LP-3	NG	NG	11/1991	NA	--	NA	--	**373**	--	NA	--	**1,340**	--	**299**	--	NA	--	**1,095**	--	**468**	--
LP-4	NG	NG	11/1991	NA	--	NA	--	**765**	--	NA	--	**1,100**	--	**280**	--	NA	--	**938**	--	**236**	--
LP-1	NE-14	6-8	11/18/1998	2.60	--	ND	0.42	NA	--	ND	0.14	**602**	--	**98.3**	--	17 1	--	**777**	--	**155**	--
LP-1**	NE-14	6-8	11/18/1998	127	--	5.00	--	**307**	--	ND	0.049	**17,500**	--	**1,900**	--	**296**	--	**13,300**	--	**3440**	--
LP-2	NW-13	6-8	11/18/1998	121	--	3.4	--	NA	--	0.71	--	**23,700**	--	**4,400**	--	**328**	--	**8,420**	--	**2,120**	--
LP-2**	NW-13	6-8	11/18/1998	233	--	**9.40**	--	**561**	--	ND	0.072	**31,700**	--	**4,760**	--	**684**	--	**20,600**	--	**6,800**	--
LP-3	E-5	6-8	11/18/1998	5.30	--	ND	0.47	NA	--	ND	0.16	**905**	--	**197**	--	16	--	**1,220**	--	**226**	--
LP-4	SW-4	6-8	11/18/1998	5.70	--	ND	0.63	NA	--	0.45	--	**580**	--	**106**	--	12.7	--	**752**	--	**164**	--
LP-4 Duplicate	SW-4	6-8	11/18/1998	6.20	--	ND	0.63	NA	--	0.40	--	**693**	--	**119**	--	15.4	--	**904**	--	**203**	--
B-32	NO-11	0-2	11/18/1998	4.40	--	2.10	--	NA	--	ND	0.18	**961**	--	**955**	--	**102**	--	**516**	--	**190**	--
B-32	NO-11	5-7	11/18/1998	0.78	--	ND	0.42	NA	--	ND	0.14	3.40	--	1.60	--	1.40	--	2.20	--	**28.9**	--
B-33	S-2	0-2	11/18/1998	ND	0.058	ND	0.44	NA	--	ND	0.15	**85.1**	--	**51.6**	--	11.4	--	**32.3**	--	**18.9**	--
B-33	S-2	5-7	11/18/1998	ND	0.44	ND	0.33	NA	--	ND	0.11	2.00	--	1.20	--	0.93	--	1.90	--	7.00	--
B-34	W-9	0-2	11/18/1998	1.30	--	ND	0.48	NA	--	ND	0.16	**182**	--	**262**	--	36.8	--	**440**	--	**89.9**	--
B-34	W-9	5-7	11/18/1998	ND	0.72	ND	0.54	NA	--	ND	0.18	3.70	--	1.90	--	1.60	--	2.40	--	**24.9**	--
SE-1	SE-1	NA	9/19/06	ND	5	ND	1	40.8	0.5	ND	0.5	25.3	0.5	14 8	0.5	3	0.5	**14.4**	0.5	7.82	0.5
E-5	E-5	NA	9/19/06	ND	5	ND	1	146	0.5	ND	0.5	**248**	5	**90.9**	0.5	9.34	0.5	**81.4**	0.5	**25.5**	0.5
S-2	S-2	NA	9/19/06	ND	5	1.58	1	32.9	0.5	ND	0.5	25.6	0.5	12.7	0.5	3 32	0.5	**15.3**	0.5	11.9	0.5
E-6	E-6	NA	9/19/06	ND	5	1.18	1	30	0.5	ND	0.5	**114**	0.5	**59.6**	0.5	12 1	0.5	**130**	5	**41.2**	0.5
E-10	E-10	NA	9/19/06	ND	5	ND	1	282	0.5	ND	0.5	**578**	5	**122**	0.5	28 6	0.5	**261**	5	**61.8**	0.5
NE-14	NE-14	NA	9/20/06	ND	5	ND	1	25.6	0.5	ND	0.5	**121**	0.5	**100**	0.5	13.8	0.5	**111**	0.5	**60.6**	0.5
NO-7	NO-7	NA	9/20/06	ND	5	1.4	1	25.7	0.5	ND	0.5	34.9	0.5	**35.6**	0.5	12 2	0.5	**38.2**	0.5	**22**	0.5
NO-11	NO-11	NA	9/20/06	ND	5	1.9	1	12.1	0.5	ND	0.5	**80**	0.5	**64.8**	0.5	15.6	0.5	**62.1**	0.5	**26.4**	0.5
N-15	N-15	NA	9/20/06	ND	5	ND	1	70.8	0.5	ND	0.5	**680**	5	**242**	5	27 9	0.5	**498**	5	**136**	0.5
NO-12	NO-12	NA	9/20/06	ND	5	ND	1	15.1	0.5	ND	0.5	**54.3**	0.5	**67.5**	0.5	13 4	0.5	**63.5**	0.5	**23.8**	0.5
NO-8	NO-8	NA	9/20/06	ND	5	ND	1	17.1	0.5	ND	0.5	**98**	0.5	**113**	0.5	8.5	0.5	**64.4**	0.5	**23.1**	0.5
S-3	S-3	NA	9/21/06	ND	5	ND	1	25.3	0.5	ND	0.5	**66.4**	0.5	**35.9**	0.5	6.5	0.5	**84.7**	0.5	**26.9**	0.5
SW-4	SW-4	NA	9/21/06	ND	5	ND	1	10.8	0.5	ND	0.5	**57.4**	0.5	**25.5**	0.5	6.08	0.5	**27.2**	0.5	8.78	0.5
W-9	W-9	NA	9/21/06	ND	5	ND	1	130	0.5	ND	0.5	**352**	5	**198**	5	31.9	0.5	**140**	0.5	**42.7**	0.5
NW-13	NW-13	NA	9/21/06	ND	5	ND	1	38.5	0.5	ND	0.5	**85.3**	0.5	**34.1**	0.5	5.73	0.5	**37.2**	0.5	12.1	0.5
50 Oswego St.	S-1 Back	0 3	1/24/2007	NA	--	4.0	3.5	35	23	ND	0.58	**140**	12	75	23	32	12	**41**	12	**120**	58
50 Oswego St.	S-2 Side	0.3	1/24/2007	NA	--	ND	3	ND	22	ND	0 56	29	11	23	22	18	11.0	**13**	11	**69**	56
(Avearge New 2006 Conc.)				NA	--	0.77		60		NA		**175**		**81**				**109**		**35**	
To Be Remediated/Removed												**12,925**		**2,103**				**10,116**		**3,444**	
Residuals To Remain												**141**		**99**				**98**		**34**	
LEACHATE SUMP	Remediate	10/26/06	10/26/2006	NA	--	ND	100	**1,410**	0.5	**16.6**	5	**75,700**	50	**12,400**	50	**1,650**	5.0	**72,300**	50.0	**27,100**	5.0
	USGS Background											40-60		15-25				15-25		60-80	
	Eastern USA Background			No Information		4.8		290				33		13		14		11		40	
	NYS Background					3-12		15-600		0 1-1		1 5-40		1-50		4-61		0.5-25		0.5-25	
NYSDEC	Soil Cleanup Objective			SB		7.5 or SB		300 or SB		1 or SB		50 or SB		25 or SB		SB 4-61		13 or SB		20 or SB	
	Required Detection Limits			0.6		0 1		2.0		0.05		0.1		0.25		0.03		0.4		0.4	

Notes:
RDL = Reported Detection Limit
ND = Not Detected above RDL
LP= Leaching Pit Samples
MW/B= Soil boring samples

Bold= Bold results exceed standards.
Grid Samples= Composite samples from each grid location
50 Oswego St = Property abutting AOC #3
Green= Residual soils to remain

Red= Exceed USGS Background Range
NG= Not Given
NA= Not Applicable
SB= Site Background

Prepared by: BTB
Reviewed by: NI
Revised: 12/18/2006

TABLE 1B
SUMMARY OF SOIL ANALYTICAL DATA:
TOXICITY CHARACTERISTICS LEACHATE PROCEDURE
248 Wyandanch Avenue
Wyandanch, New York
(unit, parts per million [ppm], mg/l)

Sample Identification	Sample Depth	Sample Date	Analytical Method	Chromium	SQL	Copper	SQL	Lead	SQL	Nickel	SQL	Zinc	SQL
MW-3	4 - 6	11/91	NG	1.41	--	NA	--	ND	--	NA	--	NA	--
	9 - 11	11/91	NG	0.82	--	NA	--	ND	--	NA	--	NA	--
	14 - 16	11/91	NG	1.88	--	NA	--	ND	--	NA	--	NA	--
	19 - 21	11/91	NG	2.38	--	NA	--	ND	--	NA	--	NA	--
MW-4	4 - 6	11/91	NG	**6.00**	--	NA	--	ND	--	NA	--	NA	--
	9 - 11	11/91	NG	2.70	--	NA	--	ND	--	NA	--	NA	--
	14 - 16	11/91	NG	3.45	--	NA	--	ND	--	NA	--	NA	--
	19 - 21	11/91	NG	3.59	--	NA	--	ND	--	NA	--	NA	--
LP-1	NG	11/91	NG	**5.08**	--	NA	--	ND	--	NA	--	NA	--
LP-2	NG	11/91	NG	**21.8**	--	NA	--	ND	--	NA	--	NA	--
LP-3	NG	11/91	NG	**38.5**	--	NA	--	ND	--	NA	--	NA	--
LP-4	NG	11/91	NG	**30.1**	--	NA	--	ND	--	NA	--	NA	--
LP-GRAB	NG	11/91	NG	**47.3**	--	NA	--	ND	--	NA	--	NA	--
SLUDGE	NG	11/91	NG	**91.8**	--	NA	--	**14.1**	--	NA	--	NA	--
SEDIMENT	NG	11/91	NG	ND	--	NA	--	ND	--	NA	--	NA	--
LP-1A *	5-7	6/23/1999	3010/6010	0.14	--	1.35	--	0.0191	--	0.51	--	0.17	--
LP-1B *	10-12	6/23/1999	3010/6010	0.044	--	0.52	--	0.0053	--	0.16	--	0.079	--
LP-1C *	15-17	6/23/1999	3010/6010	0.023	--	0.40	--	0.0056	--	0.17	--	0.053	--
LP-2A *	5-7	6/23/1999	3010/6010	0.27	--	0.17	--	0.0153	--	0.07	--	0.052	--
LP-2B *	10-12	6/23/1999	3010/6010	0.53	--	0.42	--	0.0109	--	0.11	--	0.084	--
LP-2C *	15-17	6/23/1999	3010/6010	ND	0.010	0.13	--	0.0047	--	ND	0.040	0.078	--
LP-5A *	5-7	6/23/1999	3010/6010	0.18	--	0.50	--	0.0310	--	0.21	--	0.14	--
LP-5B *	10-12	6/23/1999	3010/6010	0.77	--	0.40	--	0.0182	--	0.13	--	0.11	--
LP-5C *	15-17	6/23/1999	3010/6010	0.18	--	0.24	--	0.0044	--	ND	0.040	0.044	--
SE-1	0-10	9/19/06	1311-6010	0.015	0.01	NA	--	0.020	0.015	NA	--	NA	--
E-5	0-10	9/19/06	1311-6010	0.054	0.01	NA	--	0.021	0.015	NA	--	NA	--
S-2	0-10	9/19/06	1311-6010	0.013	0.01	NA	--	0.018	0.015	NA	--	NA	--
E-6	0-10	9/19/06	1311-6010	<0.01	0.01	NA	--	0.024	0.015	NA	--	NA	--
E-10	0-10	9/19/06	1311-6010	0.153	0.01	NA	--	0.084	0.015	NA	--	NA	--
NE-14	0-10	9/19/06	1311-6010	0.015	0.01	NA	--	0.021	0.015	NA	--	NA	--
NO-7	0-10	9/19/06	1311-6010	<0.01	0.01	NA	--	0.032	0.015	NA	--	NA	--
NO-11	0-10	9/19/06	1311-6010	0.021	0.01	NA	--	0.058	0.015	NA	--	NA	--
N-15	0-10	9/19/06	1311-6010	0.270	0.01	NA	--	0.060	0.015	NA	--	NA	--
NO-12	0-10	9/19/06	1311-6010	0.014	0.01	NA	--	0.036	0.015	NA	--	NA	--
NO-8	0-10	9/19/06	1311-6010	0.088	0.01	NA	--	0.038	0.015	NA	--	NA	--
S-3	0-10	9/19/06	1311-6010	0.103	0.01	NA	--	0.053	0.015	NA	--	NA	--
SW-4	0-10	9/19/06	1311-6010	0.015	0.01	NA	--	<0.015	0.015	NA	--	NA	--
W-9	0-10	9/19/06	1311-6010	0.051	0.01	NA	--	0.051	0.015	NA	--	NA	--
NW-13	0-10	9/19/06	1311-6010	0.029	0.01	NA	--	0.030	0.015	NA	--	NA	--
Leachate Sump	10	10/26/2006	1311-6010	0.030	0.01	0.016	0.01	<0.015	0.015	9.6	0.100	3.32	0.01
Standard*	N/A			5.000		N/A		5.000		N/A		N/A	

Notes:

1) The laboratory did not provide the SQL for samples in which the constituent was detected. No SQLs are available for samples collected and data compiled by other consultants in 1991.

NA= Not Analyzed; the sample was not analyzed for this constituent.

N/A= Not applicable, no standard.

ND= Not Detected above the sample quantitation limit.

NG= None Given; this information was not given in reports compiled by other consultants in 1991.

SQL= Sample Quantitation Limit

3010/6010= USEPA Method 3010/6010

*= The sample depths provided for these samples were measured relative to the bottom of the leaching pool pits. The bottom of each pit is approximately six feet below grade.

Bold= Above the standard

Prepared By: PCS/EAF
Reviewed By: SWB
Revised: 3/27/2007

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL DATA:
TOTAL METALS
248 Wyandanch Avenue
Wyandanch, New York
(unit, parts per million [ppm], mg/L)

Sample Identification	Analytical Method	Chromium(III)		SQL	Chromium (VI)		SQL	Total Chromium	SQL	Copper		SQL	Nickel	SQL	Zinc		SQL
MW-1																	
5/23/1994	NG	0.029		--	0.020		--	0.049	--	0.026		--	ND	--	0.173		--
1/27/1995	NG	0.065		--	ND		--	**0.065**	--	0.084		--	0.042	--	0.25		--
11/17/1998	3010/6010	0.0075	B	--	NA		--	NS	--	0.0218	B	--	ND	0.0060	0.105	*	--
11/15/2000	NG	0.0250		0.002	ND		0.0040	0.0250	--	NA		--	NA	--	NA		--
MW-2																	
5/23/1994	NG	8.88		--	0.24		--	**9.12**	--	**3.16**		--	**4.49**	--	**0.747**		--
1/27/1995	NG	4.0		--	ND		--	**4**	--	**3.8**		--	**5.7**	--	**0.70**		--
11/18/1998	3010/6010	0.165		--	NA		--	NS	--	**0.231**		--	**10.6**	--	0.263	*	--
11/15/2000	NG	0.256		0.002	ND		0.0040	**0.2560**	--	NA		--	NA		NA		--
12/11/2002	6010/7470/7196	0.389		0.010	ND		0.010	**0.389**	--	**0.292**		0.010	**1.4**	0.010	0.048	B	0.05
12/15/2003	200.7/6010	ND		0.007	ND		0.004	ND	--	0.0197		0.00050	NA	--	0.015		0.01
4/5/2006	6010	NS		--	NS		--	0.017	0.005	0.0623		0.00500	NA	--	0.042		0.01
4/5/2006	6010	0.100	T	0.005	ND	T	0.020	0.010	0.005	NA		--	NA	--	NA		--
1/24/2007	6010B	NA		--	ND	T	0.020	ND	0.010	0.088		0.025	**0.44**	0.04	ND		0.2
MW-2 (SS)																	
11/18/1998	NG	0.201		--	NA		--	NS	--	**0.384**		--	**15.6**	--	**0.345**		--
MW-3																	
5/23/1994	NG	0.119		--	0.020		--	**0.139**	--	**0.597**		--	**1.75**	--	0.109		--
1/27/1995	NG	0.32		--	ND		--	**0.320**	--	**4.5**		--	**3.5**	--	**0.68**		--
11/17/1998	3010/6010	0.0039	B	--	NA		--	NS	--	0.13		--	**0.195**	--	0.0492	*	--
12/11/2002	6010/7470/7196	0.2030		0.010	ND		0.010	**0.203**	--	**0.30**		0.010	**1.39**	0.010	0.0956		0.05
12/16/2003	200.7/6010	ND		0.007	0.056		0.004	**0.056**	--	0.0837		0.00050	NA	--	0.071		0.01
1/24/2007	6010B	NA		--	ND	T	0.02	ND	0.01	ND		0.025	ND	0.04	ND		0.2
MW-4																	
12/11/2002	6010/7470/7196	0.0490		0.010	ND		0.010	0.049	--	0.102		0.010	**2.1**	0.010	0.0561		0.05
12/16/2003	200.7/6010	ND		0.007	0.0104		0.008	0.010	--	0.0769		0.00050	NA	--	0.151		0.01
4/6/2006	6010	NS		--	NS		--	**0.160**	0.005	0.1040		0.00500	NA	--	0.181		0.01
4/6/2006	6010	0.010	T	0.005	0.140	T	0.020	**0.150**	0.005	NA		--	NA	--	NA		--
1/24/2007	6010B	NA		--	ND	T	0.17	**0.19**	0.01	0.14		0.025	**2.2**	0.04	0.3		0.2
MW-5																	
5/23/1994	NG	0.117		--	0.020		--	**0.137**	--	**0.639**		--	**0.373**	--	**0.582**		--
1/27/1995	NG	0.1		--	ND		--	**0.1**	--	**0.73**		--	**0.23**	--	**0.48**		--
11/18/1998	3010/6010	0.0011	B	--	NA		--	NS	--	0.0095	B	--	0.0637	--	0.0239	*	--
4/6/2006	6010	NS		--	NS		--	0.009	0.005	0.1260		1/1/1904	NA	--	0.1020		0.0100
4/6/2006	6010	0.0070	T	0.005	ND	T	0.02	0.007	0.005	NA		--	NA	--	NA		--
MW-5 D																	
11/18/1998	3010/6010	0.0012	B	--	NA		--	NS	--	0.0094	B	--	0.0641	--	0.017	*	--
MW-5R																	
12/16/2003	200.7/6010	ND		0.007	ND		0.004	ND	--	0.0419		0.00050	NA	--	0.090		0.005
1/25/2007	6010B	NA		--	ND	T	0.02	ND	0.01	**1.4**		0.025	**0.14**	0.04	ND		0.2
MW-6																	
5/23/1994	NG	0.046		--	0.046		--	**0.092**	--	**1.21**		--	**3.96**	--	**0.537**		--
4/6/2006	6010	NS		--	NS		--	0.043	0.005	0.0329		0.0050	NA	--	0.053		0.010
4/6/2006	6010	0.023	T	0.005	ND	T	0.02	0.023	0.005	NA		--	NA	--	NA		--
MW-6R																	
12/16/2003	200.7/6010	ND		0.007	ND		0.004	ND	--	0.0076		0.00050	NA	--	0.106		0.005
1/24/2007	6010B	NA		--	ND	T	0.02	ND	0.01	ND		0.025	ND	0.04	ND		0.2
MW-7																	
5/23/1994	NG	ND		--	0.010		--	0.01	--	ND		--	0.025	--	0.026		--
1/27/1995	NG	ND		--	ND		--	ND	--	ND		--	ND	--	ND		--
11/17/1998	3010/6010	ND		0.001	NA		--	NS	--	0.0019	B	--	ND	0.0060	ND	*	0.017
11/15/2000	NG	0.0090		0.002	ND		0.004	0.009	--	NA		--	NA	--	NA		--
12/15/2003	200.7/6010	ND		0.007	ND		0.004	ND	--	0.0097		0.00050	NA	--	0.030		0.0050
	NYDEC Standard							0.05		0.2			0.1		2.0		

Notes:

NS= Not Sampled
SQL= Sample Quantitation Limit
NA= Not Analyzed
ND= Not detected above SQL
NG= Not Given
3010/6010= USEPA Method 3010/6010
-- = Sample quantitation limits not provided or not available.
T=Tested by EcoTest

SS= Data for NYSDEC split samples.
B= Analytical result is between the instrument detection limit and the contract required detection limit.
E= Detected concentration exceeds calibration curve range.
N= Spiked sample recovery not within control limits.
U= Analyte not detected at sample quanititation limit.
*= Duplicate analysis not within control limit.
Bold= Exceeds Standard

Prepared By: PCS/EAF
Reviewed By: SWB
Revised: 3/27/2007

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL DATA:
TOTAL METALS
248 Wyandanch Avenue
Wyandanch, New York
(unit, parts per million [ppm], mg/L)

Sample Identification	Analytical Method	Chromium(III)		SQL	Chromium (VI)		SQL	Total Chromium		SQL	Copper		SQL	Nickel		SQL	Zinc		SQL
MW-7 D																			
11/17/1998	3010/6010	0.0014	B	--	NA		--	NS		--	0.0028	B	--	ND		0.0060	ND	*	0.017
MW-8																			
5/23/1994	NG	ND		--	0.010		--	0.01		--	ND		--	0.066		--	0.023		--
MW-9																			
5/23/1994	NG	ND		--	0.01		--	0.01		--	ND		--	ND		--	0.034		--
1/27/1995	NG	ND		--	ND		--	ND		--	ND		--	ND		--	0.024		--
11/17/1998	3010/6010	ND		0.001	NA		--	NS		--	0.0014	B	--	ND		0.0060	ND	*	0.017
MW-10																			
7/6/1994	NG	0.040		--	ND		--	0.04		--	0.010		--	**0.15**		--	0.13		--
11/17/1998	3010/6010	0.0031	B	--	NA		--	NS		--	0.0044	B	--	ND		0.0060	ND	*	0.017
12/15/2003	200.7/6010	0.011		0.007	ND		0.004	0.011		--	0.0099		0.00050	NA		--	0.029		0.005
4/5/2006	6010	NS		--	NS		--	0.020		0.005	**0.4080**		0.00500	NA		--	0.134		0.010
4/5/2006	6010	0.020	T	0.005	ND	T	0.02	0.020		0.005	NA		--	NA		--	NA		--
1/24/2007	6010B	NA		--	ND	T	0.02	ND		0.01	ND		0.025	ND		0.04	ND		0.2
MW-11																			
7/6/1994	NG	0.08		--	ND		--	0.08		--	**0.22**		--	0.07		--	0.23		--
11/17/1998	3010/6010	0.018		--	NA		--	NS	#	--	0.0105	B	--	ND		0.0060	ND	*	0.017
12/15/2003	200.7/6010	0.015		0.007	ND		0.004	0.015		--	0.0071		0.00050	NA		--	0.014		0.005
4/5/2006	6010	NS		--	NS		--	**0.620**		0.005	0.0592		0.00500	NA		--	0.030		0.010
4/5/2006	6010	0.420	T	0.005	ND	T	0.02	**0.420**		0.005	NA		--	NA		--	NA		--
1/25/2007	6010B	NA		--	ND	T	0.02	0.04		0.01	ND		0.025	ND		0.04	ND		0.2
MW-12																			
5/23/1994	NG	NS		--	NS		--	NS		--	NS		--	NS		--	NS		--
7/6/1994	NG	ND		--	ND		--	ND		--	ND		--	ND		--	0.06		--
1/27/1995	NG	18		--	ND		--	**18.00**		--	**21**		--	**21**		--	**5.60**		--
11/17/1998	3010/6010	0.0288		--	NA		--	NS		--	**5.31**		--	**7.07**		--	**0.859**	*	--
12/15/2003	200.7/6010	0.007		0.007	ND		0.004	0.007		--	**0.530**		0.00050	NA		--	0.289		0.005
4/5/2006	6010	NS		--	NS		--	0.047		0.005	0.0224		0.00500	NA		--	0.059		0.010
4/5/2006	6010	0.040	T	0.005	ND	T	0.02	0.040		0.005	NA		--	NA		--	NA		--
1/25/2007	6010B	NA		--	ND	T	0.02	ND		0.01	**0.44**		0.025	**0.29**		0.04	ND		0.2
MW-15																			
4/5/1999	3010/6010	0.026		--	NA		--	NS		--	0.034		--	0.020	B	--	0.099	*	--
MW-16																			
12/15/2003	200.7/6010	ND		0.007	ND		0.004	ND		--	0.010		0.00050	NA		--	0.017		0.005
4/6/2006	6010	NS		--	NS		--	ND		0.005	ND		0.00500	NA		--	0.012		0.010
4/6/2006	6010	ND	T	0.005	ND	T	0.020	ND		0.005	NA		--	NA		--	NA		--
MW-17																			
4/6/1999	3010/6010	0.054		--	NA		--	NS		--	0.041		--	0.026	B	--	0.055	*	--
12/15/2003	200.7/6010	ND		0.004	NA		--	NS		--	0.0015		0.00050	NA		--	0.011		0.005
MW-17 Dup																			
4/6/1999	3010/6010	0.055		--	NA		--	NS		--	0.041		--	0.027	B	--	0.079	*	--
MW-20																			
4/6/1999	3010/6010	0.016		--	NA		--	NS		--	0.045		--	0.013	B	--	0.050	*	--
MW-25																			
11/18/1998	3010/6010	2.74		--	NA		--	NS		--	**0.483**		--	**0.212**		--	0.144	*	--
12/15/2003	200.7/601	0.009		0.007	0.064		0.004	**0.073**		--	0.0132		0.00050	NA		--	0.042		0.005
4/6/2006	200.7/601	NS		--	NS		--	**0.192**		0.005	0.0465		0.00500	NA		--	0.069		0.010
4/6/2006	6010	0.100	T	0.005	0.070	T	0.020	**0.170**		0.005	NA		--	NA		--	NA		--
MW-25 (SS)																			
11/18/1998	NG	0.358		--	NA		--	NS		--	0.0701		--	**0.134**		--	0.0738		--
MW-26																			
11/17/1998	3010/6010	0.0080	B	--	NA		--	NS		--	0.156		--	0.0064	B	--	0.0576	*	--
4/6/2006	3010/6010	NS		--	NS		--	0.018		0.005	0.040		1/1/1904	NA		--	0.0740		0.010
4/6/2006	6010	0.0170	T	0.005	ND	T	0.02	0.017		0.005	NA		--	NA		--	NA		--
	NYDEC Standard							0.05			0.2			0.1			2.0		

Notes:
NS= Not Sampled
SQL= Sample Quantitation Limit
NA= Not Analyzed
ND= Not detected above SQL
NG= Not Given
3010/6010= USEPA Method 3010/6010
-- = Sample quantitation limits not provided or not available.
T=Tested by EcoTest
SS= Data for NYSDEC split samples.
B= Analytical result is between the instrument detection limit and the contract required detection limit.
E= Detected concentration exceeds calibration curve range.
N= Spiked sample recovery not within control limits.
U= Analyte not detected at sample quanititation limit.
*= Duplicate analysis not within control limit.
Bold= Exceeds Standard

Prepared By: PCS/EAF
Reviewed By: SWB
Revised: 3/27/2007

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL DATA:
TOTAL METALS
248 Wyandanch Avenue
Wyandanch, New York
(unit, parts per million [ppm], mg/L)

Sample Identification	Analytical Method	Chromium(III)	SQL	Chromium (VI)	SQL	Total Chromium	SQL	Copper	SQL	Nickel	SQL	Zinc	SQL
MW-26R													
12/15/2003	200.7/601	ND	0.007	ND	0.004	ND	--	0.0018	0.00050	NA	--	0.019	0.005
1/24/2007	6010B	NA	--	ND T	0.02	ND	0.01	ND	0.025	ND	0.04	ND	0.2
TCE-1													
1/29/1998	3010/6010	17.6	--	NA	--	NS	--	**10.6**	--	**1.7** E	--	**2.3** E	--
TCE-1 (SS)													
11/18/1998	NG	7.49	--	NA	--	NS	--	**10.9**	--	**0.726**	--	**1.41**	--
PA-1													
1/23/1998	3010/6010	55.7	--	NA	--	NS	--	**15**	--	**2.41**	--	**1.13** E	--
PA-2													
1/23/1998	3010/6010	41	--	NA	--	NS	--	**5.91**	--	**14.8**	--	**3.18** E	--
PA-3													
1/23/1998	3010/6010	3.59	--	NA	--	NS	--	**0.687**	--	**40.4**	--	**1.1** E	--
R4-6													
4/6/1999	3010/6010	0.0391	--	NA	--	NS	--	0.0178 B	--	0.013 B	--	0.130	--
Field Blank													
11/17/1998	3010/6010	ND	0.001	NA	--	NS	--	0.0085 B	--	ND	0.0060	ND *	0.017
GEC-1													
12/15/2003	200.7/6010	ND	0.007	ND	0.004	ND	--	0.0012	0.00050	NA	--	0.015	0.005
4/6/2006	200.7/6010					ND	0.005	ND	0.00500	NA	--	0.010	0.010
4/6/2006	6010	ND T	0.005	ND T	0.020	ND	0.005	NA	--	NA	--	NA	--
GEC-2													
12/15/2003	200.7/6010	ND	0.007	ND	0.004	ND	--	0.0006	0.0005	NA	--	0.010	0.005
4/5/2006	6010	ND T	0.005	ND T	0.020	ND	0.005	NA	--	NA	--	NA	--
4/6/2006	200.7/6010	NS	--	NS	--	ND	0.005	ND	0.0050	NA	--	0.012	0.010
GEC-3													
12/15/2003	200.7/6010	ND	0.007	ND	0.004	ND	--	0.0010	0.0005	NA	--	0.023	0.005
GEC-4													
12/15/2003	200.7/6010	ND	0.007	ND	0.004	ND	--	0.0038	0.0005	NA	--	0.016	0.005
4/5/2006	200.7/6010	NS	--	NS	--	**0.135**	0.005	0.0465	0.0050	NA	--	0.038	0.010
4/5/2006	6010	0.040 T	0.005	ND T	0.020	0.040	0.005	NA	--	NA	--	NA	--
	NYDEC Standard					0.05		0.2		0.1		2.0	

Notes:
NS= Not Sampled
SQL= Sample Quantitation Limit
NA= Not Analyzed
ND= Not detected above SQL
NG= Not Given
3010/6010= USEPA Method 3010/6010
- - = Sample quantitation limits not provided or not available.
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N= Spiked sample recovery not within control limits.
U= Analyte not detected at sample quanititation limit.
*= Duplicate analysis not within control limit.
Bold= Exceeds Standard

Prepared By: PCS/EAF
Reviewed By: SWB
Revised: 3/27/2007

ATTACHMENT 1

Risk Assessment Update

Updated Risk Assessment
Former Jameco Facility
Leaching Pools or Pits

The risk assessment provided in the Remedial Investigation / Feasibility Study (RI/FS) report for the former Jameco facility was revised, Area of Concern #3 (AOC#3) and the off-Site residential property exposure point. For AOC#3, an assumption was made that the most contaminated soils will be excavated from the leaching pool (leaching chamber) / pits exposure point, and the remaining soils will be stabilized to minimize leaching. A more conservative risk assessment was conducted for the residential property using the maximum concentration detected of four key metals. A separate risk assessment was conducted for drinking water exposure, presuming groundwater is a future source of drinking water, by a resident.

Soils of AOC#3 and Residential Exposure Points

Additional soil samples were collected from these two areas and analyzed for antimony, arsenic, barium, cadmium, chromium, copper, lead, nickel and zinc. No antimony was detected. For the remaining metals, the new and historic data are presented in Table 1. For the leaching pool / pit exposure point, the soils presumed excavated and those presumed remaining (residual) are defined by the new and historic soil data, as documented in Table 2. The residual soil data was defined for the 0-20 foot interval and for the depth interval below 20 feet. Of these eight metals, chromium, copper, nickel and zinc were determined to be present above published background conditions for the 0-20 foot interval; and copper and nickel were determined to be above background for depth intervals below 20 feet. The exposure point concentration for these metals at this exposure point was conservatively re-calculated as the 95% upper confidence limit, as documented in Table 2.

For the off-Site residential property exposure point, of the eight metals analyzed, chromium, copper, nickel and lead were detected at a level above published background concentrations. The exposure point concentrations for these four metals at this exposure point were conservatively calculated as the maximum concentrations detected, as documented in Table 2.

For all other contaminants of concern, the exposure point concentrations for these two exposure points remain unchanged from the Remedial Investigation and Feasibility Study. Tables 3.1, 3.3, 3.5 and 3.7 provide summaries of the exposure point concentrations used in this updated risk assessment.

An assumption was made that dusts could be generated from the soils. The formula and calculation of exposure point concentrations for dusts are provided in Tables 3.2, 3.4, 3.6 and 3.8.

Garden produce is presumed grown at the off-Site residential property exposure point. The formula and calculation of exposure point concentrations for garden produce are documented in Table 5.6.

No changes are made to the indoor air exposure point concentrations; therefore, no summary tables for indoor air are included here. The indoor air risk estimates used to calculate total cumulative risk estimates were obtained from the Remedial Investigation / Feasibility Report.

The following receptors were identified for the leaching pool / pit exposure point:

(1) On-Site Indoor Worker
(2) On-Site Outdoor Worker
(3) Visitor / Trespasser
(4) Construction / Utility Worker*

* Separate risk estimates were not calculated for the construction / utility worker because the on-site outdoor worker is assumed to experience enhanced incidental ingestion of soil and dermal exposure to soils and inhalation of dust experienced during a soil excavation project.

For the off-Site residential property exposure point, the following receptor was identified:

(1) Resident

For each receptor, both chronic and subchronic exposure was presumed to occur. Exposure assumptions for each receptor, exposure duration and exposure point are provided in Tables 4.1 to 4.10. For subchronic exposure at the leaching pool / pit exposure point, an assumption is made that exposure to soils and dust could only occur during a 6-month soil excavation project; otherwise, the soils remain covered with some sort of permanent barrier or cap.

For these exposure points, most or all of the contaminants of concern are not carcinogens. Within the RI/FS very little carcinogenic risk was calculated for these exposure points and receptor combinations. The new soil will not significantly affect the existing cancer risk estimates. Therefore, the carcinogenic risk assessments were not revised for these exposure points. No dose response values are provided herein, because they remain unchanged from the RI/FS report.

Threshold adverse effect risk estimates, also known as Hazard Indices or Hazard Quotients, were calculated as documented in Tables 5.1 to 5.8. For each receptor and exposure duration, the total cumulative threshold effects risk estimate is summarized in Tables 6.1 to 6.4. For the leaching pool / pit exposure point following the presumed excavation of the most contaminated soils, the total cumulative threshold effects risk estimates for the residual soil contamination and each receptor does not exceed the USEPA's threshold effects risk limit of 1.0, as documented in Table 7. This finding exists regardless of whether the exposure duration is suibchronic (soils are covered by a permanent barrier except during an excavation project) or chronic (soils are not covered with a permanent barrier). For the resident of the off-Site residential property exposure

point, the total cumulative chronic and subchronic threshold effects risk estimates do not exceed the USEPA's threshold effects risk estimate.

Groundwater of AOC#3

Two monitoring wells (designated MW-3 and MW-4) located within AOE#3 historically had levels of chromium, copper and nickel in groundwater that exceeded their TOGS 1.1.1 standards for GA groundwater. Zinc has not exceeded its GA guidance value for these two monitoring wells.

Monitoring well MW-3 underwent chemical injection to stabilize the soil contamination. In January 2007, a groundwater sample collected from MW-3 had no detectable levels of metals. The sample quantitation limit (SQL) for a given metal was below its applicable TOGS 1.1.1 standard or guidance value. Based on the limited groundwater data, groundwater conditions at MW-3 do not exceed an Applicable Relevant or Appropriate Regulation (ARAR), and chemical injection appears effective in reducing groundwater contaminant levels to below ARARs.

For MW-4, during the period 2002 to 2007, groundwater samples were collected four times and analyzed for these four metals. Levels of copper and zinc in groundwater of MW-4 have never exceeded their applicable TOGS 1.1.1 GA standard and guidance value, respectively. Chromium and nickel are present in groundwater of MW-4, including the 2007 sampling round, at levels above their applicable TOGS 1.1.1 GA standards. Chromium is present at a level less than 4-fold above its GW standard. Nickel is present at a level approximately 20-fold above its GW standard. However, the levels of these four metals detected in MW-4 have historically been less than or comparable to those levels detected in MW-3. Therefore, chemical injection is likely to be effective at stabilizing soils and reducing contaminant levels to below ARARs.

Because nickel and chromium levels in MW-4 exceeded its GW standards, intended to be protective of a potential drinking water source, a human risk assessment was conducted for exposure to drinking water by a future resident. The levels of chromium, copper, nickel and zinc detected in MW-4 were used as the exposure point concentrations. Copper, nickel and zinc are not carcinogens. The exposure point concentrations are documented in Table 3.9. Based on groundwater analytical data, the chromium present in groundwater is mostly attributable to chromium VI, which is not a known carcinogen by the oral route. Based on the foregoing, only threshold adverse effects were evaluated.

The receptor was assumed to be a 15.6 kg child, aged 1-6 years, who consumes 1 liter of water per day and who bathes 15 minutes per day resulting in whole body dermal contact. The exposure occurs 365 days per year for 5 years. The Average Daily Dose calculations and exposure assumptions are provided in Table 4.11. The dose response values are unchanged from the original RI/FS risk assessment.

Threshold adverse effect risk estimates, also known as Hazard Indices or Hazard Quotients, were calculated as documented in Table 5.9. The total cumulative threshold effects risk estimate is summarized in Table 6.5. For the resident, the total cumulative chronic risk estimate of 0.11 does not exceed the USEPA's threshold effects risk limit of 1.0. These results indicate that although current chromium and nickel levels may exceed GW standards, there is no significant threat to human health from ingestion and dermal contact to metals in drinking water of AOC#3.

The findings of the risk assessments, documented above, are summarized and interpreted within the correspondence to which this risk assessment is attached.

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Table 1
Summary of Soil Analytical Data: Metals
Former Jameco Facility
NY
(unit, parts per million [ppm], mg/kg)

Sample Identification	Sample Grid	Sample Depth (ft)	Sample Date	Arsenic	RDL	Barium	RDL	Cadmium	RDL	Chromium	RDL	Copper	RDL	Lead	RDL	Nickel	RDL	Zinc	RDL
AOC #3																			
MW-3	S-2	4-6	11/1991	4.50	--	3.09	--	NA	--	2.99	--	6.15	--	ND	--	5.83	--	5.03	--
	S-2	9-11	11/1991	6.75	--	6.38	--	NA	--	8.13	--	14.3	--	ND	--	18.3	--	7.53	--
	S-2	14-16	11/1991	8.75	--	5.92	--	NA	--	19.6	--	40.0	--	ND	--	13.4	--	12.1	--
	S-2	19-21	11/1991	7.70	--	6.45	--	NA	--	27.2	--	65.4	--	ND	--	40.6	--	15.5	--
MW-4	E-6	4-6	11/1991	2.70	--	5.72	--	NA	--	9.43	--	3.25	--	ND	--	28.7	--	16.6	--
	E-6	9-11	11/1991	1.88	--	6.49	--	NA	--	57.1	--	83.1	--	ND	--	33.7	--	11.9	--
	E-6	14-16	11/1991	1.30	--	9.77	--	NA	--	68.2	--	89.7	--	ND	--	37.9	--	11.5	--
	E-6	19-21	11/1991	0.67	--	5.90	--	NA	--	43.7	--	90.6	--	ND	--	42.5	--	12.0	--
LP-1	NG	NG	11/1991	NA	--	287	--	NA	--	474	--	182	--	NA	--	326	--	104	--
LP-2	NG	NG	11/1991	NA	--	330	--	NA	--	800	--	496	--	NA	--	754	--	317	--
LP-3	NG	NG	11/1991	NA	--	373	--	NA	--	1,340	--	299	--	NA	--	1,095	--	468	--
LP-4	NG	NG	11/1991	NA	--	765	--	NA	--	1,100	--	280	--	NA	--	938	--	236	--
LP-1	NE-14	6-8	11/18/1998	ND	0.42	NA	--	ND	0.14	602	--	98.3	--	17.1	--	777	--	155	--
LP-1**	NE-14	6-8	11/18/1998	5.00	--	307	--	ND	0.049	17,500	--	1,900	--	296	--	13,300	--	3440	--
LP-2	NW-13	6-8	11/18/1998	3.4	--	NA	--	0.71	--	23,700	--	4,400	--	328	--	8,420	--	2,120	--
LP-2**	NW-13	6-8	11/18/1998	9.40	--	561	--	ND	0.072	31,700	--	4,760	--	684	--	20,600	--	6,800	--
LP-3	E-5	6-8	11/18/1998	ND	0.47	NA	--	ND	0.16	905	--	197	--	16	--	1,220	--	226	--
LP-4	SW-4	6-8	11/18/1998	ND	0.63	NA	--	0.45	--	580	--	106	--	12.7	--	752	--	164	--
LP-4 Duplicate	SW-4	6-8	11/18/1998	ND	0.63	NA	--	0.40	--	693	--	119	--	15.4	--	904	--	203	--
B-32	NO-11	0-2	11/18/1998	2.10	--	NA	--	ND	0.18	961	--	955	--	102	--	516	--	190	--
B-32	NO-11	5-7	11/18/1998	ND	0.42	NA	--	ND	0.14	3.40	--	1.60	--	1.40	--	2.20	--	28.9	--
B-33	S-2	0-2	11/18/1998	ND	0.44	NA	--	ND	0.15	85.1	--	51.6	--	11.4	--	32.3	--	18.9	--
B-33	S-2	5-7	11/18/1998	ND	0.33	NA	--	ND	0.11	2.00	--	1.20	--	0.93	--	1.90	--	7.00	--
B-34	W-9	0-2	11/18/1998	ND	0.48	NA	--	ND	0.16	182	--	262	--	36.8	--	440	--	89.9	--
B-34	W-9	5-7	11/18/1998	ND	0.54	NA	--	ND	0.18	3.70	--	1.90	--	1.60	--	2.40	--	24.9	--
SE-1	SE-1	NA	9/19/06	ND	1	40.8	0.5	ND	0.5	25.3	0.5	14.8	0.5	3	0.5	14.4	0.5	7.82	0.5
E-5	E-5	NA	9/19/06	ND	1	146	0.5	ND	0.5	248	5	90.9	0.5	9.34	0.5	81.4	0.5	25.5	0.5
S-2	S-2	NA	9/19/06	1.58	1	32.9	0.5	ND	0.5	25.6	0.5	12.7	0.5	3.32	0.5	15.3	0.5	11.9	0.5
E-6	E-6	NA	9/19/06	1.18	1	30	0.5	ND	0.5	114	0.5	59.6	0.5	12.1	0.5	130	5	41.2	0.5
E-10	E-10	NA	9/19/06	ND	1	282	0.5	ND	0.5	578	5	122	0.5	28.6	0.5	261	5	61.8	0.5
NE-14	NE-14	NA	9/20/06	ND	1	25.6	0.5	ND	0.5	121	0.5	100	0.5	13.8	0.5	111	0.5	60.6	0.5
NO-7	NO-7	NA	9/20/06	1.4	1	25.7	0.5	ND	0.5	34.9	0.5	35.6	0.5	12.2	0.5	38.2	0.5	22	0.5
NO-11	NO-11	NA	9/20/06	1.9	1	12.1	0.5	ND	0.5	80	0.5	64.8	0.5	15.6	0.5	62.1	0.5	26.4	0.5
N-15	N-15	NA	9/20/06	ND	1	70.8	0.5	ND	0.5	680	5	242	5	27.9	0.5	498	5	136	0.5
NO-12	NO-12	NA	9/20/06	ND	1	15.1	0.5	ND	0.5	54.3	0.5	67.5	0.5	13.4	0.5	63.5	0.5	23.8	0.5
NO-8	NO-8	NA	9/20/06	ND	1	17.1	0.5	ND	0.5	98	0.5	113	0.5	8.5	0.5	64.4	0.5	23.1	0.5
S-3	S-3	NA	9/21/06	ND	1	25.3	0.5	ND	0.5	66.4	0.5	35.9	0.5	6.5	0.5	84.7	0.5	26.9	0.5
SW-4	SW-4	NA	9/21/06	ND	1	10.8	0.5	ND	0.5	57.4	0.5	25.5	0.5	6.08	0.5	27.2	0.5	8.78	0.5
W-9	W-9	NA	9/21/06	ND	1	130	0.5	ND	0.5	352	5	198	5	31.9	0.5	140	0.5	42.7	0.5
NW-13	NW-13	NA	9/21/06	ND	1	38.5	0.5	ND	0.5	85.3	0.5	34.1	0.5	5.73	0.5	37.2	0.5	12.1	0.5
50 Oswego St.	S-1 Back	0.3	1/24/2007	4.0	3.5	35	23	ND	0.58	140	12	75	23	32	12	41	12	120	58
50 Oswego St.	S-2 Side	0.3	1/24/2007	ND	3	ND	22	ND	0.56	29	11	23	22	18	11.0	13	11	69	56
(Avearge New Conc.)				0.77		60		NA		175		81		13		109		35	
	Remediate									7,218		1,167				4,462		1,294	
	Residual									141		99				98		34	
LEACHATE SUMP	Remediate	10/26/06	10/26/2006	ND	100	1,410	0.5	16.6	5	75,700	50	12,400	50	1,650	5.0	72,300	50.0	27,100	5.0
	USGS Background									40-60		15-25				15-25		60-80	
	Eastern USA Background			4.8		290				33		13		14		11		40	
	NYS Background			3-12		15-600		0.1-1		1.5-40		1-50		4-61		0.5-25		0.5-25	
NYSDEC	Soil Cleanup Objective			7.5 or SB		300 or SB		1 or SB		10 or SB		25 or SB		SB 4-61		13 or SB		13 or SB	
	Required Detection Limits			0.1		2.0		0.05		0.1		0.25		0.03		0.4		0.4	

Notes:
RDL = Reported Detection Limit
ND = Not Detected above RDL
LP= Leaching Pit Samples
MW/B= Soil boring samples

Bold= Bold results exceed standards.
Grid Samples= Composite samples from each grid location
50 Oswego St. = Property abutting AOC #3

Red= Exceed USGS Background Range
NG= Not Given
NA= Not Applicable
SB= Site Background

Prepared by: BTB
Reviewed by: NI
Revised: 12 18 2006

Table 2
Calculation of Soil Exposure Point Concentrations: Metals
Former Jameco Facility
NY
(unit, parts per million [ppm], mg/kg)

Sample Identification	Sample Grid	Sample Depth (ft)	Sample Date	Arsenic	RDL	Barium	RDL	Cadmium	RDL	Chromium	RDL	Copper	RDL	Lead	RDL	Nickel	RDL	Zinc	RDL
AOC #3: Proposed Excavation Area - Leaching Pits																			
MW-3	S-2	4-6	11/1991	4.50	--	3.09	--	NA	--	2.99	--	6.15	--	ND	--	5.83	--	5.03	--
	S-2	9-11	11/1991	6.75	--	6.38	--	NA	--	8.13	--	14.3	--	ND	--	18.3	--	7.53	--
MW-4	E-6	4-6	11/1991	2.70	--	5.72	--	NA	--	9.43	--	3.25	--	ND	--	28.7	--	16.6	--
	E-6	9-11	11/1991	1.88	--	6.49	--	NA	--	57.1	--	83.1	--	ND	--	33.7	--	11.9	--
LP-1	NG	NG	11/1991	NA	--	287	--	NA	--	474	--	182	--	NA	--	326	--	104	--
LP-2	NG	NG	11/1991	NA	--	330	--	NA	--	800	--	496	--	NA	--	754	--	317	--
LP-3	NG	NG	11/1991	NA	--	373	--	NA	--	1,340	--	299	--	NA	--	1,095	--	468	--
LP-4	NG	NG	11/1991	NA	--	765	--	NA	--	1,100	--	280	--	NA	--	938	--	236	--
LP-1	NE-14	6-8	11/18/1998	ND	0.42	NA	--	ND	0.14	602	--	98.3	--	17.1	--	777	--	155	--
LP-1**	NE-14	6-8	11/18/1998	5.00	--	307	--	ND	0.049	17,500	--	1,900	--	296	--	13,300	--	3440	--
LP-2		6-8	11/18/1998	3.4	--	NA	--	0.71	--	23,700	--	4,400	--	328	--	8,420	--	2,120	--
LP-2**	NW-13	6-8	11/18/1998	9.40	--	561	--	ND	0.072	31,700	--	4,760	--	684	--	20,600	--	6,800	--
LP-3	E-5	6-8	11/18/1998	ND	0.47	NA	--	ND	0.16	905	--	197	--	16	--	1,220	--	226	--
LP-4	SW-4	6-8	11/18/1998	ND	0.63	NA	--	0.45	--	580	--	106	--	12.7	--	752	--	164	--
LP-4 Duplicate	SW-4	6-8	11/18/1998	ND	0.63	NA	--	0.40	--	693	--	119	--	15.4	--	904	--	203	--
B-32	NO-11		11/18/1998	2.10	--	NA	--	ND	0.18	961	--	955	--	102	--	516	--	190	--
B-32	NO-11	5-7	11/18/1998	ND	0.42	NA	--	ND	0.14	3.40	--	1.60	--	1.40	--	2.20	--	28.9	--
B-33	S-2	0-2	11/18/1998	ND	0.44	NA	--	ND	0.15	85.1	--	51.6	--	11.4	--	32.3	--	18.9	--
B-33	S-2	5-7	11/18/1998	ND	0.33	NA	--	ND	0.11	2.00	--	1.20	--	0.93	--	1.90	--	7.00	--
LEACHATE SUMP	Remediate	10/26/06	10/26/2006	ND	100	1,410	0.5	16.6	5	75,700	50	12,400	50	1,650	5.0	72,300	50.0	27,100	5.0
Mean Concentration of Detected Samples				4.47		369		4.54		7,811		1,318		261		6,101		2,081	
AOC #3: Proposed Residual / Injection Area																			
MW-3	S-2	14-16	11/1991	8.75	--	5.92	--	NA	--	19.6	--	40.0	--	ND	--	13.4	--	12.1	--
	S-2	19-21	11/1991	7.70	--	6.45	--	NA	--	27.2	--	65.4	--	ND	--	40.6	--	15.5	--
MW-4	E-6	14-16	11/1991	1.30	--	9.77	--	NA	--	68.2	--	89.7	--	ND	--	37.9	--	11.5	--
	E-6	19-21	11/1991	0.67	--	5.90	--	NA	--	43.7	--	90.6	--	ND	--	42.5	--	12.0	--
B-34	W-9	0-2	11/18/1998	0.24	0.48	NA	--	ND	0.16	182	--	262	--	36.8	--	440	--	89.9	--
B-34	W-9	5-7	11/18/1998	0.27	0.54	NA	--	ND	0.18	3.70	--	1.90	--	1.60	--	2.40	--	24.9	--
LP-1A		15-17	6/23/1999	2.40	--	NA		0.21	--	140	--	119	--	5.20	--	100	--	25.1	--
LP-2A		15-17	6/23/1999	0.68	--	NA		ND	0.13	47.2	--	48.6	--	3.60	--	27.6	--	11.1	--
LP-5A		15-17	6/23/1999	ND	0.69	NA		0.31	--	125	--	68.7	--	7.70	--	69.3	--	21.1	--
SE-1	SE-1	NA	9/19/06	0.5	1	40.8	0.5	ND	0.5	25.3	0.5	14.8	0.5	3	0.5	14.4	0.5	7.82	0.5
E-5	E-5	NA	9/19/06	0.5	1	146	0.5	ND	0.5	248	5	90.9	0.5	9.34	0.5	81.4	0.5	25.5	0.5
S-2	S-2	NA	9/19/06	1.58	1	32.9	0.5	ND	0.5	25.6	0.5	12.7	0.5	3.32	0.5	15.3	0.5	11.9	0.5
E-6	E-6	NA	9/19/06	1.18	1	30	0.5	ND	0.5	114	0.5	59.6	0.5	12.1	0.5	130	5	41.2	0.5
E-10	E-10	NA	9/19/06	0.5	1	282	0.5	ND	0.5	578	5	122	0.5	28.6	0.5	261	5	61.8	0.5
NE-14	NE-14	NA	9/20/06	0.5	1	25.6	0.5	ND	0.5	121	0.5	100	0.5	13.8	0.5	111	0.5	60.6	0.5
NO-7	NO-7	NA	9/20/06	1.4	1	25.7	0.5	ND	0.5	34.9	0.5	35.6	0.5	12.2	0.5	38.2	0.5	22	0.5
NO-11	NO-11	NA	9/20/06	1.9	1	12.1	0.5	ND	0.5	80	0.5	64.8	0.5	15.6	0.5	62.1	0.5	26.4	0.5
N-15	N-15	NA	9/20/06	0.5	1	70.8	0.5	ND	0.5	680	5	242	5	27.9	0.5	498	5	136	0.5
NO-12	NO-12	NA	9/20/06	0.5	1	15.1	0.5	ND	0.5	54.3	0.5	67.5	0.5	13.4	0.5	63.5	0.5	23.8	0.5
NO-8	NO-8	NA	9/20/06	0.5	1	17.1	0.5	ND	0.5	98	0.5	113	0.5	8.5	0.5	64.4	0.5	23.1	0.5
S-3	S-3	NA	9/21/06	0.5	1	25.3	0.5	ND	0.5	66.4	0.5	35.9	0.5	6.5	0.5	84.7	0.5	26.9	0.5
SW-4	SW-4	NA	9/21/06	0.5	1	10.8	0.5	ND	0.5	57.4	0.5	25.5	0.5	6.08	0.5	27.2	0.5	8.78	0.5
W-9	W-9	NA	9/21/06	0.5	1	130	0.5	ND	0.5	352	5	198	5	31.9	0.5	140	0.5	42.7	0.5
NW-13	NW-13	NA	9/21/06	0.5	1	38.5	0.5	ND	0.5	85.3	0.5	34.1	0.5	5.73	0.5	37.2	0.5	12.1	0.5
Exposure Point Concentration of Residual Soils[1]																			
Maximum Concentration				8.75		282		ND		680		262		37		498		136	
Does Maximum Concentration Exceed Background?				YES		NO		NO		YES		YES		NO		YES		YES	
Contaminant of Concern?				NO[2]		NO		NO		YES		YES		NO		YES		YES	
Mean Concentration										137		83				100		31	
Number Analyzed										24		24				24		24	
Standard Deviation of Population										168		66				124		29	
95% Confidence Interval										67		27				50		12	
95% Confidence Limit										204		110				150		43	

Prepared by: BTB / EAF
Reviewed by: NI
Revised: 3 12 2007

Table 2
Calculation of Soil Exposure Point Concentrations: Metals
Former Jameco Facility
NY
(unit, parts per million [ppm], mg/kg)

Sample Identification	Sample Grid	Sample Depth (ft)	Sample Date	Arsenic	RDL	Barium	RDL	Cadmium	RDL	Chromium	RDL	Copper	RDL	Lead	RDL	Nickel	RDL	Zinc	RDL
LP-1B		20-22	6/23/1999	4.80	--	NA		ND	0.20	41.5	--	59.1	--	1.80	--	34.5	--	16.0	--
LP-1C		25-27	6/23/1999	ND	0.45	NA		0.18	--	14.4	--	37.4	--	1.60	--	34.8	--	11.8	--
LP-2B		20-22	6/23/1999	0.72	--	NA		0.17	--	19.1	--	28.2	--	2.10	--	16.8	--	8.40	--
LP-2C		25-27	6/23/1999	0.18	--	NA		0.40	--	10.1	--	53.5	--	2.60	--	21.1	--	18.9	--
LP-5B		20-22	6/23/1999	0.95	--	NA		ND	0.21	53.7	--	71.8	--	3.30	--	46.7	--	19.2	--
LP-5C		25-27	6/23/1999	ND	0.65	NA		ND	0.22	9.40	--	29.8	--	1.60	--	17.4	--	20.7	--
Exposure Point Concentration of Deeper Residual Soils[1]																			
			Maximum Concentration	4.80				0.40		53.7		71.8		3.30		46.7		20.7	
			Does Maximum Concentration Exceed Background?	NO				NO		NO		YES		NO		YES		NO	
			Contaminant of Concern?	NO				NO		NO		YES		NO		YES		NO	
			Mean Concentration									47				29			
			Number Analyzed									6				6			
			Standard Deviation of Population									16				11			
			95% Confidence Interval									13				9			
			95% Confidence Limit									59				37			
Abutting Residential Property																			
50 Oswego St.	S-1 Back	0.3	1/24/2007	4.0	3.5	35	23	ND	0.58	140	12	75	23	32	12	41	12	120	58
50 Oswego St.	S-2 Side	0.3	1/24/2007	ND	3	ND	22	ND	0.56	29	11	23	22	18	11.0	13	11	69	56
HB-1		0-3	11/19/1998	3.00	--	NA		1.00	--	49.4	--	44.1	--	49.6	--	28.5	--	164	--
HB-1		2	11/19/1998	2.10	--	NA		0.53	--	7.80	--	9.80	--	5.60	--	6.10	--	23.3	--
HB-2		0-3	11/19/1998	2.10	--	NA		0.73	--	15.0	--	30.0	--	31.4	--	10.2	--	49.5	--
HB-2		2	11/19/1998	1.80	--	NA		0.80	--	17.6	--	25.6	--	32.9	--	13.2	--	62.4	--
HB-3		2	11/19/1998	0.90	--	NA		0.54	--	4.10	--	3.70	--	2.50	--	2.70	--	8.90	--
HB-4		2	11/19/1998	0.82	--	NA		0.56	--	4.00	--	3.00	--	5.20	--	3.10	--	17.4	--
HB-5		2	11/19/1998	0.33	0.66	NA		0.69	--	19.8	--	38.9	--	21.9	--	12.8	--	87.4	--
HB-6		2	11/19/1998	1.50	--	NA		0.68	--	31.8	--	31.0	--	14.2	--	20.0	--	45.2	--
HB-7		2	11/19/1998	3.50	--	NA		0.63	--	34.4	--	32.4	--	30.2	--	24.8	--	81.6	--
Tea Garden		2	11/19/1998	1.70	--	NA		0.80	--	24.0	--	42.3	--	20.4	--	20.8	--	53.2	--
Exposure Point Concentration of Residual Soils																			
			Maximum Concentration	4.0		35		NO		140		75		50		41		164	
			Does Maximum Concentration Exceed Background?	NO		NO		NO		YES		YES		NO		YES		YES	
			Contaminant of Concern?	NO		NO		NO		YES		YES		NO		YES		YES	
			Mean Concentration							31		30				16		65	
			Number Analyzed							12		12				12		12	
			Standard Deviation of Population							35		19				11		42	
			95% Confidence Interval							20		11				6		24	
			95% Confidence Limit							51		41				22		89	
		USGS Background								40-60		15-25				15-25		60-80	
		Eastern USA Background		4.8		290				33		13		14		11		40	
		NYS Background		3-12		15-600		0.1-1		1.5-40		1-50		4-61		0.5-25		0.5-25	
NYSDEC		Soil Cleanup Objective		7.5 or SB		300 or SB		1 or SB		10 or SB		25 or SB		SB 4-61		13 or SB		13 or SB	
		Required Detection Limits		0.1		2.0		0.05		0.1		0.25		0.03		0.4		0.4	

Notes:
RDL = Reported Detection Limit
ND = Not Detected above RDL
LP= Leaching Pit Samples
MW/B= Soil boring samples
Bold= Bold results exceed standards.
Grid Samples= Composite samples from each grid location
50 Oswego St. = Property abutting AOC #3
Red= Exceed USGS Background Range
NG= Not Given
NA= Not Applicable
SB= Site Background
1 If ND, assume actual value is equal to one-half RDL.
2 20 out of 20 samples collected 1998-2006 did not exceed background and are less than soil cleanup objective..

Prepared by: BTB EAF
Reviewed by: NI
Revised: 3/12/2007

Table 2
Calculation of Soil Exposure Point Concentrations: Metals
Former Jameco Facility
NY
(unit, parts per million [ppm], mg/kg)

Sample Identification	Sample Grid	Sample Depth (ft)	Sample Date	Arsenic	RDL	Barium	RDL	Cadmium	RDL	Chromium	RDL	Copper	RDL	Lead	RDL	Nickel	RDL	Zinc	RDL
AOC #3: Proposed Excavation Area - Leaching Pits																			
MW-3	S-2	4-6	11/1991	4.50	--	3.09	--	NA	--	2.99	--	6.15	--	ND	--	5.83	--	5.03	--
	S-2	9-11	11/1991	6.75	--	6.38	--	NA	--	8.13	--	14.3	--	ND	--	18.3	--	7.53	--
MW-4	E-6	4-6	11/1991	2.70	--	5.72	--	NA	--	9.43	--	3.25	--	ND	--	28.7	--	16.6	--
	E-6	9-11	11/1991	1.88	--	6.49	--	NA	--	57.1	--	83.1	--	ND	--	33.7	--	11.9	--
LP-1	NG	NG	11/1991	NA	--	287	--	NA	--	474	--	182	--	NA	--	326	--	104	--
LP-2	NG	NG	11/1991	NA	--	330	--	NA	--	800	--	496	--	NA	--	754	--	317	--
LP-3	NG	NG	11/1991	NA	--	373	--	NA	--	1,340	--	299	--	NA	--	1,095	--	468	--
LP-4	NG	NG	11/1991	NA	--	765	--	NA	--	1,100	--	280	--	NA	--	938	--	236	--
LP-1	NE-14	6-8	11/18/1998	ND	0.42	NA	--	ND	0.14	602	--	98.3	--	17.1	--	777	--	155	--
LP-1**	NE-14	6-8	11/18/1998	5.00	--	307	--	ND	0.049	17,500	--	1,900	--	296	--	13,300	--	3440	--
LP-2		6-8	11/18/1998	3.4	--	NA	--	0.71	--	23,700	--	4,400	--	328	--	8,420	--	2,120	--
LP-2**	NW-13	6-8	11/18/1998	9.40	--	561	--	ND	0.072	31,700	--	4,760	--	684	--	20,600	--	6,800	--
LP-3	E-5	6-8	11/18/1998	ND	0.47	NA	--	ND	0.16	905	--	197	--	16	--	1,220	--	226	--
LP-4	SW-4	6-8	11/18/1998	ND	0.63	NA	--	0.45	--	580	--	106	--	12.7	--	752	--	164	--
LP-4 Duplicate	SW-4	6-8	11/18/1998	ND	0.63	NA	--	0.40	--	693	--	119	--	15.4	--	904	--	203	--
B-32	NO-11		11/18/1998	2.10	--	NA	--	ND	0.18	961	--	955	--	102	--	516	--	190	--
B-32	NO-11	5-7	11/18/1998	ND	0.42	NA	--	ND	0.14	3.40	--	1.60	--	1.40	--	2.20	--	28.9	--
B-33	S-2	0-2	11/18/1998	ND	0.44	NA	--	ND	0.15	85.1	--	51.6	--	11.4	--	32.3	--	18.9	--
B-33	S-2	5-7	11/18/1998	ND	0.33	NA	--	ND	0.11	2.00	--	1.20	--	0.93	--	1.90	--	7.00	--
LEACHATE SUMP	Remediate	10/26/06	10/26/2006	ND	100	1,410	0.5	16.6	5	75,700	50	12,400	50	1,650	5.0	72,300	50.0	27,100	5.0
Mean Concentration of Detected Samples				4.47		369		4.54		7,811		1,318		261		6,101		2,081	
AOC #3: Proposed Residual / Injection Area																			
MW-3	S-2	14-16	11/1991	8.75	--	5.92	--	NA	--	19.6	--	40.0	--	ND	--	13.4	--	12.1	--
	S-2	19-21	11/1991	7.70	--	6.45	--	NA	--	27.2	--	65.4	--	ND	--	40.6	--	15.5	--
MW-4	E-6	14-16	11/1991	1.30	--	9.77	--	NA	--	68.2	--	89.7	--	ND	--	37.9	--	11.5	--
	E-6	19-21	11/1991	0.67	--	5.90	--	NA	--	43.7	--	90.6	--	ND	--	42.5	--	12.0	--
B-34	W-9	0-2	11/18/1998	0.24	0.48	NA	--	ND	0.16	182	--	262	--	36.8	--	440	--	89.9	--
B-34	W-9	5-7	11/18/1998	0.27	0.54	NA	--	ND	0.18	3.70	--	1.90	--	1.60	--	2.40	--	24.9	--
LP-1A		15-17	6/23/1999	2.40	--	NA		0.21	--	140	--	119	--	5.20	--	100	--	25.1	--
LP-2A		15-17	6/23/1999	0.68	--	NA		ND	0.13	47.2	--	48.6	--	3.60	--	27.6	--	11.1	--
LP-5A		15-17	6/23/1999	ND	0.69	NA		0.31	--	125	--	68.7	--	7.70	--	69.3	--	21.1	--
SE-1	SE-1	NA	9/19/06	0.5	1	40.8	0.5	ND	0.5	25.3	0.5	14.8	0.5	3	0.5	14.4	0.5	7.82	0.5
E-5	E-5	NA	9/19/06	0.5	1	146	0.5	ND	0.5	248	5	90.9	0.5	9.34	0.5	81.4	0.5	25.5	0.5
S-2	S-2	NA	9/19/06	1.58	1	32.9	0.5	ND	0.5	25.6	0.5	12.7	0.5	3.32	0.5	15.3	0.5	11.9	0.5
E-6	E-6	NA	9/19/06	1.18	1	30	0.5	ND	0.5	114	0.5	59.6	0.5	12.1	0.5	130	5	41.2	0.5
E-10	E-10	NA	9/19/06	0.5	1	282	0.5	ND	0.5	578	5	122	0.5	28.6	0.5	261	5	61.8	0.5
NE-14	NE-14	NA	9/20/06	0.5	1	25.6	0.5	ND	0.5	121	0.5	100	0.5	13.8	0.5	111	0.5	60.6	0.5
NO-7	NO-7	NA	9/20/06	1.4	1	25.7	0.5	ND	0.5	34.9	0.5	35.6	0.5	12.2	0.5	38.2	0.5	22	0.5
NO-11	NO-11	NA	9/20/06	1.9	1	12.1	0.5	ND	0.5	80	0.5	64.8	0.5	15.6	0.5	62.1	0.5	26.4	0.5
N-15	N-15	NA	9/20/06	0.5	1	70.8	0.5	ND	0.5	680	5	242	5	27.9	0.5	498	5	136	0.5
NO-12	NO-12	NA	9/20/06	0.5	1	15.1	0.5	ND	0.5	54.3	0.5	67.5	0.5	13.4	0.5	63.5	0.5	23.8	0.5
NO-8	NO-8	NA	9/20/06	0.5	1	17.1	0.5	ND	0.5	98	0.5	113	0.5	8.5	0.5	64.4	0.5	23.1	0.5
S-3	S-3	NA	9/21/06	0.5	1	25.3	0.5	ND	0.5	66.4	0.5	35.9	0.5	6.5	0.5	84.7	0.5	26.9	0.5
SW-4	SW-4	NA	9/21/06	0.5	1	10.8	0.5	ND	0.5	57.4	0.5	25.5	0.5	6.08	0.5	27.2	0.5	8.78	0.5
W-9	W-9	NA	9/21/06	0.5	1	130	0.5	ND	0.5	352	5	198	5	31.9	0.5	140	0.5	42.7	0.5
NW-13	NW-13	NA	9/21/06	0.5	1	38.5	0.5	ND	0.5	85.3	0.5	34.1	0.5	5.73	0.5	37.2	0.5	12.1	0.5
Exposure Point Concentration of Residual Soils[1]																			
Maximum Concentration				8.75		282		ND		680		262		37		498		136	
Does Maximum Concentration Exceed Background?				YES		NO		NO		YES		YES		NO		YES		YES	
Contaminant of Concern?				NO[1]		NO		NO		YES		YES		NO		YES		YES	
Mean Concentration										137		83				100		31	
Number Analyzed										24		24				24		24	
Standard Deviation of Population										168		66				124		29	
95% Confidence Interval										67		27				50		12	
95% Confidence Limit										204		110				150		43	

Prepared by: BTB EAF
Reviewed by: NI
Revised: 3 12 2007

Table 2

Calculation of Soil Exposure Point Concentrations: Metals

Former Jameco Facility

NY

(unit, parts per million [ppm], mg/kg)

Sample Identification	Sample Grid	Sample Depth (ft)	Sample Date	Arsenic	RDL	Barium	RDL	Cadmium	RDL	Chromium	RDL	Copper	RDL	Lead	RDL	Nickel	RDL	Zinc	RDL
LP-1B		20-22	6/23/1999	4.80	--	NA		ND	0.20	41.5	--	59.1	--	1.80	--	34.5	--	16.0	--
LP-1C		25-27	6/23/1999	ND	0.45	NA		0.18	--	14.4	--	37.4	--	1.60	--	34.8	--	11.8	--
LP-2B		20-22	6/23/1999	0.72	--	NA		0.17	--	19.1	--	28.2	--	2.10	--	16.8	--	8.40	--
LP-2C		25-27	6/23/1999	0.18	--	NA		0.40	--	10.1	--	53.5	--	2.60	--	21.1	--	18.9	--
LP-5B		20-22	6/23/1999	0.95	--	NA		ND	0.21	53.7	--	71.8	--	3.30	--	46.7	--	19.2	--
LP-5C		25-27	6/23/1999	ND	0.65	NA		ND	0.22	9.40	--	29.8	--	1.60	--	17.4	--	20.7	--
Exposure Point Concentration of Deeper Residual Soils[1]																			
			Maximum Concentration	4.80				0.40		53.7		71.8		3.30		46.7		20.7	
			Does Maximum Concentration Exceed Background?	NO				NO		NO		YES		NO		YES		NO	
			Contaminant of Concern?	NO				NO		NO		YES		NO		YES		NO	
			Mean Concentration									47				29			
			Number Analyzed									6				6			
			Standard Deviation of Population									16				11			
			95% Confidence Interval									13				9			
			95% Confidence Limit									59				37			
Abutting Residential Property																			
50 Oswego St.	S-1 Back	0.3	1/24/2007	4.0	3.5	35	23	ND	0.58	140	12	75	23	32	12	41	12	120	58
50 Oswego St.	S-2 Side	0.3	1/24/2007	ND	3	ND	22	ND	0.56	29	11	23	22	18	11.0	13	11	69	56
HB-1		0-3	11/19/1998	3.00	--	NA		1.00	--	49.4	--	44.1	--	49.6	--	28.5	--	164	--
HB-1		2	11/19/1998	2.10	--	NA		0.53	--	7.80	--	9.80	--	5.60	--	6.10	--	23.3	--
HB-2		0-3	11/19/1998	2.10	--	NA		0.73	--	15.0	--	30.0	--	31.4	--	10.2	--	49.5	--
HB-2		2	11/19/1998	1.80	--	NA		0.80	--	17.6	--	25.6	--	32.9	--	13.2	--	62.4	--
HB-3		2	11/19/1998	0.90	--	NA		0.54	--	4.10	--	3.70	--	2.50	--	2.70	--	8.90	--
HB-4		2	11/19/1998	0.82	--	NA		0.56	--	4.00	--	3.00	--	5.20	--	3.10	--	17.4	--
HB-5		2	11/19/1998	0.33	0.66	NA		0.69	--	19.8	--	38.9	--	21.9	--	12.8	--	87.4	--
HB-6		2	11/19/1998	1.50	--	NA		0.68	--	31.8	--	31.0	--	14.2	--	20.0	--	45.2	--
HB-7		2	11/19/1998	3.50	--	NA		0.63	--	34.4	--	32.4	--	30.2	--	24.8	--	81.6	--
Tea Garden		2	11/19/1998	1.70	--	NA		0.80	--	24.0	--	42.3	--	20.4	--	20.8	--	53.2	--
Exposure Point Concentration of Residual Soils																			
			Maximum Concentration	4.0		35		NO		140		75		50		41		164	
			Does Maximum Concentration Exceed Background?	NO		NO		NO		YES		YES		NO		YES		YES	
			Contaminant of Concern?	NO		NO		NO		YES		YES		NO		YES		YES	
			Mean Concentration							31		30				16		65	
			Number Analyzed							12		12				12		12	
			Standard Deviation of Population							35		19				11		42	
			95% Confidence Interval							20		11				6		24	
			95% Confidence Limit							51		41				22		89	
			USGS Background							40-60		15-25				15-25		60-80	
			Eastern USA Background		4.8		290			33		13		14		11		40	
			NYS Background		3-12		15-600		0.1-1		1.5-40		1-50		4-61		0.5-25		0.5-25
NYSDEC			Soil Cleanup Objective		7.5 or SB		300 or SB		1 or SB		50 or SB		25 or SB		SB 4-61		13 or SB		20 or SB
			Required Detection Limits		0.1		2.0		0.05		0.1		0.25		0.03		0.4		0.4

Notes:

RDL = Reported Detection Limit

ND = Not Detected above RDL

LP= Leaching Pit Samples

MW/B= Soil boring samples

Bold= Bold results exceed standards.

Grid Samples= Composite samples from each grid location

50 Oswego St. = Property abutting AOC #3

Red= Exceed USGS Background Range

NG= Not Given

NA= Not Applicable

SB= Site Background

1 If ND, assume actual value is equal to one-half RDL.

2 20 out of 20 samples collected 1998-2006 did not exceed background and are less than soil cleanup objective..

Prepared by: BTB EAF
Reviewed by: NI
Revised: 3/12/2007

Table H-2.1
Noncancer Dose-Response Values:
Oral Reference Dose

Chemical Name	CAS Number	Subchronic Oral RfD (mg/kg/day)	Uncertainty/ Modifying Factors	Source	Date Last Verified	Chronic Oral RfD (mg/kg/day)	Uncertainty/ Modifying Factors	Source	Date Last Verified	Study Type	Target Organ / Critical Effect	RfD Confidence Level	Test Animal(s)
chromium (total)	7440-47-3	1.0E+00	UF = 1000	HEAST	07/97	1.5E+00	UF = 100; MF = 1	IRIS	09/98	chronic feeding study	no effects reported	Low	rat
chromium (VI)	18540-29-9	2.0E-02	UF = 100	HEAST	07/97	5.0E-03	UF = 500; MF = 1	IRIS	04/97	one-year drinking study	no effects reported	Low	rat
nickel (soluble salts)	7440-02-0	2.0E-02	UF = 300	HEAST	07/97	2.0E-02	UF = 300; MF = 1	IRIS	09/91	chronic oral study	decreased body weight and organ weights	Medium	rat
zinc	7440-66-6	3.0E-01	UF = 3	HEAST	07/97	3.0E-01	UF = 3; MF = 1	IRIS	03/93	diet supplement study	blood / 47% decrease in erythrocyte superoxide dismutase concentration	Medium	human
C5-C8 Aliphatics *	N/A	6.0E-02		MADEP (1)	01-97	6.0E-01		MADEP (1)	01-97				
C9-C12 Aliphatics *	N/A	6.0E-01		MADEP (1)	01-97	6.0E+00		MADEP (1)	01-97				
C9-C18 Aliphatics *	N/A	6.0E-01		MADEP (1)	01-97	6.0E+00		MADEP (1)	01-97				
C19-C36 Aliphatics *	N/A	6.0E+00		MADEP (1)	01-97	6.0E+01		MADEP (1)	01-97				
C9-C10 Aromatics *	N/A	3.0E-02		MADEP (1)	01-97	3.0E-01		MADEP (1)	01-97				
C11-C22 Aromatics *	N/A	3.0E-02		MADEP (1)	01-97	3.0E-01		MADEP (1)	01-97				
dichlorodifluoromethane	75-71-8	9.0E-01	UF = 100	HEAST	07-97	2.0E-01	UF = 100; MF = 1	IRIS	03-97	chronic oral study	whole body / reduced body weight	Medium	rat
chloronaphthalene, 2-	91-58-7	8.0E-02		(C = SC)		8.0E-02	UF = 3000; MF = 1	IRIS	03-97	subchronic oral gavage study	dyspnea, abnormal appearance, liver enlargement	Low	mouse
copper	7440-50-8	3.7E-02		HEAST		3.7E-02		HEAST	09/88	calculated from drinking water standard of 1.3 mg/l			

Notes: mg/kg/day = milligrams per kilogram body weight per day
N/A = Not available

Reference: IRIS = Integrated Risk Information System
HEAST = Health Effects Assessment Summary Tables, FY-1997 Update

Prepared By: EAF
Reviewed By:
3/27/2007

Table 3.1
Soil Exposure Point Concentrations (Subchronic)

Chemical Name	CAS Number	Residual Leaching Pool #1	Residual Leaching Pool #2	Residual Leaching Pool: Deeper #1	Residual Leaching Pool: Deeper #2			
		Mean	95% Upper Confidence Limit	Mean	95% Upper Confidence Limit			
acenaphthene	83-32-9							
acetone	67-64-1							
anthracene	120-12-7							
antimony	7440-36-0	4.9E-01	4.9E-01	4.9E-01	4.9E-01			
arsenic	7440-38-2							
barium	7440-39-3							
benzo(a)anthracene	56-55-3							
benzo(a)pyrene	50-32-8							
benzo(b)fluoranthene	205-99-2							
benzo(k)fluoranthene	207-08-9							
benzo(ghi)perylene	191-24-2							
bis(2-ethylhexyl)phthalate	117-81-7							
cadmium	7440-43-9							
chromium (III)	16065-83-1	1.4E+02	2.0E+02					
chromium (VI)	18540-29-9							
chrysene	218-01-9							
dichloroethene, cis-1,2-	156-59-2							
fluoranthene	206-44-0							
fluorene	86-73-7							
lead	7439-92-1							
mercury	7439-97-6							
methylene chloride	75-09-2							
2-methylnaphthalene	91-57-6							
naphthalene	91-20-3							
nickel	7440-02-0	1.0E+02	1.5E+02	2.9E+01	3.7E+01			
phenanthrene	85-01-8							
pyrene	129-00-0							
selenium	7782-49-2	7.2E-01	7.2E-01	7.2E-01	7.2E-01			
silver	7440-22-4	1.3E-01	1.3E-01	1.3E-01	1.3E-01			
tetrachloroethene	127-18-4							
thallium	7440-28-0							
toluene	108-88-3							
trichloroethene	79-01-6							
vinyl chloride	75-01-4							
zinc	7440-66-6	3.1E+01	4.3E+01	1.0E+02	1.0E+02			
total petroleum hydrocarbons	N/A							
di-n-butyl phthalate	84-74-2							
copper	7440-50-8	8.3E+01	1.1E+02	4.7E+01	5.9E+01			
carbon disulfide	75-15-0							
benzoic acid	65-85-0							

unit, milligram per kilogram (mg/kg), ppm

Notes:

(1) Exposure point concentrations updated for chromium, copper, nickel and zinc (mean or 95% upper confidence limit).. See Table 2.

(2) This table updates Appendix M Table M-4.1b of the Remedial Investigation / Feasibility Study
See Appendix K Table K-1.1 for derivation of exposure point concentrations for antimony, selenium and silver.

Prepared By:
Reviewed By:
3/12/2007

Table 3.2
Derivation of Dust Exposure Point Concentrations (Subchronic)

Chemical Name	CAS Number	Residual Leaching Pool #1	Residual Leaching Pool #2	Residual Leaching Pool: Deeper #1	Residual Leaching Pool: Deeper #2			
		Mean	95% Upper Confidence Limit	Mean	95% Upper Confidence Limit			
acenaphthene	83-32-9							
acetone	67-64-1							
anthracene	120-12-7							
antimony	7440-36-0	1.47E-08	1.47E-08	1.47E-08	1.47E-08			
arsenic	7440-38-2							
barium	7440-39-3							
benzo(a)anthracene	56-55-3							
benzo(a)pyrene	50-32-8							
benzo(b)fluoranthene	205-99-2							
benzo(k)fluoranthene	207-08-9							
benzo(ghi)perylene	191-24-2							
bis(2-ethylhexyl)phthalate	117-81-7							
cadmium	7440-43-9							
chromium (III)	16065-83-1	4.11E-06	6.12E-06					
chromium (VI)	18540-29-9							
chrysene	218-01-9							
dichloroethene, cis-1,2-	156-59-2							
fluoranthene	206-44-0							
fluorene	86-73-7							
lead	7439-92-1							
mercury	7439-97-6							
methylene chloride	75-09-2							
2-methylnaphthalene	91-57-6							
naphthalene	91-20-3							
nickel	7440-02-0	3.00E-06	4.50E-06	8.70E-07	1.11E-06			
phenanthrene	85-01-8							
pyrene	129-00-0							
selenium	7782-49-2	2.16E-08	2.16E-08	2.16E-08	2.16E-08			
silver	7440-22-4	3.90E-09	3.90E-09	3.90E-09	3.90E-09			
tetrachloroethene	127-18-4							
thallium	7440-28-0							
toluene	108-88-3							
trichloroethene	79-01-6							
zinc	7440-66-6	9.30E-07	1.29E-06	3.00E-06	3.00E-06			
total petroleum hydrocarbons	N/A							
di-n-butyl phthalate	84-74-2							
copper	7440-50-8	2.49E-06	3.30E-06	1.41E-06	1.77E-06			
carbon disulfide	75-15-0							
benzoic acid	65-85-0							

Formula: EPC-air = [OHM]-soil * PF * PM-10 * CF

where,
EPC-air = Exposure Point Concentration (ug/cu m)
[OHM]-soil = soil concentration (mg/kg)
PM-10 = respirable particulate concentration in air (60 ug/cu m)
PF = proportion of respirable particulate concentrations attributable to the site (0.50)
CF = conversion factor (1E-09 kg/ug)

Units:
Soil EPC = mg/kg
Fugitive Dust EPC = ug/cu m

This table updates Appendix M Table M-4.2b of the Remedial Investigation / Feasiblity Study.

Prepared By:
Reviewed By:
3/12/2007

Table 3.2b
Derivation of Dust Exposure Point Concentrations

Chemical Name	CAS Number	On-Site Surface Soils						
		Former Lagoon / Leaching Areas						
acenaphthene	83-32-9							
acetone	67-64-1							
anthracene	120-12-7							
antimony	7440-36-0	1.47E-08						
arsenic	7440-38-2							
barium	7440-39-3							
benzo(a)anthracene	56-55-3							
benzo(a)pyrene	50-32-8							
benzo(b)fluoranthene	205-99-2							
benzo(k)fluoranthene	207-08-9							
benzo(ghi)perylene	191-24-2							
bis(2-ethylhexyl)phthalate	117-81-7							
cadmium	7440-43-9							
chromium (III)	16065-83-1	6.12E-06						
chrysene	218-01-9							
dichloroethene, cis-1,2-	156-59-2							
fluoranthene	206-44-0							
fluorene	86-73-7							
lead	7439-92-1							
mercury	7439-97-6							
methylene chloride	75-09-2							
2-methylnaphthalene	91-57-6							
naphthalene	91-20-3							
nickel	7440-02-0	4.50E-06						
phenanthrene	85-01-8							
pyrene	129-00-0							
selenium	7782-49-2	2.16E-08						
silver	7440-22-4	3.90E-09						
tetrachloroethene	127-18-4							
thallium	7440-28-0							
toluene	108-88-3							
trichloroethene	79-01-6							
zinc	7440-66-6	1.29E-06						
total petroleum hydrocarbons	N/A							
di-n-butyl phthalate	84-74-2							
copper	7440-50-8	3.30E-06						
carbon disulfide	75-15-0							
benzoic acid	65-85-0							

Formula: EPC-air = [OHM]-soil * PF * PM-10 * CF

where,
EPC-air = Exposure Point Concentration (ug/cu m)
[OHM]-soil = soil concentration (mg/kg)
PM-10 = respirable particulate concentration in air (60 ug/cu m)
PF = proportion of respirable particulate concentrations attributable to the site (0.50)
CF = conversion factor (1E-09 kg/ug)

Units: Soil EPC = mg/kg
Fugitive Dust EPC = ug/cu m

This table updates Appendix M Table M-3.2b of the Remedial Investigation / Feasibility Study

Prepared By:
Reviewed By:
3/12/2007

Table 3.3
Identification of Soil Exposure Point Concentrations

Chemical Name	CAS Number	Off-Site Residential			Off-Site Residential			
		Chronic	Chronic	Chronic	Subchronic	Subchronic	Subchronic	
acetone	67-64-1	1.9E-02			1.9E-02			
antimony	7440-36-0	1.4E+00			1.4E+00			
cadmium	7440-43-9	8.2E-01			8.2E-01			
chromium (III)	16065-83-1	1.4E+02			1.4E+02			
lead	7439-92-1	3.5E+01			3.5E+01			
mercury	7439-97-6	1.6E-01			1.6E-01			
methylene chloride	75-09-2	2.5E-03			2.5E-03			
nickel	7440-02-0	4.1E+01			4.1E+01			
selenium	7782-49-2	3.3E-01			3.3E-01			
silver	7440-22-4	1.1E-01			1.1E-01			
zinc	7440-66-6	9.5E+01			9.5E+01			
copper	7440-50-8	1.6E+02			1.6E+02			

unit, milligram per kilogram (mg/kg), ppm

Notes:

(1) Exposure point concentrations for residential properties is either the maximimum or 90th percentile value for each chemical.

(2) This table updates Appendix M Table M-1.1b of the Remedial Investigation / Feasibility Study

(3) Exposure point concentrations for chromium, copper, nickel and zinc are updated (see Table 2 - maximum concentrations). See Appendix K Tables for derivation of remainder of OHM.

Prepared By:
Reviewed By:
3/12/2007

Table 3.4
Derivation of Dust Exposure Point Concentrations

Chemical Name	CAS Number	Off-Site Residential			Off-Site Residential			
		Chronic	Chronic	Chronic	Subchronic	Subchronic	Subchronic	
acetone	67-64-1	5.70E-10			5.70E-10			
antimony	7440-36-0	4.23E-08			4.23E-08			
cadmium	7440-43-9	2.46E-08			2.46E-08			
chromium (III)	16065-83-1	4.20E-06			4.20E-06			
lead	7439-92-1	1.04E-06			1.04E-06			
mercury	7439-97-6	4.80E-09			4.80E-09			
methylene chloride	75-09-2	7.50E-11			7.50E-11			
nickel	7440-02-0	1.23E-06			1.23E-06			
selenium	7782-49-2	9.90E-09			9.90E-09			
silver	7440-22-4	3.30E-09			3.30E-09			
zinc	7440-66-6	2.85E-06			2.85E-06			
copper	7440-50-8	4.92E-06			4.92E-06			

Formula: EPC-air = [OHM]-soil * PF * PM-10 * CF

where,
EPC-air = Exposure Point Concentration (ug/cu m)
[OHM]-soil = soil concentration (mg/kg)
PM-10 = respirable particulate concentration in air (60 ug/cu m)
PF = proportion of respirable particulate concentrations attributable to the site (0.50)
CF = conversion factor (1E-09 kg/ug)

Units:
Soil EPC = mg/kg
Fugitive Dust EPC = ug/cu m

This table updates Appendix M Table M-1.2b of the Remedial Investigation / Feasibility Study

Prepared By:
Reviewed By:
2/12/2007

Table 3.5
Calculation of Average Daily Dose for Soil Exposure: Exposure Point Concentrations

Chemical Name	CAS Number		Residual Leaching Pool #2	Residual Leaching Pool #2				
			Chronic: 95% Upper Confidence Limit	Subchronic: 95% Upper Confidence Limit				
acenaphthene	83-32-9							
acetone	67-64-1							
anthracene	120-12-7							
antimony	7440-36-0		4.9E-01	4.9E-01				
arsenic	7440-38-2							
barium	7440-39-3							
benzo(a)anthracene	56-55-3							
benzo(a)pyrene	50-32-8							
benzo(b)fluoranthene	205-99-2							
benzo(k)fluoranthene	207-08-9							
benzo(ghi)perylene	191-24-2							
cadmium	7440-43-9							
chromium (III)	16065-83-1		2.0E+02	2.0E+02				
chrysene	218-01-9							
dichloroethene, cis-1,2-	156-59-2							
fluoranthene	206-44-0							
fluorene	86-73-7							
lead	7439-92-1							
mercury	7439-97-6							
methylene chloride	75-09-2							
naphthalene	91-20-3							
nickel	7440-02-0		1.5E+02	1.5E+02				
phenanthrene	85-01-8							
pyrene	129-00-0							
selenium	7782-49-2		7.2E-01	7.2E-01				
silver	7440-22-4		1.3E-01	1.3E-01				
tetrachloroethene	127-18-4							
thallium	7440-28-0							
toluene	108-88-3							
trichloroethene	79-01-6							
zinc	7440-66-6		4.3E+01	4.3E+01				
total petroleum hydrocarbons	N/A							
copper	7440-50-8		1.1E+02	1.1E+02				
carbon disulfide	75-15-0							

unit, milligram per kilogram (mg/kg), ppm

Notes:

(1) This table updates Appendix M Table M-2.1b of the Remedial Investigation / Feasibility Study
See Table 2 and Table 3.1 for information on the soil exposure point concentrations for this exposure point.

Prepared By:
Reviewed By:
3/12/2005

Table 3.6
Calculation of Average Daily Exposure for Dust: Exposure Point Concentrations: Fugitive Dust

Chemical Name	CAS Number		Residual Leaching Pool #2	Residual Leaching Pool #2				
			Chronic: 95% Upper Confidence Limit	Subchronic: 95% Upper Confidence Limit				
acenaphthene	83-32-9							
acetone	67-64-1							
anthracene	120-12-7							
antimony	7440-36-0		1.47E-08	1.47E-08				
arsenic	7440-38-2							
barium	7440-39-3							
benzo(a)anthracene	56-55-3							
benzo(a)pyrene	50-32-8							
benzo(b)fluoranthene	205-99-2							
benzo(k)fluoranthene	207-08-9							
benzo(ghi)perylene	191-24-2							
cadmium	7440-43-9							
chromium (III)	16065-83-1		6.12E-06	6.12E-06				
chrysene	218-01-9							
dichloroethene, cis-1,2-	156-59-2							
fluoranthene	206-44-0							
fluorene	86-73-7							
lead	7439-92-1							
mercury	7439-97-6							
methylene chloride	75-09-2							
naphthalene	91-20-3							
nickel	7440-02-0		4.50E-06	4.50E-06				
phenanthrene	85-01-8							
pyrene	129-00-0							
selenium	7782-49-2		2.16E-08	2.16E-08				
silver	7440-22-4		3.90E-09	3.90E-09				
tetrachloroethene	127-18-4							
thallium	7440-28-0							
toluene	108-88-3							
trichloroethene	79-01-6							
zinc	7440-66-6		1.29E-06	1.29E-06				
total petroleum hydrocarbons	N/A							
di-n-butyl phthalate	84-74-2							
copper	7440-50-8		3.30E-06	3.30E-06				
carbon disulfide	75-15-0							

Formula: EPC-air = [OHM]-soil * PF * PM-10 * CF

where, EPC-air = Exposure Point Concentration (ug/cu m)
[OHM]-soil = soil concentration (mg/kg)
PM-10 = respirable particulate concentration in air (60 ug/cu m)
PF = proportion of respirable particulate concentrations attributable to the site (0.50)
CF = conversion factor (1E-09 kg/ug)

Units: Soil EPC = mg/kg
Fugitive Dust EPC = ug/cu m

This table updates Appendix M Table M-2.2b of the Remedial Investigation / Feasibility St

Prepared By:
Reviewed By:
3/12/2007

Table 3.7
Identification of Soil Exposure Point Concentration

Chemical Name	CAS Number	Residual Leaching Pool #2						
		Subchronic: 95% Upper Confidence Limit						
acenaphthene	83-32-9							
acetone	67-64-1							
anthracene	120-12-7							
antimony	7440-36-0	4.9E-01						
arsenic	7440-38-2							
barium	7440-39-3							
benzo(a)anthracene	56-55-3							
benzo(a)pyrene	50-32-8							
benzo(b)fluoranthene	205-99-2							
benzo(k)fluoranthene	207-08-9							
benzo(ghi)perylene	191-24-2							
bis(2-ethylhexyl)phthalate	117-81-7							
cadmium	7440-43-9							
chromium (III)	16065-83-1	2.0E+02						
chrysene	218-01-9							
dichloroethene, cis-1,2-	156-59-2							
fluoranthene	206-44-0							
fluorene	86-73-7							
lead	7439-92-1							
mercury	7439-97-6							
methyl ethyl ketone	78-93-3							
methyl isobutyl ketone	108-10-1							
methylene chloride	75-09-2							
2-methylnaphthalene	91-57-6							
naphthalene	91-20-3							
nickel	7440-02-0	1.5E+02						
phenanthrene	85-01-8							
pyrene	129-00-0							
selenium	7782-49-2	7.2E-01						
silver	7440-22-4	1.3E-01						
tetrachloroethene	127-18-4							
thallium	7440-28-0							
toluene	108-88-3							
trichloroethene	79-01-6							
zinc	7440-66-6	4.3E+01						
total petroleum hydrocarbons	N/A							
di-n-butyl phthalate	84-74-2							
copper	7440-50-8	1.1E+02						
carbon disulfide	75-15-0							
benzoic acid	65-85-0							

unit, milligram per kilogram (mg/kg), ppm

Notes:

(1) This table updates Appendix M Table M-3.1b of the Remedial Investigation / Feasibility Study
See Table 2 and Table 3.1 for information on the soil exposure point concentrations for this exposure point.

Prepared By:
Reviewed By:
3/12/2007

Table 3.9
Exposure Point Concentrations: Drinking Water

Chemical Name	CAS Number	Future Drinking Water						
chromium (total)	7440-47-3							
chromium (VI)	18540-29-9	1.9E-01						
nickel	7440-02-0	2.2E+00						
zinc	7440-66-6	3.0E-01						
copper	7440-50-8	1.40E-01						

unit, milligram per kilogram (mg/l), ppm

Table 4.1
Calculation of Average Daily Dose for Soil Exposure: On-Site, Indoor Worker (Subchronic)

Receptor: On-Site Worker - Indoor, Female, Aged 22 Years (Subchronic)

	Exposure Point:	Residual Leaching Pool #1		Residual Leaching Pool #2		Residual Leaching Pool: Deeper #1,		Residual Leaching Pool: Deeper #2	
Chemical Name	CAS Number	Dermal Contact	Incidental Ingestion	Dermal Contact	Incidental Ingestion	Dermal Contact	Incidental Ingestion	Dermal Contact	Incidental Ingestion
		Mean		95% Upper Confidence Limit		Mean		95% Upper Confidence Limit	
acenaphthene	83-32-9								
acetone	67-64-1								
anthracene	120-12-7								
antimony	7440-36-0	2.43E-07	5.76E-08	2.43E-07	5.76E-08	2.43E-07	5.76E-08	2.43E-07	5.76E-08
arsenic	7440-38-2								
barium	7440-39-3								
benzo(a)anthracene	56-55-3								
benzo(a)pyrene	50-32-8								
benzo(b)fluoranthene	205-99-2								
benzo(k)fluoranthene	207-08-9								
benzo(ghi)perylene	191-24-2								
bis(2-ethylhexyl)phthalate	117-81-7								
cadmium	7440-43-9								
chromium (III)	16065-83-1	2.72E-05	1.61E-05	4.05E-05	2.40E-05				
chromium (VI)	18540-29-9								
chrysene	218-01-9								
dichloroethene, cis-1,2-	156-59-2								
fluoranthene	206-44-0								
fluorene	86-73-7								
lead	7439-92-1								
mercury	7439-97-6								
methylene chloride	75-09-2								
2-methylnaphthalene	91-57-6								
naphthalene	91-20-3								
nickel	7440-02-0	1.74E-04	1.18E-05	2.61E-04	1.76E-05	5.04E-05	3.41E-06	6.43E-05	4.35E-06
phenanthrene	85-01-8								
pyrene	129-00-0								
selenium	7782-49-2	7.15E-09	8.46E-08	7.15E-09	8.46E-08	7.15E-09	8.46E-08	7.15E-09	8.46E-08
silver	7440-22-4	1.61E-07	1.53E-08	1.61E-07	1.53E-08	1.61E-07	1.53E-08	1.61E-07	1.53E-08
tetrachloroethene	127-18-4								
thallium	7440-28-0								
toluene	108-88-3								
trichloroethene	79-01-6								
zinc	7440-66-6	3.08E-06	3.64E-06	4.27E-06	5.05E-06	9.93E-06	1.18E-05	9.93E-06	1.18E-05
total petroleum hydrocarbons	N/A								
di-n-butyl phthalate	84-74-2								
copper	7440-50-8	4.12E-04	9.76E-06	5.46E-04	1.29E-05	2.33E-04	5.52E-06	2.93E-04	6.94E-06
carbon disulfide	75-15-0								
benzoic acid	65-85-0								

Prepared By:EAF
Reviewed By:
3/12/2007

Table 4.1
Calculation of Average Daily Dose for Soil Exposure: On-Site, Indoor Worker (Subchronic)

Formula: Daily Dose (ADD) for exposure to soils via ingestion (ing) and dermal contact

$$\text{ADD-dermal} = \frac{[\text{OHM-soil}]*SA*AF*RAF*EF*ED*EP*C}{BW*AP}$$

$$\text{ADD-ing} = \frac{[\text{OHM-soil}]*IR*RAF*EF*ED*EP*C}{BW*AP}$$

Unit: ADD, mg/kg/day

Receptor: Indoor Worker (eg, office worker), female, aged 22 years

Description	Abbreviation	Unit	Default Value	Source	Site-Specific Value	Source / Description	Input Value
Exposure point concentration	[OHM-soil]	mg/kg			See Soil EPC Table		See Soil EPC Table
Skin surface area in contact with soil on days exposed	SA	square centimeter/day	4225	[a], female worker who occasionally wears skirts and short sleeve shirts (25% of mean total body surface of a female)			4.23E+03
Mass of soil adhered to the unit surface area of skin exposed	AF	mg/sq. cm.	0.5	[a], sandy soils - large grain size			5.00E-01
Relative Absorption Factor	RAF	unitless	See RAF Table				See RAF Table
Exposure frequency: # exposure events during EP / # days in EP	EF	events/year	52	2 days per week during a six-month construction project			5.20E+01
Exposure duration: typical duration of each exposure event	ED	years/event	2.74E-03	1 day per event or 1/365 of a year per event			2.74E-03
Exposure period: period of time over which exposure may occur	EP	years	1	age 22 years			1.00E+00
Unit Conversion Factor	C	kg/mg	1.00E-06	for dermal contact			1.00E-06
Unit Conversion Factor	C	kg/mg	1.00E-06	for ingestion			1.00E-06
Body weight of the receptor during the AP	BW	kg	60.6	[a], average BW for 22 year old female			6.06E+01
Averaging Period	AP	years	1	subchronic period			1.00E+00
Ingestion rate	IR	mg/day	50	[a]			5.00E+01

References:

[a] U.S. Environmental Protection Agency. 1995. Exposure Factors Handbook (Review Draft). EPA/600/P-95/002A.

This table updates Appendix M Table M-4.1a2 of the Remedial Investigation / Feasibility Study.

Prepared By:EAF
Reviewed By:
3/12/2007

Table 4.2
Calculation of Average Daily Dose for Soil Exposure: On-Site, Outdoor Worker (Subchronic)

Receptor: On-Site Worker - Outdoor, Male, Aged 22 Years (Subchronic)

		Exposure Point:	Residual Leaching Pool #1		Residual Leaching Pool #2		Residual Leaching Pool: Deeper #1		Residual Leaching Pool: Deeper #2	
Chemical Name	CAS Number		Dermal Contact	Incidental Ingestion	Dermal Contact	Incidental Ingestion	Dermal Contact	Incidental Ingestion	Dermal Contact	Incidental Ingestion
			Mean		95% Upper Confidence Limit		Mean		95% Upper Confidence Limit	
acenaphthene	83-32-9									
acetone	67-64-1									
anthracene	120-12-7									
antimony	7440-36-0		5.73E-07	1.14E-06	5.73E-07	1.14E-06	5.73E-07	1.14E-06	5.73E-07	1.14E-06
arsenic	7440-38-2									
barium	7440-39-3									
benzo(a)anthracene	56-55-3									
benzo(a)pyrene	50-32-8									
benzo(b)fluoranthene	205-99-2									
benzo(k)fluoranthene	207-08-9									
benzo(ghi)perylene	191-24-2									
bis(2-ethylhexyl)phthalate	117-81-7									
cadmium	7440-43-9									
chromium (III)	16065-83-1		6.41E-05	3.17E-04	9.55E-05	4.73E-04				
chromium (VI)	18540-29-9									
chrysene	218-01-9									
dichloroethene, cis-1,2-	156-59-2									
fluoranthene	206-44-0									
fluorene	86-73-7									
lead	7439-92-1									
mercury	7439-97-6									
methylene chloride	75-09-2									
2-methylnaphthalene	91-57-6									
naphthalene	91-20-3									
nickel	7440-02-0		4.10E-04	2.32E-04	6.14E-04	3.47E-04	1.19E-04	6.72E-05	1.52E-04	8.57E-05
phenanthrene	85-01-8									
pyrene	129-00-0									
selenium	7782-49-2		1.69E-08	1.67E-06	1.69E-08	1.67E-06	1.69E-08	1.67E-06	1.69E-08	1.67E-06
silver	7440-22-4		3.80E-07	3.01E-07	3.80E-07	3.01E-07	3.80E-07	3.01E-07	3.80E-07	3.01E-07
tetrachloroethene	127-18-4									
thallium	7440-28-0									
toluene	108-88-3									
trichloroethene	79-01-6									
zinc	7440-66-6		7.26E-06	7.18E-05	1.01E-05	9.96E-05	2.34E-05	2.32E-04	2.34E-05	2.32E-04
total petroleum hydrocarbons	N/A									
di-n-butyl phthalate	84-74-2									
copper	7440-50-8		9.71E-04	1.92E-04	1.29E-03	2.55E-04	5.50E-04	1.09E-04	6.90E-04	1.37E-04
carbon disulfide	75-15-0									
benzoic acid	65-85-0									

Prepared By:EAF
Reviewed By:
3/12/2007

Table 4.2
Calculation of Average Daily Dose for Soil Exposure: On-Site, Outdoor Worker (Subchronic)

Formula: Daily Dose (ADD) for exposure to soils via ingestion (ing) and dermal contact

$$ADD\text{-}dermal = \frac{[OHM\text{-}soil]*SA*AF*RAF*EF*ED*EP*C}{BW*AP}$$

$$ADD\text{-}ing = \frac{[OHM\text{-}soil]*IR*RAF*EF*ED*EP*C}{BW*AP}$$

Unit: ADD, mg/kg/day

Receptor: Outdoor worker (eg, landscapers, nursery operators, landfill operators, construction worker, and quarry operators (age 22 years)

Description	Abbreviation	Unit	Default Value	Source	Site-Specific Value	Source / Description	Input Value
Exposure point concentration	[OHM-soil]	mg/kg			See Soil EPC Table		See Soil EPC Table
Skin surface area in contact with soil on days exposed	SA	square centimeter/day	4.85E+03	[a] male worker (25% of total body surface area)			4.85E+03
Mass of soil adhered to the unit surface area of skin exposed	AF	mg/sq. cm.	5.00E-01	[a], sandy soil - large grain size			5.00E-01
Relative Absorption Factor	RAF	unitless	See RAF Table				See RAF Table
Exposure frequency: # exposure events during EP / # days in EP	EF	events/year	1.30E+02	5 days per week during a six-month construction period			1.30E+02
Exposure duration: typical duration of each exposure event	ED	years/event	2.74E-03	1 day per event or 1/365 of a year			2.74E-03
Exposure period: period of time over which exposure may occur	EP	years	1.00E+00	age 22 years			1.00E+00
Unit Conversion Factor	C	kg/mg	1.00E-06	for dermal contact			1.00E-06
Unit Conversion Factor	C	kg/mg	1.00E-06	for ingestion			1.00E-06
Body weight of the receptor during the AP	BW	kg	7.38E+01	[a], average BW for 22 year old male			7.38E+01
Averaging Period	AP	years	1.00E+00	subchronic exposure period			1.00E+00
Ingestion rate	IR	mg/day	4.80E+02	[a]			4.80E+02

References:

[a] U.S. Environmental Protection Agency. 1995. Exposure Factors Handbook (Review Draft). EPA/600/P-95/002A.

This table updates Appendix M Table M-4.1a1 of the Remedial Investigation / Feasibility Study.

Prepared By:EAF
Reviewed By:
3/12/2007

Table 4.3
Calculation of Average Daily Exposure for Dust: On-Site, Outdoor Worker (Subchronic)

Receptor: On-site Worker - Outdoor, Male, Aged 22 Years (Subchronic)

Chemical Name	CAS Number	Residual Leaching Pool #1	Residual Leaching Pool #2	Residual Leaching Pool: Deeper #1	Residual Leaching Pool: Deeper #2	0.00	0.00	0.00
		Mean	95% Upper Confidence Limit	Mean	95% Upper Confidence Limit			
acenaphthene	83-32-9							
acetone	67-64-1							
anthracene	120-12-7							
antimony	7440-36-0	5.2E-12	5.2E-12	5.2E-12	5.2E-12			
arsenic	7440-38-2							
barium	7440-39-3							
benzo(a)anthracene	56-55-3							
benzo(a)pyrene	50-32-8							
benzo(b)fluoranthene	205-99-2							
benzo(k)fluoranthene	207-08-9							
benzo(ghi)perylene	191-24-2							
bis(2-ethylhexyl)phthalate	117-81-7							
cadmium	7440-43-9							
chromium (III)	16065-83-1	1.5E-09	2.2E-09					
chromium (VI)	18540-29-9							
chrysene	218-01-9							
dichloroethene, cis-1,2-	156-59-2							
fluoranthene	206-44-0							
fluorene	86-73-7							
lead	7439-92-1							
mercury	7439-97-6							
methylene chloride	75-09-2							
2-methylnaphthalene	91-57-6							
naphthalene	91-20-3							
nickel	7440-02-0	1.1E-09	1.6E-09	3.1E-10	4.0E-10			
phenanthrene	85-01-8							
pyrene	129-00-0							
selenium	7782-49-2	7.7E-12	7.7E-12	7.7E-12	7.7E-12			
silver	7440-22-4	1.4E-12	1.4E-12	1.4E-12	1.4E-12			
tetrachloroethene	127-18-4							
thallium	7440-28-0							
toluene	108-88-3							
trichloroethene	79-01-6							
vinyl chloride	75-01-4							
zinc	7440-66-6	3.3E-10	4.6E-10	1.1E-09	1.1E-09			
total petroleum hydrocarbons	N/A							
di-n-butyl phthalate	84-74-2							
copper	7440-50-8	8.9E-10	1.2E-09	5.0E-10	6.3E-10			
carbon disulfide	75-15-0							
benzoic acid	65-85-0							

Prepared By: EAF
Reviewed By:
3/12/2007

Table 4.3
Calculation of Average Daily Exposure for Dust: On-Site, Outdoor Worker (Subchronic)

Formula: Average Daily Exposure (ADE) via inhalation (ihl) of dusts

$$ADE\text{-}ihl = \frac{[OHM\text{-}dust]*EF*ED*EP*C}{AP}$$

Unit: ADE, mg/cu m

Receptor: Outdoor worker (eg, landscapers, nursery operators, landfill operators, miners, construction workers, and quarry operators (aged 22 years)

Description	Abbreviation	Unit	Default Value	Source	Site-Specific Value	Source / Description	Input Value
Exposure point concentration	[OHM-dust]	ug/cu. m.			See Dust EPC Table		See Dust EPC Table
Exposure frequency: # exposure events during EP / # days in EP	EF	events/year	130	5 days per week during a six month construction project			1.30E+02
Exposure duration: typical duration of each exposure event	ED	years/event	2.74E-03	1 day per event or 1/365 of a year			2.74E-03
Exposure period: period of time over which exposure may occur	EP	years	1	age 22 years			1.00E+00
Unit Conversion Factor	C	mg/ug	1.00E-03	for inhalation			1.00E-03
Averaging Period	AP	years	1	subchronic exposure period			1.00E+00

This table updates Appendix M Table M-4.2a of the Remedial Investigation / Feasibility Study.

Table 4.4
Calculation of Average Daily Dose for Soil Exposure: Resident, Aged 1 - 6 years (Chronic and Subchronic)

Receptor: Resident, aged 1 to 6 years (Chronic) and aged 1 year (Subchronic)									
Exposure Point:		Off-Site Residential						Off-Site Residential	
Chemical Name	CAS Number	Dermal Contact	Incidental Ingestion	Dermal Contact	Incidental Ingestion	Dermal Contact	Incidental Ingestion	Dermal Contact	Incidental Ingestion
		Chronic		Chronic		Chronic		Subchronic	
acetone	67-64-1	5.22E-08	5.27E-08					6.02E-08	7.37E-08
antimony	7440-36-0	3.88E-06	3.91E-06					4.47E-06	5.47E-06
cadmium	7440-43-9	3.15E-06	2.28E-06					3.64E-06	3.18E-06
chromium (III)	16065-83-1	1.54E-04	3.89E-04					1.77E-04	5.43E-04
lead	7439-92-1	5.71E-06	4.80E-05					6.58E-06	6.71E-05
mercury	7439-97-6	2.20E-07	4.44E-07					2.53E-07	6.21E-07
methylene chloride	75-09-2	6.87E-09	6.94E-09					7.92E-09	9.70E-09
nickel	7440-02-0	3.94E-04	1.14E-04					4.55E-04	1.59E-04
selenium	7782-49-2	1.81E-08	9.16E-07					2.09E-08	1.28E-06
silver	7440-22-4	7.56E-07	3.05E-07					8.71E-07	4.27E-07
zinc	7440-66-6	5.23E-05	2.64E-04					6.03E-05	3.69E-04
copper	7440-50-8	4.51E-03	4.55E-04					5.20E-03	6.37E-04

Prepared By:EAF
Reviewed By:
3/12/2007

Table 4.4
Calculation of Average Daily Dose for Soil Exposure: Resident, Aged 1 - 6 years (Chronic and Subchronic)

Formula: Daily Dose (ADD) for exposure to soils via ingestion (ing) and dermal contact

$$ADD\text{-}dermal = \frac{[OHM\text{-}soil]*SA*AF*RAF*EF*ED*EP*C}{BW*AP}$$

$$ADD\text{-}ing = \frac{[OHM\text{-}soil]*IR*RAF*EF*ED*EP*C}{BW*AP}$$

Unit: ADD, mg/kg/day

Receptor: Resident, aged 1-6 years (Chronic) and aged 1 year (Subchronic)

Description	Abbreviation	Unit	Default Value	Source	Site-Specific Value	Source / Description	Input Value
Exposure point concentration	[OHM-soil]	mg/kg			See Soil EPC Table		See Soil EPC Table
Skin surface area in contact with soil on days exposed	SA	square centimeter/day	1980	[a], child, aged 1 to 6 years (hands, forearms, lower legs and feet) (25% of 95th percentile total body surface area)	1.63E+03	subchronic exposure: [a], child, aged 2 year (hands, forearms, lower legs and feet) (25% of 95th percentile total body surface area) (no information was provided for one-year old child)	1.98E+03
Mass of soil adhered to the unit surface area of skin exposed	AF	mg/sq. cm.	0.5	[a] Sandy soils with larger particle size			5.00E-01
Relative Absorption Factor	RAF	unitless	See RAF Table				See RAF Table
Exposure frequency: # exposure events during EP / # days in EP	EF	events/year	153	everyday from May to September			1.53E+02
Exposure duration: typical duration of each exposure event	ED	years/event	2.74E-03	1 day per event or 1/365 of a year per event			2.74E-03
Exposure period: period of time over which exposure may occur	EP	years	5	child, aged 1 to 6 years	1.0	subchronic exposure of 1 year old girl	5.00E+00
Unit Conversion Factor	C	kg/mg	1.00E-06	for dermal contact			1.00E-06
Unit Conversion Factor	C	kg/mg	1.00E-06	for ingestion			1.00E-06
Body weight of the receptor during the AP	BW	kg	15.1	[a], girl child, aged 1 to 6 years	1.08E+01	[a] subchronic exposure of 1 year old girl	1.51E+01
Averaging Period	AP	years	5	chronic exposure - girl aged 1-6 yrs	1.0	subchronic exposure of 1 year old girl	5.00E+00
Ingestion rate	IR	mg/day	100	[a]			1.00E+02

This table updates Appendix M Table M-1.1a of the Remedial Investigation / Feasibility Study

References:

[a] U.S. Environmental Protection Agency. 1995. Exposure Factors Handbook (Review Draft). EPA/600/P-95/002A.

Prepared By:EAF
Reviewed By:
3/12/2007

Table 4.5
Calculation of Average Daily Exposure for Dust: Resident, Aged 1 to 6 Years (Chronic and Subchronic)

Receptor: Resident, aged 1-6 years (Chronic) and aged 1 year (Subchronic)

Chemical Name	CAS Number	Off-Site Residential			Off-Site Residential			
		Chronic	Chronic	Chronic	Subchronic	Subchronic	Subchronic	
acetone	67-64-1	2.4E-13			2.4E-13			
antimony	7440-36-0	1.8E-11			1.8E-11			
cadmium	7440-43-9	1.0E-11			1.0E-11			
chromium (III)	16065-83-1	1.8E-09			1.8E-09			
lead	7439-92-1	4.4E-10			4.4E-10			
mercury	7439-97-6	2.0E-12			2.0E-12			
methylene chloride	75-09-2	3.1E-14			3.1E-14			
nickel	7440-02-0	5.2E-10			5.2E-10			
selenium	7782-49-2	4.1E-12			4.1E-12			
silver	7440-22-4	1.4E-12			1.4E-12			
zinc	7440-66-6	1.2E-09			1.2E-09			
copper	7440-50-8	2.1E-09			2.1E-09			

Prepared By:EAF
Reviewed By:
3/12/2007

Table 4.5
Calculation of Average Daily Exposure for Dust: Resident, Aged 1 to 6 Years (Chronic and Subchronic)

Formula: Average Daily Exposure (ADE) via inhalation (ihl) of dusts

$$ADE\text{-}ihl = \frac{[OHM\text{-}dust]*EF*ED*EP*C}{AP}$$

Unit: ADE, mg/cu m

Receptor: Resident, aged 1-6 years old (Chronic) and aged 1 year (Subchronic)

Description	Abbreviation	Unit	Default Value	Source	Site-Specific Value	Source / Description	Input Value
Exposure point concentration	[OHM-dust]	ug/cu. m.			See Dust EPC Table		See Dust EPC Table
Exposure frequency: # exposure events during EP / # days in EP	EF	events/year	153	every day from May to September			1.53E+02
Exposure duration: typical duration of each exposure event	ED	years/event	2.74E-03	1 day per event, or 1/365 of a year per event			2.74E-03
Exposure period: period of time over which exposure may occur	EP	years	5	from age 1 to 6 years	1.00E+00	subchronic exposure of 1 year old girl	5.00E+00
Unit Conversion Factor	C	mg/ug	1.00E-03	for inhalation			1.00E-03
Averaging Period	AP	years	5	chronic exposure for 1 to 6 year old girl	1.00E+00	subchronic exposure of 1 year old girl	5.00E+00

This table updates Appendix M Table M-1.2a of the Remedial Investigation / Feasibility Study

Prepared By:EAF
Reviewed By:
3/12/2007

Table 4.6
Calculation of Average Daily Dose for Soil Exposure: Trespasser, Aged 6 to 13 Years (Chronic and Subchronic)

Receptor: Trespasser, aged 6 to 13 years (Chronic) and aged 6 years (Subchronic)

	Exposure Point:			Residual Leaching Pool #2		Residual Leaching Pool #2		0.00E+00		0.00E+00		0.00E+00		0.00E+00	
Chemical Name	CAS Number	Dermal Contact	Incidental Ingestion	Dermal Contact	Incidental Ingestion	Dermal Contact	Incidental Ingestion	Dermal Contact	Incidental Ingestion	Dermal Contact	Incidental Ingestion	Dermal Contact	Incidental Ingestion	Dermal Contact	Incidental Ingestion
				Chronic: 95% Upper Confidence Limit		Subchronic: 95% Upper Confidence Limit		0.00E+00		0.00E+00		0.00E+00		0.00E+00	
acenaphthene	83-32-9														
acetone	67-64-1														
anthracene	120-12-7														
antimony	7440-36-0			5.35E-08	1.58E-08	2.03E-07	7.90E-08								
arsenic	7440-38-2														
barium	7440-39-3														
benzene	71-43-2														
benzo(a)anthracene	56-55-3														
benzo(a)pyrene	50-32-8														
benzo(b)fluoranthene	205-99-2														
benzo(k)fluoranthene	207-08-9														
benzo(ghi)perylene	191-24-2														
cadmium	7440-43-9														
chromium (III)	16065-83-1			8.91E-06	6.57E-06	3.39E-05	3.29E-05								
chrysene	218-01-9														
dichloroethene, cis-1,2-	156-59-2														
fluoranthene	206-44-0														
fluorene	86-73-7														
lead	7439-92-1														
mercury	7439-97-6														
methyl ethyl ketone	78-93-3														
methyl isobutyl ketone	108-10-1														
methylene chloride	75-09-2														
naphthalene	91-20-3														
nickel	7440-02-0			5.73E-05	4.83E-06	2.18E-04	2.42E-05								
phenanthrene	85-01-8														
pyrene	129-00-0														
selenium	7782-49-2			1.57E-09	2.32E-08	5.98E-09	1.16E-07								
silver	7440-22-4			3.55E-08	4.19E-09	1.35E-07	2.10E-08								
tetrachloroethene	127-18-4														
thallium	7440-28-0														
toluene	108-88-3														
trichloroethene	79-01-6														
zinc	7440-66-6			9.39E-07	1.38E-06	3.57E-06	6.93E-06								
total petroleum hydrocarbons	N/A														
copper	7440-50-8			1.20E-04	3.54E-06	4.56E-04	1.77E-05								
carbon disulfide	75-15-0														
benzoic acid	65-85-0														

Prepared By: EAF
Reviewed By:
3/12/2007

Table 4.6
Calculation of Average Daily Dose for Soil Exposure: Trespasser, Aged 6 to 13 Years (Chronic and Subchronic)

Formula: Daily Dose (ADD) for exposure to soils via ingestion (ing) and dermal contact

$$ADD\text{-}dermal = \frac{[OHM\text{-}soil]*SA*AF*RAF*EF*ED*EP*C}{BW*AP}$$

$$ADD\text{-}ing = \frac{[OHM\text{-}soil]*IR*RAF*EF*ED*EP*C}{BW*AP}$$

Unit: ADD, mg/kg/day

Receptor: Trespasser, aged 6-13 years (Chronic) and aged 6 years (Subchronic)

Description	Abbreviation	Unit	Default Value	Source	Site-Specific Value	Source / Description	Input Value
Exposure point concentration	[OHM-soil]	mg/kg			See Soil EPC Table		See Soil EPC Table
Skin surface area in contact with soil on days exposed	SA	square centimeter/day	3390	[a], female child, aged 6 to 13 years (hands, forearms, lower legs and feet (25% of 95th percentile total body surface)	2.58E+03	subchronic exposure: [a], female child, aged 6 years (hands, forearms, lower legs and feet) (25% of 95th percentile total body surface)	3.39E+03
Mass of soil adhered to the unit surface area of skin exposed	AF	mg/sq. cm.	0.5	[a], sandy soil, large particle size			5.00E-01
Relative Absorption Factor	RAF	unitless	See RAF Table				See RAF Table
# exposure events during EP / # days in EP	EF	events/year	52	Trespasses 2 days per week during warm weather months	26	subchronic: 1 day per week during a six-month construction	5.20E+01
Exposure duration: typical duration of each exposure event	ED	years/event	2.74E-03	1 day per event or 1/365 of a year per event			2.74E-03
Exposure period: period of time over which exposure may occur	EP	years	7	female child, aged 6 to 13 years	1.0	subchronic exposure of 6 year old girl	1.00E+00
Unit Conversion Factor	C	kg/mg	1.00E-06	for dermal contact			1.00E-06
Unit Conversion Factor	C	kg/mg	1.00E-06	for ingestion			1.00E-06
Body weight of the receptor during the AP	BW	kg	31.6	[a], female child, aged 6 to 13 years	2.21E+01	[a], subchronic exposure of 6 year old girl	3.16E+01
Averaging Period	AP	years	7	chronic exposure	1.0	subchronic exposure of 6 year old boy or girl	7.00E+00
Ingestion rate	IR	mg/day	50	[a]			5.00E+01

This table updates Appendix M Table M-2.1a of the Remedial Investigation / Feasibility Study

References:

[a] U.S. Environmental Protection Agency. 1995. Exposure Factors Handbook (Review Draft). EPA/600/P-95/002A.

Prepared By: EAF
Reviewed By:
3/12/2007

Table 4.7
Calculation of Average Daily Exposure for Dust: Resident, Aged 6 to 13 Years (Chronic and Subchronic)

Receptor: Trespasser, aged 6-13 years (Chronic) and aged 6 years (Subchronic)

Chemical Name	CAS Number	0.00	Residual Leaching Pool #2	Residual Leaching Pool #2	0.00	0.00	0.00	0.00
		Chronic	Chronic	Subchronic	Subchronic	Subchronic	Subchronic	Subchronic
acenaphthene	83-32-9							
acetone	67-64-1							
anthracene	120-12-7							
antimony	7440-36-0		1.5E-11	7.3E-12				
arsenic	7440-38-2							
barium	7440-39-3							
benzene	71-43-2							
benzo(a)anthracene	56-55-3							
benzo(a)pyrene	50-32-8							
benzo(b)fluoranthene	205-99-2							
benzo(k)fluoranthene	207-08-9							
benzo(ghi)perylene	191-24-2							
cadmium	7440-43-9							
chloroform	67-66-3							
chromium (III)	16065-83-1		6.1E-09	3.1E-09				
chrysene	218-01-9							
dichloroethene, cis-1,2-	156-59-2							
fluoranthene	206-44-0							
fluorene	86-73-7							
lead	7439-92-1							
mercury	7439-97-6							
methylene chloride	75-09-2							
naphthalene	91-20-3							
nickel	7440-02-0		4.5E-09	2.2E-09				
phenanthrene	85-01-8							
pyrene	129-00-0							
selenium	7782-49-2		2.2E-11	1.1E-11				
silver	7440-22-4		3.9E-12	1.9E-12				
tetrachloroethene	127-18-4							
thallium	7440-28-0							
toluene	108-88-3							
trichloroethene	79-01-6							
zinc	7440-66-6		1.3E-09	6.4E-10				
total petroleum hydrocarbons	N/A							
di-n-butyl phthalate	84-74-2							
copper	7440-50-8		3.3E-09	1.6E-09				
carbon disulfide	75-15-0							
benzoic acid	65-85-0							

Prepared By:EAF
Reviewed By:
3 12 2007

Table 4.7
Calculation of Average Daily Exposure for Dust: Resident, Aged 6 to 13 Years (Chronic and Subchronic)

Formula: Average Daily Exposure (ADE) via inhalation (ihl) of dusts

$$ADE\text{-}ihl = \frac{[OHM\text{-}dust]*EF*ED*EP*C}{AP}$$

Unit: ADE, mg/cu m

Receptor: Trespasser, aged 6-13 years old (Chronic) and aged 6 years (Subchronic)

Description	Abbreviation	Unit	Default Value	Source	Site-Specific Value	Source / Description	Input Value
Exposure point concentration	[OHM-dust]	ug/cu. m.			See Dust EPC Table		See Dust EPC Table
Exposure frequency: # exposure events during EP / # days in EP	EF	events/year	365	7 days per week, 52 weeks per year, dust travels to residential properties)	182	7 days per week during a six-month construction project (presumes that dust travels to residential properties during construction period)	3.65E+02
Exposure duration: typical duration of each exposure event	ED	years/event	2.74E-03	1 day per event, or 1/365 of a year per event			2.74E-03
Exposure period: period of time over which exposure may occur	EP	years	7	chronic exposure from age 6 to 13 years	1.00E+00	subchronic exposure of 6 year old girl	7.00E+00
Unit Conversion Factor	C	mg/ug	1.00E-03	for inhalation			1.00E-03
Averaging Period	AP	years	7	chronic exposure from age 6 to 13 years	1.00E+00	subchronic exposure of 6 year old girl	7.00E+00

This table updates Appendix M Table M-2.2a of the Remedial Investigation / Feasibility Study

References:

[a] U.S. Environmental Protection Agency. 1995. Exposure Factors Handbook (Review Draft). EPA/600/P-95/002A.

Prepared By: EAF
Reviewed By:
3/12/2007

Table 4.8
Calculation of Average Daily Dose for Soil Exposure: Indoor, On-Site Worker (Chronic Exposure)

Receptor: On-Site Worker - Indoor (Chronic)									
	Exposure Point:	Residual Leaching Pool #2							
Chemical Name	CAS Number	Dermal Contact	Incidental Ingestion	Dermal Contact	Incidental Ingestion	Dermal Contact	Incidental Ingestion	Dermal Contact	Incidental Ingestion
acenaphthene	83-32-9								
acetone	67-64-1								
anthracene	120-12-7								
antimony	7440-36-0	2.65E-07	6.26E-08						
arsenic	7440-38-2								
barium	7440-39-3								
benzo(a)anthracene	56-55-3								
benzo(a)pyrene	50-32-8								
benzo(b)fluoranthene	205-99-2								
benzo(k)fluoranthene	207-08-9								
benzo(ghi)perylene	191-24-2								
bis(2-ethylhexyl)phthalate	117-81-7								
cadmium	7440-43-9								
chromium (III)	16065-83-1	4.41E-05	2.61E-05						
chromium (VI)	18540-29-9								
chrysene	218-01-9								
dichloroethene, cis-1,2-	156-59-2								
lead	7439-92-1								
mercury	7439-97-6								
methylene chloride	75-09-2								
2-methylnaphthalene	91-57-6								
naphthalene	91-20-3								
nickel	7440-02-0	2.84E-04	1.92E-05						
phenanthrene	85-01-8								
pyrene	129-00-0								
selenium	7782-49-2	7.78E-09	9.20E-08						
silver	7440-22-4	1.76E-07	1.66E-08						
tetrachloroethene	127-18-4								
thallium	7440-28-0								
toluene	108-88-3								
trichloroethene	79-01-6								
vinyl chloride	75-01-4								
zinc	7440-66-6	4.64E-06	5.50E-06						
total petroleum hydrocarbons	84-74-2								
di-n-butyl phthalate									
copper		5.94E-04	1.41E-05						
carbon disulfide									
benzoic acid									

This table updates Appendix M Table M-3.1a2 of the Remedial Investigation / Feasibility Study

Prepared By:EAF
Reviewed By:
3/12/2007

Table 4.8
Calculation of Average Daily Dose for Soil Exposure: Indoor, On-Site Worker (Chronic Exposure)

Formula: Daily Dose (ADD) for exposure to soils via ingestion (ing) and dermal contact

$$\text{ADD-dermal} = \frac{[\text{OHM-soil}]*SA*AF*RAF*EF*ED*EP*C}{BW*AP}$$

$$\text{ADD-ing} = \frac{[\text{OHM-soil}]*IR*RAF*EF*ED*EP*C}{BW*AP}$$

Unit: ADD, mg/kg/day

Receptor: Indoor Worker (eg, office worker)

Description	Abbreviation	Unit	Default Value	Source	Site-Specific Value	Source / Description	Input Value
Exposure point concentration	[OHM-soil]	mg/kg			See Soil EPC Table		See Soil EPC Table
Skin surface area in contact with soil on days exposed	SA	square centimeter/day	4225	[a], female worker who occasionally wears skirts and short sleeve shirts (25% of mean total body surface of an adult female)			4.23E+03
Mass of soil adhered to the unit surface area of skin exposed	AF	mg/sq. cm.	0.5	[a], sandy soils - large grain size			5.00E-01
Relative Absorption Factor	RAF	unitless	See RAF Table				See RAF Table
Exposure frequency: # exposure events during EP / # days in EP	EF	events/year	60	2 days/wk from April to October			6.00E+01
Exposure duration: typical duration of each exposure event	ED	years/event	2.74E-03	1 day per event or 1/365 of a year per event			2.74E-03
Exposure period: period of time over which exposure may occur	EP	years	27	ages 18-45 years			2.70E+01
Unit Conversion Factor	C	kg/mg	1.00E-06	for dermal contact			1.00E-06
Unit Conversion Factor	C	kg/mg	1.00E-06	for ingestion			1.00E-06
Body weight of the receptor during the AP	BW	kg	64.3	[a], average BW from 18-45 years old for females			6.43E+01
Averaging Period	AP	years	27	[a]			2.70E+01
Ingestion rate	IR	mg/day	50	[a]			5.00E+01

This table updates Appendix M Table M-3.1a2 of the Remedial Investigation / Feasibility Study

References:

[a] U.S. Environmental Protection Agency. 1995. Exposure Factors Handbook (Review Draft). EPA/600/P-95/002A.

Prepared By: EAF
Reviewed By:
3/12/2007

Table 4.9
Calculation of Average Daily Dose for Soil Exposure: Outdoor, On-Site Worker (Chronic Exposure)

Receptor: On-Site Worker - Outdoor (Chronic)									
	Exposure Point:	Residual Leaching/Pool #2		0.00E+00		0.00E+00		0.00E+00	
Chemical Name	CAS Number	Dermal Contact	Incidental Ingestion	Dermal Contact	Incidental Ingestion	Dermal Contact	Incidental Ingestion	Dermal Contact	Incidental Ingestion
acenaphthene	83-32-9								
acetone	67-64-1								
anthracene	120-12-7								
antimony	7440-36-0	7.20E-07	1.43E-06						
arsenic	7440-38-2								
barium	7440-39-3								
benzo(a)anthracene	56-55-3								
benzo(a)pyrene	50-32-8								
benzo(b)fluoranthene	205-99-2								
benzo(k)fluoranthene	207-08-9								
benzo(ghi)perylene	191-24-2								
bis(2-ethylhexyl)phthalate	117-81-7								
cadmium	7440-43-9								
chromium (III)	16065-83-1	1.20E-04	5.93E-04						
chromium (VI)	18540-29-9								
chrysene	218-01-9								
dichloroethene, cis-1,2-	156-59-2								
fluoranthene	206-44-0								
fluorene	86-73-7								
lead	7439-92-1								
mercury	7439-97-6								
methylene chloride	75-09-2								
2-methylnaphthalene	91-57-6								
naphthalene	91-20-3								
nickel	7440-02-0	7.72E-04	4.36E-04						
phenanthrene	85-01-8								
pyrene	129-00-0								
selenium	7782-49-2	2.12E-08	2.09E-06						
silver	7440-22-4	4.78E-07	3.78E-07						
tetrachloroethene	127-18-4								
thallium	7440-28-0								
toluene	108-88-3								
trichloroethene	79-01-6								
vinyl chloride	75-01-4								
xylenes	1330-20-7								
zinc	7440-66-6	1.26E-05	1.25E-04						
total petroleum hydrocarbons	N/A								
di-n-butyl phthalate	84-74-2								
copper	7440-50-8	1.62E-03	3.20E-04						
carbon disulfide	75-15-0								
benzoic acid	65-85-0								

Prepared By:
Reviewed By:
3/12/2007

Table 4.9
Calculation of Average Daily Dose for Soil Exposure: Outdoor, On-Site Worker (Chronic Exposure)

Formula: Daily Dose (ADD) for exposure to soils via ingestion (ing) and dermal contact

$$\text{ADD-dermal} = \frac{[\text{OHM-soil}]*SA*AF*RAF*EF*ED*EP*C}{BW*AP}$$

$$\text{ADD-ing} = \frac{[\text{OHM-soil}]*IR*RAF*EF*ED*EP*C}{BW*AP}$$

Unit: ADD, mg/kg/day

Receptor: Outdoor worker (eg, landscapers, nursery operators, landfill operators, and quarry operators

Description	Abbreviation	Unit	Default Value	Source	Site-Specific Value	Source / Description	Input Value
Exposure point concentration	[OHM-soil]	mg/kg			See Soil EPC Table		See Soil EPC Table
Skin surface area in contact with soil on days exposed	SA	square centimeter/day	4.85E+03	[a], male worker - 25% of mean total body surface area			4.85E+03
Mass of soil adhered to the unit surface area of skin exposed	AF	mg/sq. cm.	5.00E-01	[a], sandy soils - large grain size			5.00E-01
Relative Absorption Factor	RAF	unitless	See RAF Table				See RAF Table
Exposure frequency: # exposure events during EP / # days in EP	EF	events/year	1.73E+02	5 days/wk from March to November minus 24 days due to weather, vacations, etc.			1.73E+02
Exposure duration: typical duration of each exposure event	ED	years/event	2.74E-03	1 day per event or 1/365 of a year			2.74E-03
Exposure period: period of time over which exposure may occur	EP	years	2.70E+01	ages 18-45 years			2.70E+01
Unit Conversion Factor	C	kg/mg	1.00E-06	for dermal contact			1.00E-06
Unit Conversion Factor	C	kg/mg	1.00E-06	for ingestion			1.00E-06
Body weight of the receptor during the AP	BW	kg	7.82E+01	[a], average BW from 18-45 years old for males			7.82E+01
Averaging Period	AP	years	2.70E+01	chronic exposure period			2.70E+01
Ingestion rate	IR	mg/day	4.80E+02	[a]			4.80E+02

This table updates Appendix M Table M-3.1a1 of the Remedial Investigation / Feasibility Study

References:

[a] U.S. Environmental Protection Agency. 1995. Exposure Factors Handbook (Review Draft). EPA/600/P-95/002A.

Prepared By:
Reviewed By:
3/12/2007

Table 4.10
Calculation of Average Daily Exposure for Dust: Outdoor, On-Site Worker (Chronic Exposure)

Receptor: On-site Worker - Outdoor (Chronic)								
Chemical Name	**CAS Number**	**On-Site Surface Soils**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
acenaphthene	83-32-9							
acetone	67-64-1							
anthracene	120-12-7							
antimony	7440-36-0	7.0E-12						
arsenic	7440-38-2							
barium	7440-39-3							
benzo(a)anthracene	56-55-3							
benzo(a)pyrene	50-32-8							
benzo(b)fluoranthene	205-99-2							
benzo(k)fluoranthene	207-08-9							
benzo(ghi)perylene	191-24-2							
bis(2-ethylhexyl)phthalate	117-81-7							
cadmium	7440-43-9							
chromium (III)	16065-83-1	2.9E-09						
chromium (VI)	18540-29-9							
chrysene	218-01-9							
dichloroethene, cis-1,2-	156-59-2							
fluoranthene	206-44-0							
fluorene	86-73-7							
lead	7439-92-1							
mercury	7439-97-6							
methylene chloride	75-09-2							
2-methylnaphthalene	91-57-6							
naphthalene	91-20-3							
nickel	7440-02-0	2.1E-09						
phenanthrene	85-01-8							
polychlorinated biphenyls	1336-36-3							
pyrene	129-00-0							
selenium	7782-49-2	1.0E-11						
silver	7440-22-4	1.8E-12						
tetrachloroethene	127-18-4							
thallium	7440-28-0							
toluene	108-88-3							
trichloroethene	79-01-6							
zinc	7440-66-6	6.1E-10						
total petroleum hydrocarbons	84-74-2							
di-n-butyl phthalate								
copper		1.6E-09						
carbon disulfide								
benzoic acid								

Prepared By:EAF
Reviewed By:
3/12/2007

Table 4.10
Calculation of Average Daily Exposure for Dust: Outdoor, On-Site Worker (Chronic Exposure)

Formula: Average Daily Exposure (ADE) via inhalation (ihl) of dusts

$$ADE\text{-}ihl = \frac{[OHM\text{-}dust]*EF*ED*EP*C}{AP}$$

Unit: ADE, mg/cu m

Receptor: Outdoor worker (eg, landscapers, nursery operators, landfill operators, miners, and quarry operators

Description	Abbreviation	Unit	Default Value	Source	Site-Specific Value	Source / Description	Input Value
Exposure point concentration	[OHM-dust]	ug/cu. m.			See Dust EPC Table		See Dust EPC Table
Exposure frequency: # exposure events during EP / # days in EP	EF	events/year	173	5 days/wk from March to November minus 24 days due to weather, vacations, etc.			1.73E+02
Exposure duration: typical duration of each exposure event	ED	years/event	2.74E-03	1 day per event or 1/365 of a year			2.74E-03
Exposure period: period of time over which exposure may occur	EP	years	27	ages 18-45 years			2.70E+01
Unit Conversion Factor	C	mg/ug	1.00E-03	for inhalation			1.00E-03
Averaging Period	AP	years	27	chronic exposure			2.70E+01

This table updates Appendix M Table M-3.2a of the Remedial Investigation / Feasibility Study

Prepared By:EAF
Reviewed By:
3 12 2007

Table 4.11
Calculation of Average Daily Dose for Potable Water Exposure: Resident (Chronic Exposure)

Receptor: Resident, aged 1 to 6 years (Chronic) and aged 1 year (Subchronic)									
	Exposure Point:	Future Drinking Water		0.00E+00		0.00E+00			
Chemical Name	CAS Number	Dermal Contact	Ingestion	Dermal Contact	Ingestion	Dermal Contact	Ingestion	Dermal Contact	Ingestion
		Chronic		Chronic		Chronic		Subchronic	
chromium (total)	7440-47-3								
chromium (VI)	18540-29-9	2.88E-08	1.32E-04						
nickel	7440-02-0	1.50E-09	1.53E-03						
zinc	7440-66-6	1.37E-08	2.08E-04						
copper	7440-50-8	3.19E-08	9.72E-05						

Formula: Average Daily Dose (ADD) for exposure to potable water via ingestion (ing) and dermal contact

$$\text{ADD-ing} = \frac{[\text{OHM-water}]*VI*RAF*EF*ED*EP*C}{BW*AP}$$

$$\text{ADD-dermal} = \frac{[\text{OHM-water}]*SA*Kp*RAF*EF*ED*EP*C}{BW*AP}$$

Unit: ADD, mg/kg/day

Receptor: Resident, aged 1-6 years (Chronic) and aged 1 year (Subchronic)

Description	Abbreviation	Unit	Default Value	Source	Site-Specific Value	Source / Description	Input Value
Exposure point concentration	[OHM-water]	mg/liter			See Surface Water EPC Table		See Surface Water EPC Table
Body Surface Area	SA	square centimeters	6563	[2], surface area for 1 to 6 year old child (Chronic)	5243	[2], surface area for 1 year old child (Subchronic)	6.56E+03
Relative Absorption Factor: Ingestion	RAF	unitless	See RAF Table				See RAF Table
Relative Absorption Factor: Dermal Contact	RAF	unitless	See RAF Table				See RAF Table
Permeability Coefficient for dermal contact	Kp	cm/hr	See Kp Table				See Kp Table
Exposure frequency: # exposure events during EP / # days in EP	EF	events/year	365	[1], every day per year, 365 days out of 365 days			3.65E+02
Exposure duration: typical duration of each exposure event for ingestion	ED	years/event	2.74E-03	1/365 of a year per event			2.74E-03
Exposure duration: typical duration of each exposure event for dermal contact	ED	years/event	2.85E-05	1/4 hour per day per event or 1/4/24/1/365 of a year per event			2.85E-05
Exposure period: period of time over which exposure may occur	EP	years	5	[1], child, aged 1 to 6 years	1.0	subchronic exposure of 1 year old boy or girl (Subchronic)	5.00E+00
Unit Conversion Factor	C		1.00E+00	for ingestion			1.00E+00
Unit Conversion Factor	C		2.40E-02	for dermal contact: 1E-03 L per cu cm * 24 hours per day			2.40E-02
Body weight of the receptor during the AP	BW	kg	15.01	[2], child, aged 1 to 6 years	1.12E+01	[2], child, aged 1 year	1.50E+01
Averaging Period	AP	years	5	[1]	1.0	subchronic exposure of 1 year old boy or girl	5.00E+00
Volume of drinking water ingested	VI	liters/day	1	[1], age 1-6 years			1.00E+00

References:

[1] MADEP's Draft Commercial / Industrial ShortForm Exposure Scenarios for Human Exposures at Industrial/Commercial Properties

[2] MADEP's Guidance for Disposal Site Risk Characterization in Support of the Massachusetts Contingency Plan, Interim Final Policy BWSC/ORS-95-141

[3] MADEP's Background Documentation for the Development of the MCP Numerical Standards, April, 1994

Table 5.1
Calculation of Hazard Index (HI) for Exposure to Soil: On-Site, Indoor Worker (Subchronic)

Receptor: On-Site Worker - Indoor (Subchronic)

Exposure Point:		Residual Leaching Pool #1			Residual Leaching Pool #2			Residual Leaching Pool: Deeper #1			Residual Leaching Pool: Deeper #2		
Chemical Name	CAS Number	Dermal Contact	Incidental Ingestion	Fugitive Dust Inhalation	Dermal Contact	Incidental Ingestion	Fugitive Dust Inhalation	Dermal Contact	Incidental Ingestion	Fugitive Dust Inhalation	Dermal Contact	Incidental Ingestion	Fugitive Dust Inhalation
		Mean			95% Upper Confidence Limit			Mean			95% Upper Confidence Limit		
acenaphthene	83-32-9												
acetone	67-64-1												
anthracene	120-12-7												
antimony	7440-36-0	6.1E-04	1.4E-04		6.1E-04	1.4E-04		6.1E-04	1.4E-04		6.1E-04	1.4E-04	
arsenic	7440-38-2												
barium	7440-39-3												
benzo(a)anthracene	56-55-3												
benzo(a)pyrene	50-32-8												
benzo(b)fluoranthene	205-99-2												
benzo(k)fluoranthene	207-08-9												
benzo(ghi)perylene	191-24-2												
bis(2-ethylhexyl)phthalate	117-81-7												
cadmium	7440-43-9												
chromium (III)	16065-83-1	2.7E-05	1.6E-05		4.1E-05	2.4E-05							
chromium (VI)	18540-29-9												
chrysene	218-01-9												
dichloroethene, cis-1,2-	156-59-2												
fluoranthene	206-44-0												
fluorene	86-73-7												
lead	7439-92-1												
mercury	7439-97-6												
methylene chloride	75-09-2												
2-methylnaphthalene	91-57-6												
naphthalene	91-20-3												
nickel	7440-02-0	8.7E-03	5.9E-04		1.3E-02	8.8E-04		2.5E-03	1.7E-04		3.2E-03	2.2E-04	
phenanthrene	85-01-8												
pyrene	129-00-0												
selenium	7782-49-2	1.4E-06	1.7E-05		1.4E-06	1.7E-05		1.4E-06	1.7E-05		1.4E-06	1.7E-05	
silver	7440-22-4	3.2E-05	3.1E-06		3.2E-05	3.1E-06		3.2E-05	3.1E-06		3.2E-05	3.1E-06	
tetrachloroethene	127-18-4												
thallium	7440-28-0												
toluene	108-88-3												
vinyl chloride	75-01-4												
zinc	7440-66-6	1.0E-05	1.2E-05		1.4E-05	1.7E-05		3.3E-05	3.9E-05		3.3E-05	3.9E-05	
total petroleum hydrocarbons	N/A												
di-n-butyl phthalate	84-74-2												
copper	7440-50-8	1.1E-02	2.6E-04		1.5E-02	3.5E-04		6.3E-03	1.5E-04		7.9E-03	1.9E-04	
carbon disulfide	75-15-0												
benzoic acid	65-85-0												
Total HI: Route and Expos. Pt.		2.0E-02	1.0E-03		2.8E-02	1.4E-03		9.5E-03	5.2E-04		1.2E-02	6.1E-04	
Proportion of complete exposure point			1.0E+00			1.0E+00			1.0E+00			1.0E+00	
Adjusted Total HI: Route and Expos. Pt.		2.0E-02	1.0E-03		2.8E-02	1.4E-03		9.5E-03	5.2E-04		1.2E-02	6.1E-04	
Total HI: Expos. Pt.			2.2E-02			3.0E-02			1.0E-02			1.2E-02	

Formula:

Cumulative HI = $\sum HI_{ingestion\ -\ chemical specific} + \sum HI_{dermal contact\ -\ chemical specific} + \sum HI_{inhalation: chemical\ -\ specific}$

HI ingestion-chemical specific = ADD-ingestion-chemical specific x Oral Reference Dose-chemical specific
HI dermal contact-chemical specific = ADD-dermal contact-chemical specific x Oral Reference Dose-chemical specific
HI ingestion-chemical specific = ADE-inhalation-chemical specific x Inhalation Reference Concentration-inhalation-chemical specific

HI = Hazard Index, unitless
ADD = Average Daily Dose, mg/kg/day
ADE = Average Daily Exposure, mg/cu m

This table updates Appendix R Table R-4.2 of the Remedial Investigation / Feasibility Study.
Based on results of inhalation risk estimation for outdoor on-site worker, for the indoor on-site worker, exposure to OHM of fugitive dust is highly likely to be insignificant relative to direct contact exposure.

Prepared By:EAF
Reviewed By:
3/12/2007

Table 5.2
Calculation of Hazard Index (HI) for Exposure to Soil and Dust: On-Site, Outdoor Worker (Subchronic)

Receptor: On-Site Worker - Outdoor (Subchronic)													
	Exposure Point:	Residual Leaching Pool #1			Residual Leaching Pool #2			Residual Leaching Pool: Deeper #1			Residual Leaching Pool: Deeper #2		
Chemical Name	CAS Number	Dermal	Incidental	Fugitive	Dermal	Incidental	Fugitive	Dermal	Incidental	Fugitive	Dermal	Incidental	Fugitive
		Mean			95% Upper Confidence Limit			Mean			95% Upper Confidence Limit		
acenaphthene	83-32-9												
acetone	67-64-1												
anthracene	120-12-7												
antimony	7440-36-0	1.4E-03	2.8E-03	3.7E-09	1.4E-03	2.8E-03	3.7E-09	1.4E-03	2.8E-03	3.7E-09	1.4E-03	2.8E-03	3.7E-09
arsenic	7440-38-2												
barium	7440-39-3												
benzo(a)anthracene	56-55-3												
benzo(a)pyrene	50-32-8												
benzo(b)fluoranthene	205-99-2												
benzo(k)fluoranthene	207-08-9												
benzo(ghi)perylene	191-24-2												
bis(2-ethylhexyl)phthalate	117-81-7												
cadmium	7440-43-9												
chromium (III)	16065-83-1	6.4E-05	3.2E-04	2.8E-10	9.5E-05	4.7E-04	4.1E-10						
chromium (VI)	18540-29-9												
chrysene	218-01-9												
dichloroethene, cis-1,2-	156-59-2												
fluoranthene	206-44-0												
fluorene	86-73-7												
lead	7439-92-1												
mercury	7439-97-6												
methylene chloride	75-09-2												
2-methylnaphthalene	91-57-6												
naphthalene	91-20-3												
nickel	7440-02-0	2.0E-02	1.2E-02	1.5E-08	3.1E-02	1.7E-02	2.3E-08	5.9E-03	3.4E-03	4.4E-09	7.6E-03	4.3E-03	5.6E-09
phenanthrene	85-01-8												
pyrene	129-00-0												
selenium	7782-49-2	3.4E-06	3.3E-04	4.3E-10	3.4E-06	3.3E-04	4.3E-10	3.4E-06	3.3E-04	4.3E-10	3.4E-06	3.3E-04	4.3E-10
silver	7440-22-4	7.6E-05	6.0E-05	7.7E-11	7.6E-05	6.0E-05	7.7E-11	7.6E-05	6.0E-05	7.7E-11	7.6E-05	6.0E-05	7.7E-11
tetrachloroethene	127-18-4												
thallium	7440-28-0												
toluene	108-88-3												
trichloroethene	79-01-6												
vinyl chloride	75-01-4												
zinc	7440-66-6	2.4E-05	2.4E-04	3.0E-10	3.4E-05	3.3E-04	4.2E-10	7.8E-05	7.7E-04	9.7E-10	7.8E-05	7.7E-04	9.7E-10
total petroleum	N/A												
di-n-butyl phthalate	84-74-2												
copper	7440-50-8	2.6E-02	5.2E-03	6.8E-09	3.5E-02	6.9E-03	9.0E-09	1.5E-02	2.9E-03	3.9E-09	1.9E-02	3.7E-03	4.8E-09
carbon disulfide	75-15-0												
benzoic acid	65-85-0												
Total HI: Route and Expos. Pt.		4.8E-02	2.1E-02	2.7E-08	6.7E-02	2.8E-02	3.7E-08	2.2E-02	1.0E-02	1.4E-08	2.8E-02	1.2E-02	1.6E-08
Proportion of complete exposure point			1.0E+00			1.0E+00			1.0E+00			1.0E+00	
Adjusted Total HI: Route and Expos. Pt.		4.8E-02	2.1E-02	2.7E-08	6.7E-02	2.8E-02	3.7E-08	2.2E-02	1.0E-02	1.4E-08	2.8E-02	1.2E-02	1.6E-08
Total HI: Expos. Pt.			6.9E-02			9.5E-02			3.3E-02			4.0E-02	

Formula:

Cumulative HI = $\sum HI_{ingestion\ -\ chemical\ specific} + \sum HI_{dermal\ contact\ -\ chemical\ specific} + \sum HI_{inhalation:\ chemical\ -\ specific}$

HI ingestion-chemical specific = ADD-ingestion-chemical specific x Oral Slope Factor-chemical specific
HI dermal contact-chemical specific = ADD-dermal contact-chemical specific x Oral Slope Factor-chemical specific
HI ingestion-chemical specific = ADE-inhalation-chemical specific x Unit Risk-inhalation-chemical specific

HI = Hazard Index, unitless
ADD = Average Daily Dose, mg/kg/day
ADE = Average Daily Exposure, mg/cu m

This table updates Appendix R Table R-4.1 of the Remedial Investigation / Feasibility Study.

Prepared By:EAF
Reviewed By:
3/20/2007

Table 5.3
Calculation of Hazard Index (HI) for Exposure to Soil and Dust: Resident (Chronic and Subchronic Risks)

Receptor: Resident, aged 1-6 years and aged 1 year		Chronic			Chronic			Chronic			Subchronic		
Exposure Point:		Off-Site Residential			0.0E+00			0.0E+00			Off-Site Residential		
Chemical Name	CAS Number	Dermal Contact	Incidental Ingestion	Fugitive Dust Inhalation	Dermal Contact	Incidental Ingestion	Fugitive Dust Inhalation	Dermal Contact	Incidental Ingestion	Fugitive Dust Inhalation	Dermal Contact	Incidental Ingestion	Fugitive Dust Inhalation
acetone	67-64-1	5.2E-07	5.3E-07	6.8E-13							6.0E-08	7.4E-08	6.8E-13
antimony	7440-36-0	9.7E-03	9.8E-03	1.3E-08							1.1E-02	1.4E-02	1.3E-08
cadmium	7440-43-9	6.3E-03	4.6E-03	5.7E-09							7.3E-03	6.4E-03	5.7E-09
chromium (III)	16065-83-1	1.0E-04	2.6E-04	3.3E-10							1.8E-04	5.4E-04	3.3E-10
lead	7439-92-1	7.6E-03	6.4E-02	2.9E-07							8.8E-03	9.0E-02	2.9E-07
mercury	7439-97-6	7.3E-04	1.5E-03	6.7E-09							8.4E-05	2.1E-04	6.7E-09
methylene chloride	75-09-2	1.1E-07	1.2E-07	1.0E-14							1.3E-07	1.6E-07	1.0E-14
nickel	7440-02-0	2.0E-02	5.7E-03	7.4E-09							2.3E-02	8.0E-03	7.4E-09
selenium	7782-49-2	3.6E-06	1.8E-04	2.3E-10							4.2E-06	2.6E-04	2.3E-10
silver	7440-22-4	1.5E-04	6.1E-05	7.7E-11							1.7E-04	8.5E-05	7.7E-11
zinc	7440-66-6	1.7E-04	8.8E-04	1.1E-09							2.0E-04	1.2E-03	1.1E-09
copper	7440-50-8	1.2E-01	1.2E-02	1.6E-08							1.4E-01	1.7E-02	1.6E-08
Total HI: Route and Expos. Pt.		1.7E-01	9.9E-02	3.4E-07	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	1.9E-01	1.4E-01	3.4E-07
Proportion of complete exposure point			1.0E+00			1.0E+00			1.0E+00			1.0E+00	
Adjusted Total HI: Route and Expos. Pt.		1.7E-01	9.9E-02	3.4E-07	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	1.9E-01	1.4E-01	3.4E-07
Total HI: Expos. Pt.			2.7E-01			0.0E+00			0.0E+00			3.3E-01	

Formula:

Cumulative HI = $\sum HI_{ingestion\ -\ chemicalspecific} + \sum HI_{dermalcontact\ -\ chemicalspecific} + \sum HI_{inhalation:chemical\ -\ specific}$

HI ingestion-chemical specific = ADD-ingestion-chemical specific x Oral Slope Factor-chemical specific
HI dermal contact-chemical specific = ADD-dermal contact-chemical specific x Oral Slope Factor-chemical specific
HI inhalation-chemical specific = ADE-inhalation-chemical specific x Unit Risk-inhalation-chemical specific

HI = Hazard Index, unitless
ADD = Average Daily Dose, mg/kg/day
ADE = Average Daily Exposure, mg/cu m

Total HI for Subchronic Exposu	3.3E-01
Total HI for Chronic Exposures	2.7E-01

This table updates Appendix R Table R-1.1 of the Remedial Investigation / Feasibility Study

Subchronic Oral Reference Dose		X
Chronic Oral Reference Dose	X	
Subchronic Inhalation Reference Concentration		X
Chronic Inhalation Reference Concentration	X	

Use capital X to indicate selection

Prepared By: EAF
Reviewed By:
3/12/2007

Table 5.4
Calculation of Hazard Index for Consumption of Home-Grown Produce: Resident, Aged 1 to 6 Years (Chronic and Subchronic Risk)

Receptor: Resident, aged 1 to 6 years									
	Exposure Point:	Off-Site Residential						Off-Site Residential	
Chemical Name	CAS Number	Soil Exposure Point Concentration	HI	Soil Exposure Point Concentration	HI	Soil Exposure Point Concentration	HI	Soil Exposure Point Concentration	HI
		Chronic		Chronic		Chronic		Subchronic	
cadmium	7440-43-9	8.20E-01	3.32E-02					8.20E-01	6.79E-02
chromium (III)	16065-83-1	1.40E+02	3.55E-03					1.40E+02	1.09E-02
lead	7439-92-1	3.46E+01	2.17E-02					3.46E+01	4.44E-02
mercury	7439-97-6	1.60E-01	4.26E-04					1.60E-01	8.73E-05
nickel	7440-02-0	4.10E+01	5.01E-02					4.10E+01	1.03E-01
silver	7440-22-4	1.10E-01	8.28E-04					1.10E-01	1.69E-03
zinc	7440-66-6	9.51E+01	1.19E-02					9.51E+01	2.44E-02
Total HI: Route and Expos. Pt.			1.2E-01		0.0E+00		0.0E+00		2.5E-01
Proportion of Complete Exposure Point			1.0E+00		1.0E+00		1.0E+00		1.0E+00
Total HI: Route and Expos. Pt.			1.2E-01		0.0E+00		0.0E+00		2.5E-01
Total HI Ingestion of Garden Produce (Chronic)		1.2E-01							
Total HI Ingestion of Garden Produce (Subchronic)		2.5E-01							

Formula: Hazard Index (HI) for consumption of garden produce

$$HI = \frac{HIM * [OHM\text{-}soil] * RAF}{RfD}$$

Unit: HI, unitless

Receptor: Resident, aged 1-6 years

Description	Abbreviation	Unit	Default Value	Source	Site-Specific Value	Source / Description	Input Value
Exposure point concentration	[OHM-soil]	mg/kg			Provided above		Provided above
Gardening Multiplier:	CHIM or SHIM =	[HGFI * Ksp * D2 * C / BW / AP					
Subchronic	SHIM	1/day	4.04E-05	for PAHs			4.04E-05
Chronic	CHIM	1/day	1.97E-05	for PAHs			1.97E-05
Subchronic	SHIM	1/day	3.66E-05	for PCBs			3.66E-05
Chronic	CHIM	1/day	1.79E-05	for PCBs			1.79E-05
Subchronic	SHIM	1/day	3.85E-06	for arsenic			3.85E-06
Chronic	CHIM	1/day	1.88E-06	for arsenic			1.88E-06
Subchronic	SHIM	1/day	4.14E-05	for cadmium			4.14E-05
Chronic	CHIM	1/day	2.02E-05	for cadmium			2.02E-05
Subchronic	SHIM	1/day	7.80E-05	for chromium			7.80E-05
Chronic	CHIM	1/day	3.81E-05	for chromium			3.81E-05
Subchronic	SHIM	1/day	9.63E-07	for lead			9.63E-07
Chronic	CHIM	1/day	4.70E-07	for lead			4.70E-07
Subchronic	SHIM	1/day	5.01E-05	for nickel			5.01E-05
Chronic	CHIM	1/day	2.45E-05	for nickel			2.45E-05
Subchronic	SHIM	1/day	1.64E-06	for mercury			1.64E-06
Chronic	CHIM	1/day	7.99E-07	for mercury			7.99E-07
Subchronic	SHIM	1/day	7.70E-05	for silver			7.70E-05
Chronic	CHIM	1/day	3.76E-05	for silver			3.76E-05
Subchronic	SHIM	1/day	7.70E-05	for zinc			7.70E-05
Chronic	CHIM	1/day	3.76E-05	for zinc			3.76E-05
Subchronic	SHIM	1/day	3.85E-07	for thallium			3.85E-07
Chronic	CHIM	1/day	1.88E-07	for thallium			1.88E-07

Prepared By:
Reviewed By:
3/12/2007

Table 5.4
Calculation of Hazard Index for Consumption of Home-Grown Produce: Resident, Aged 1 to 6 Years (Chronic and Subchronic Risk)

Home Grown Food Intake	HGFI	g/day	0.71	[a], value for 1-5 year old child (chronic)	1.04E+00	[a], value for 1-2 year old child (subchronic)	7.10E-01
Duration of exposure period	D2	year	5	chronic	1.00	subchronic exposure during one-year period	5.00E+00
Averaging Period	AP	year	5	chronic	1.00	subchronic exposure during one-year period	5.00E+00
Steady State Partitioning Coefficient	Ksp	mg/kg	0.42	[1], Value for PAH median value used			4.20E-01
			0.38	[1], value for PCBs leafy green vegetables			
			0.04	[1], value for arsenic - leafy green vegetables			
			0.43	[1], value for cadmium - leafy green vegetables			
			0.81	[1], value for chromium - beans and peas			
			0.01	[1], value for lead - corn			
			0.52	[1], value for nickel - root vegetables			
			0.017	[1], value for mercury - root vegetables			
			0.8	[1], value for silver all vegetables			
			0.8	[1], value for zinc - leafy green vegetables			
			0.004	[1], value for thallium - all vegetables			
Body weight	BW	kg	15.1	[a], chronic, 1-6 year old girl	10.80	[a], subchronic exposure to 1 year old	1.51E+01
Conversion factor	C	kg/g	1.00E-03	[1]			1.00E-03
Relative Absorption Factor	RAF	unitless	1				1.00E+00
Oral Reference Dose	RfD	mg/kg/day	see Oral RfD Table				see Oral RfD Table

References:

[1] MADEP's Guidance for Disposal Site Risk Characterization in Support of the Massachusetts Contingency Plan, Interim Final Policy BWSC/ORS-95-141

[a] U.S. Environmental Protection Agency. 1995. Exposure Factors Handbook (Review Draft). EPA/600/P-95/002A.

Notes:

1 For each metal, the maximum plant uptake factor, which are provided on Table 6B of the text, was used as steady-state partitioning coefficient.

2 Homegrown food intake rate for one-year old child: =(5.2 g/kg/day) * (100 -W)/100), where W equals percent water content.
1.04 g/kg/day (dry weight)

3 Homegrown food intake rate for 1-5 year old child: =(3.56 g/kg/day) * (100 -W)/100), where W equals percent water content.
0.71 g/kg/day (dry weight)

4 This table updates Appendix R Table R-1.2 of the Remedial Investigation / Feasibility Study

Prepared By:
Reviewed By:
3/12/2007

Table 5.5
Calculation of Hazard Index (HI) for Exposure to Soil and Dust: Trespasser, Aged 6 to 13 Years (Chronic and Subchronic Risks)

Receptor: Trespasser, aged 6-13 years and aged 6 years		Chronic			Chronic			Subchronic			Subchronic		
Exposure Point:					Residual Leaching Pool #2			Residual Leaching Pool #2			0.0E+00		
Chemical Name	CAS Number	Dermal Contact	Incidental Ingestion	Fugitive Dust Inhalation	Dermal Contact	Incidental Ingestion	Fugitive Dust Inhalation	Dermal Contact	Incidental Ingestion	Fugitive Dust Inhalation	Dermal Contact	Incidental Ingestion	Fugitive Dust Inhalation
					Chronic: 95% Upper Confidence Limit			Subchronic: 95% Upper Confidence Limit			0.0E+00		
acenaphthene	83-32-9												
acetone	67-64-1												
anthracene	120-12-7												
antimony	7440-36-0				1.3E-04	3.9E-05	1.1E-08	5.1E-04	2.0E-04	5.2E-09			
arsenic	7440-38-2												
barium	7440-39-3												
benzene	71-43-2												
benzo(a)anthracene	56-55-3												
benzo(a)pyrene	50-32-8												
benzo(b)fluoranthene	205-99-2												
benzo(k)fluoranthene	207-08-9												
benzo(ghi)perylene	191-24-2												
bis(2-ethylhexyl)phthalate	117-81-7												
cadmium	7440-43-9												
chloroform	67-66-3												
chromium (III)	16065-83-1				5.9E-06	4.4E-06	1.2E-09	2.3E-05	2.2E-05	5.8E-10			
chromium (VI)	18540-29-9												
chrysene	218-01-9												
dichloroethene, cis-1,2-	156-59-2												
fluoranthene	206-44-0												
fluorene	86-73-7												
lead	7439-92-1												
mercury	7439-97-6												
methyl ethyl ketone	78-93-3												
methyl isobutyl ketone	108-10-1												
methylene chloride	75-09-2												
naphthalene	91-20-3												
nickel	7440-02-0				2.9E-03	2.4E-04	6.4E-08	1.1E-02	1.2E-03	3.2E-08			
phenanthrene	85-01-8												
pyrene	129-00-0												
selenium	7782-49-2				3.1E-07	4.6E-06	1.2E-09	1.2E-06	2.3E-05	6.0E-10			
silver	7440-22-4				7.1E-06	8.4E-07	2.2E-10	2.7E-05	4.2E-06	1.1E-10			
tetrachloroethene	127-18-4												
thallium	7440-28-0												
toluene	108-88-3												
trichloroethene	79-01-6												
zinc	7440-66-6				3.1E-06	4.6E-06	1.2E-09	1.2E-05	2.3E-05	5.8E-10			
total petroleum hydrocarbons	N/A												
di-n-butyl phthalate	84-74-2												
copper	7440-50-8				3.2E-03	9.5E-05	2.5E-08	1.2E-02	4.8E-04	1.3E-08			
carbon disulfide	75-15-0												
benzoic acid	65-85-0												
Total HI: Route and Expos. Pt.		0.0E+00	0.0E+00	0.0E+00	6.2E-03	3.9E-04	1.0E-07	2.4E-02	2.0E-03	5.2E-08	0.0E+00	0.0E+00	0.0E+00
Proportion of complete exposure point			1.0E+00			1.0E+00			1.0E+00			1.0E+00	
Adjusted Total HI: Route and Expos. Pt.		0.0E+00	0.0E+00	0.0E+00	6.2E-03	3.9E-04	1.0E-07	2.4E-02	2.0E-03	5.2E-08	0.0E+00	0.0E+00	0.0E+00
Total HI: Expos. Pt.			0.0E+00			6.6E-03			2.6E-02			0.0E+00	

Formula:

Cumulative HI = $\sum HI_{ingestion\text{-}chemicalspecific} + \sum HI_{dermalcontact\text{-}chemicalspecific} + \sum HI_{inhalation:chemical\text{-}specific}$

HI ingestion-chemical specific = ADD-ingestion-chemical specific x Oral Slope Factor-chemical specific
HI dermal contact-chemical specific = ADD-dermal contact-chemical specific x Oral Slope Factor-chemical specific
HI inhalation-chemical specific = ADE-inhalation-chemical specific x Unit Risk-inhalation-chemical specific

Total HI for Subchronic Exposures	
Total HI for Chronic Exposures	3.2E-02

HI = Hazard Index, unitless
ADD = Average Daily Dose, mg/kg/day
ADE = Average Daily Exposure, mg/cu m

This table updates Appendix R Table R-2.1 of the Remedial Investigation / Feasibility Study

Subchronic Oral Reference Dose		X
Chronic Oral Reference Dose	X	
Subchronic Inhalation Reference Concentration		X
Chronic Inhalation Reference Concentration	X	

Use capital X to indicate selection

Prepared By:EAF
Reviewed By:
3/12/2007

Table 5.6
Calculation of Hazard Index (HI) for Exposure to Soil: Indoor, On-Site Worker (Chronic Risk Estimate)

Receptor: On-Site Worker - Indoor (Chronic)

	Exposure Point:	Residual Leaching Pool #2			0.0E+00			0.0E+00			0.0E+00		
Chemical Name	CAS Number	Dermal Contact	Incidental Ingestion	Fugitive Dust Inhalation	Dermal Contact	Incidental Ingestion	Fugitive Dust Inhalation	Dermal Contact	Incidental Ingestion	Fugitive Dust Inhalation	Dermal Contact	Incidental Ingestion	Fugitive Dust Inhalation
acenaphthene	83-32-9												
acetone	67-64-1												
anthracene	120-12-7												
antimony	7440-36-0	6.6E-04	1.6E-04										
arsenic	7440-38-2												
barium	7440-39-3												
benzo(a)anthracene	56-55-3												
benzo(a)pyrene	50-32-8												
benzo(b)fluoranthene	205-99-2												
benzo(k)fluoranthene	207-08-9												
benzo(ghi)perylene	191-24-2												
bis(2-ethylhexyl)phthalate	117-81-7												
cadmium	7440-43-9												
chromium (III)	16065-83-1	2.9E-05	1.7E-05										
chromium (VI)	18540-29-9												
chrysene	218-01-9												
dichloroethene, cis-1,2-	156-59-2												
fluoranthene	206-44-0												
fluorene	86-73-7												
lead	7439-92-1												
mercury	7439-97-6												
methylene chloride	75-09-2												
2-methylnaphthalene	91-57-6												
naphthalene	91-20-3												
nickel	7440-02-0	1.4E-02	9.6E-04										
phenanthrene	85-01-8												
pyrene	129-00-0												
selenium	7782-49-2	1.6E-06	1.8E-05										
silver	7440-22-4	3.5E-05	3.3E-06										
tetrachloroethene	127-18-4												
thallium	7440-28-0												
toluene	108-88-3												
trichloroethene	79-01-6												
vinyl chloride	75-01-4												
zinc	7440-66-6	1.5E-05	1.8E-05										
total petroleum hydrocarbons	N/A												
di-n-butyl phthalate	84-74-2												
copper	7440-50-8	1.6E-02	3.8E-04										
carbon disulfide	75-15-0												
benzoic acid	65-85-0												
Total HI: Route and Expos. Pt.		3.1E-02	1.6E-03		0.0E+00	0.0E+00		0.0E+00	0.0E+00		0.0E+00	0.0E+00	
Proportion of complete exposure point			1.0E+00			1.0E+00			1.0E+00			1.0E+00	
Adjusted Total HI: Route and Expos. Pt.		3.1E-02	1.6E-03		0.0E+00	0.0E+00		0.0E+00	0.0E+00		0.0E+00	0.0E+00	
Total HI: Expos. Pt.			3.2E-02			0.0E+00			0.0E+00			0.0E+00	

Formula:

Cumulative HI = $\sum HI_{ingestion\ -\ chemical specific} + \sum HI_{dermal contact\ -\ chemical specific} + \sum HI_{inhalation: chemical\ -\ specific}$

HI ingestion-chemical specific = ADD-ingestion-chemical specific x Oral Reference Dose-chemical specific
HI dermal contact-chemical specific = ADD-dermal contact-chemical specific x Oral Reference Dose-chemical specific
HI ingestion-chemical specific = ADE-inhalation-chemical specific x Inhalation Reference Concentration-inhalation-chemical specific

HI = Hazard Index, unitless
ADD = Average Daily Dose, mg/kg/day
ADE = Average Daily Exposure, mg/cu m

This table updates Appendix R Table R-3.2 of the Remedial Investigation / Feasibility Study

Based on results of inhalation risk estimation for outdoor on-site worker, for the indoor on-site worker, exposure to OHM of fugitive dust is highly likely to be insignificant relative to direct contact exposure.

Prepared By: EAF
Reviewed By:
3/12/2007

Table 5.7
Calculation of Hazard Index (HI) for Exposure to Soil and Dust: Outdoor, On-Site Worker (Chronic Risk Estimate)

Receptor: On-Site Worker - Outdoor (Chronic)

	Exposure Point:	Residual Leaching Pool #2			0.0E+00			0.0E+00			0.0E+00		
Chemical Name	CAS Number	Dermal Contact	Incidental Ingestion	Fugitive Dust Inhalation	Dermal Contact	Incidental Ingestion	Fugitive Dust Inhalation	Dermal Contact	Incidental Ingestion	Fugitive Dust Inhalation	Dermal Contact	Incidental Ingestion	Fugitive Dust Inhalation
acenaphthene	83-32-9												
acetone	67-64-1												
anthracene	120-12-7												
antimony	7440-36-0	1.8E-03	3.6E-03	5.0E-09									
arsenic	7440-38-2												
barium	7440-39-3												
benzo(a)anthracene	56-55-3												
benzo(a)pyrene	50-32-8												
benzo(b)fluoranthene	205-99-2												
benzo(k)fluoranthene	207-08-9												
benzo(ghi)perylene	191-24-2												
bis(2-ethylhexyl)phthalate	117-81-7												
cadmium	7440-43-9												
chromium (III)	16065-83-1	8.0E-05	4.0E-04	5.5E-10									
chromium (VI)	18540-29-9												
chrysene	218-01-9												
fluoranthene	206-44-0												
fluorene	86-73-7												
lead	7439-92-1												
mercury	7439-97-6												
methylene chloride	75-09-2												
2-methylnaphthalene	91-57-6												
naphthalene	91-20-3												
nickel	7440-02-0	3.9E-02	2.2E-02	3.0E-08									
phenanthrene	85-01-8												
pyrene	129-00-0												
selenium	7782-49-2	4.2E-06	4.2E-04	5.7E-10									
silver	7440-22-4	9.6E-05	7.6E-05	1.0E-10									
tetrachloroethene	127-18-4												
thallium	7440-28-0												
toluene	108-88-3												
trichloroethene	79-01-6												
vinyl chloride	75-01-4												
zinc	7440-66-6	4.2E-05	4.2E-04	5.6E-10									
total petroleum hydrocarbons	N/A												
di-n-butyl phthalate	84-74-2												
copper	7440-50-8	4.4E-02	8.6E-03	1.2E-08									
carbon disulfide	75-15-0												
benzoic acid	65-85-0												
Total HI: Route and Expos. Pt.		8.4E-02	3.5E-02	4.9E-08	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
Proportion of complete exposure point			1.0E+00			1.0E+00			1.0E+00			1.0E+00	
Adjusted Total HI: Route and Expos. Pt.		8.4E-02	3.5E-02	4.9E-08	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
Total HI: Expos. Pt.			1.2E-01			0.0E+00			0.0E+00			0.0E+00	

Formula:

Cumulative HI = $\sum HI_{ingestion\text{-}chemicalspecific} + \sum HI_{dermalcontact\text{-}chemicalspecific} + \sum HI_{inhalation:chemical\text{-}specific}$

HI ingestion-chemical specific = ADD-ingestion-chemical specific x Oral Slope Factor-chemical specific
HI dermal contact-chemical specific = ADD-dermal contact-chemical specific x Oral Slope Factor-chemical specific
HI ingestion-chemical specific = ADE-inhalation-chemical specific x Unit Risk-inhalation-chemical specific

HI = Hazard Index, unitless
ADD = Average Daily Dose, mg/kg/day
ADE = Average Daily Exposure, mg/cu m

This table updates Appendix R Table R-3.1 of the Remedial Investigation / Feasibility Study

Prepared By:EAF
Reviewed By
3/12/2007

Table 5.9
Calculation of Hazard Index (HI) for Exposure to Potable Water: Resident (Chronic Risks)

Receptor: Resident, aged 1-6 years and aged 1 year													
	Exposure Point:	Future Drinking Water			0.0E+00			0.0E+00					
Chemical Name	CAS Number	Dermal Contact	Ingestion	Inhalation	Dermal Contact	Ingestion	Inhalation	Dermal Contact	Ingestion	Inhalation	Dermal Contact	Ingestion	Inhalation
			Chronic			Chronic			Chronic			Subchronic	
chromium (total)	7440-47-3												
chromium (VI)	18540-29-9	5.8E-06	2.6E-02										
nickel	7440-02-0	7.5E-08	7.6E-02										
zinc	7440-66-6	4.6E-08	6.9E-04										
copper	7440-50-8	8.6E-07	2.6E-03										
Total HI: Route and Expos. Pt.		6.7E-06	1.1E-01	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
Proportion of complete exposure point			1.0E+00			1.0E+00			1.0E+00			1.0E+00	
Adjusted Total HI: Route and Expos. Pt.		6.7E-06	1.1E-01	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
Total HI: Expos. Pt.			1.1E-01			0.0E+00			0.0E+00			0.0E+00	

Formula:

Cumulative HI = $\sum HI_{ingestion\ -\ chemicalspecific} + \sum HI_{dermalcontact\ -\ chemicalspecific} + \sum HI_{inhalation:chemical\ -\ specific}$

HI ingestion-chemical specific = ADD-ingestion-chemical specific x Oral Slope Factor-chemical specific
HI dermal contact-chemical specific = ADD-dermal contact-chemical specific x Oral Slope Factor-chemical specific
HI inhalation-chemical specific = ADE-inhalation-chemical specific x Unit Risk-inhalation-chemical specific

Total HI for Subchronic Exposures	
Total HI for Chronic Exposures	1.1E-01

HI = Hazard Index, unitless
ADD = Average Daily Dose, mg/kg/day
ADE = Average Daily Exposure, mg/cu m

* 20, 32 and 44 Mary's Way, and 155 Pratts Court
** 559 Canton Street
*** Near 559 Canton Street

Subchronic Oral Reference Dose		X
Chronic Oral Reference Dose	X	
Subchronic Inhalation Reference Concentration		
Chronic Inhalation Reference Concentration		

Use capital X to indicate selection

Table 6.1
Calculation of Total Hazard Index (HI): On-Site Workers (Subchronic Risk)

Receptor	On-Site Worker, Indoor (Subchronic Risk)							On-Site Worker, Outdoor (Subchronic Risk)						
Exposure Point #	1	2	3	4	5	6	7	1	2	3	4	5	6	7
Pathway:														
Indoor Air Exposure Point:														
Inhalation of vapor in indoor air - origin vadose zone	1.5E-04	1.5E-04	1.5E-04	1.5E-04										
Soil Exposure Point:														
Incidental ingestion of soil, normal	1.0E-03	1.4E-03	5.2E-04	6.1E-04				2.1E-02	2.8E-02	1.0E-02	6.1E-04			
Inhalation of dusts from disturbed soil								2.7E-08	3.7E-08	1.4E-08	1.6E-08			
Dermal contact with soil	2.0E-02	2.8E-02	9.5E-03	1.2E-02				4.8E-02	6.7E-02	2.2E-02	2.8E-02			
Total Cumulative HI	2.2E-02	3.0E-02	1.0E-02	1.3E-02				6.9E-02	9.5E-02	3.3E-02	2.8E-02			

This table updates Appendix R Table R-4.0 of the Remedial Investigation / Feasibility Study.
The tables for the indoor air portion of residential risk are unchanged from the Remedial Investigation / Feasibility Study, and therefore are not included here.

Definintion of exposure points							
Exposure Point #	1	2	3	4	5	6	7
Indoor Air Exposure Point:	Jameco Building	Jameco Building	Jameco Building	Jameco Building			
Soil Exposure Point:	Residual Leaching Pool #1 Mean	Residual Leaching Pool #2 95% Upper Confidence Limit	Residual Leaching Pool: Deeper #1 Mean	Residual Leaching Pool: Deeper #2 95% Upper Confidence Limit			

Prepared By: EAF
Reviewed By:
3/12/2007

Table 6.2
Calculation of Total Hazard Index (HI): Resident, Aged 1 to 6 Years (Chronic and Subchronic Risk)

Receptor	Resident, aged 1-6 years						
Exposure Point #	1	2	3	4	5	6	7
Pathway:							
Indoor Air Exposure Point:							
Inhalation of vapor in indoor air - origin vadose zone	4.9E-05			4.9E-05			
Soil Exposure Point:							
Incidental ingestion of soil, normal	9.9E-02			1.4E-01			
Inhalation of dusts from disturbed soil	3.4E-07			3.4E-07			
Dermal contact with soil	1.7E-01			1.9E-01			
Ingestion of garden produce	1.2E-01			2.5E-01			
Total HI	3.9E-01	0.0E+00	0.0E+00	5.8E-01	0.0E+00	0.0E+00	0.0E+00
Total Cumulative HI	3.9E-01 Chronic			5.8E-01 Subchronic			

Definintion of exposure points	This table updates Appendix R Table R-1.0 of the Remedial Investigation / Feasibility Study						
Exposure Point #	1	2	3	4	5	6	7
Indoor Air Exposure Point:	Residential Building			Residential Building			
Soil Exposure Point:	Off-Site Residential			Off-Site Residential			

Maximum concentration detected of chromium, copper, nickel and zinc (considering both old and new (2006) data sets) were used to derive residential risk.
For the remainder of the contaminants of concern, the exposure point concentration was the same as for the Remedial Investigaton / Feasibility Study.
The tables for the indoor air portion of residential risk are unchanged from the Remedial Investigation / Feasibility Study, and therefore are not included here.

Prepared By:EAF
Reviewed By:
3/20/2007

Table 6.3
Calculation of Total Hazard Index (HI): Trespasser, Aged 6 to 13 Years (Chronic and Subchronic Risk)

Receptor	Trespasser, aged 6-13 years						
Exposure Point #	1	2	3	4	5	6	7
Pathway:							
Soil Exposure Point:							
Incidental ingestion of soil, normal		3.9E-04	2.0E-03				
Inhalation of dusts from disturbed soil		1.0E-07	5.2E-08				
Dermal contact with soil		6.2E-03	2.4E-02				
Total HI		6.6E-03	2.6E-02				
Total Cumulative HI	6.6E-03 Chronic		2.6E-02 Subchronic				

Definintion of exposure points	This table updates Appendix R Table R-2.0 of the Remedial Inveatigation / Feasibility Study						
Exposure Point #	1	2	3	4	5	6	7
Soil Exposure Point:		Residual Leaching Pool #2 Chronic: 95% Upper Confidence Limit	Residual Leaching Pool #2 Subchronic: 95% Upper Confidence Limit				

Prepared By:EAF
Reviewed By:
3/12/2007

Table 6.4
Calculation of Total Hazard Index (HI): On-Site Workers (Chronic Risk Estimate)

Receptor	On-Site Worker, Indoor							On-Site Worker, Outdoor						
Exposure Point #	1	2	3	4	5	6	7	1	2	3	4	5	6	7
Pathway:														
Indoor Air Exposure Point:														
Inhalation of vapor in indoor air - origin vadose zone	4.3E-05													
Soil Exposure Point:														
Incidental ingestion of soil, normal	1.6E-03													
Incidental ingestion of soil, enhanced								3.5E-02						
Inhalation of dusts from disturbed soil	0.0E+00							4.9E-08						
Dermal contact with soil	3.1E-02							8.4E-02						
Total HI	3.3E-02							1.2E-01						
Total Cumulative HI	3.3E-02							1.2E-01						

The tables for the indoor air portion of residential risk are unchanged from the Remedial Investigation / Feasibility Study, and therefore are not included here.
This table updates Appendix R Table R-3.0 of the Remedial Investigation / Feasibility Study

Definintion of exposure points							
Exposure Point #	1	2	3	4	5	6	7
Indoor Air Exposure Point:	Jameco Building						
Soil Exposure Point:	Residual Leaching Pool #2 Chronic						

Prepared By:EAF
Reviewed By:
3/12/2007

Table 6.5
Calculation of Total Hazard Index (HI): Resident
(Chronic Risk): Drinking Water

Receptor	Resident, aged 1-6 years (Chronic Exposure)							Resident, aged 1 year (Subchronic Exposure)						
Exposure Point #	1	2	3	4	5	6	7	1	2	3	4	5	6	7
Pathway:														
Potable Water Exposure Point:														
Dermal contact with potable water	6.7E-06													
Ingestion of potable water	1.1E-01													
Inhalation of vapor from potable water	0.0E+00													
Total HI	1.1E-01													
Total Cumulative HI	1.1E-01													

Definition of exposure points							
Exposure Point #	1	2	3	4	5	6	7
Potable Water Exposure Point:	Future Drinking Water						

Table 7
Summary of Non-Cancer Risk Estimate

Exposure Duration	**Subchronic**	**Subchronic**	**Subchronic**	**Subchronic**
Receptor	**On-Site Indoor Worker**	**On-Site Outdoor Worker**	**Trespasser / Visitor**	**Resident**
Exposure Point	Residual Leaching Pool Area	Residual Leaching Pool Area	Residual Leaching Pool Area	Abutting Residential Property
Media updated	Soil	Soil	Soil	Soil
Metals updated	Cr, Cu, Ni, Zn	Cr, Cu, Ni, Zn	Cr, Cu, Ni, Zn	Cr, Cu, Ni, Zn
Media	Soil	Soil	Soil	Soil
Exposure Pathway / Risk				
Dermal Contact	0.028	0.067	0.024	0.19
Ingestion - Normal	0.0013		0.002	0.14
Ingestion - Enhanced		0.028		
Inhalation - Dust		0.000000037	0.000000052	0.00000034
Ingestion - Garden Produce				0.20
Media	Indoor Air	Indoor Air	Indoor Air	Indoor Air
Exposure Pathway / Risk				
Inhalation	0.00015			0.000049
Total Hazard Index (HI)	0.029	0.095	0.026	0.53
USEPA Non-Cancer Risk Limit	1	1	1	1
Does Total HI Exceed USEPA Non-Cancer Risk Limit?	NO	NO	NO	NO
Risk Table	6.1	6.1	6.3	6.2

Exposure point concentrations for chromium (Cr), copper (Cu), nickel (Ni) and Zinc (Zn) were modified from the values provided in the Remedial Investigation / Feasibility Study. For the abutting residential property, the maximum concentration detected of these for each of these four metals was used as the exposure point concentration. For the residual levels that would be left behind after targeted excavation of the leaching pits, the 95% upper confidence limit for each of these metals was the exposure point concentration. The exposure point concentrations for the remaining contaminants of concern are unchanged from the RI/FS.

Table 7
Summary of Non-Cancer Risk Estimate

Exposure Duration	**Chronic**	**Chronic**	**Chronic**	**Chronic**
Receptor	**On-Site Indoor Worker**	**On-Site Outdoor Worker**	**Trespasser / Visitor**	**Resident**
Exposure Point	Residual Leaching Pool Area	Residual Leaching Pool Area	Residual Leaching Pool Area	Abutting Residential Property
Media updated	Soil	Soil	Soil	Soil
Metals updated	Cr, Cu, Ni, Zn	Cr, Cu, Ni, Zn	Cr, Cu, Ni, Zn	Cr, Cu, Ni, Zn
Media	Soil	Soil	Soil	Soil
Exposure Pathway / Risk				
Dermal Contact	0.031	0.084	0.0062	0.17
Ingestion - Normal	0.0016		0.00049	0.099
Ingestion - Enhanced		0.035		
Inhalation - Dust		0.000000049	0.0000001	0.00000034
Ingestion - Garden Produce				0.12
Media	Indoor Air	Indoor Air	Indoor Air	Indoor Air
Exposure Pathway / Risk				
Inhalation	0.000043			0.000049
Total Hazard Index (HI)	0.033	0.12	0.0067	0.39
USEPA Non-Cancer Risk Limit	1	1	1	1
Does Total HI Exceed USEPA Non-Cancer Risk Limit?	NO	NO	NO	NO
Risk Table	6.4	6.4	6.3	6.2

Exposure point concentrations for chrThe cancer risk assessment was not re-done for these exposure points, because there was no significant the Remedial Investigation / Feasibilitcancer risk for these exposure points within the RI/FS. Most or all of the contaminants of concern for each of these four metals was useare not carcinogens by soil exposure pathways.
after targeted excavation of the leachIndoor air risk estimates were not changed from those provided in the RI/FS; therefore, no updated indoor air concentration. The exposure point crisk assessment tables are provided.

ATTACHMENT 2

Laboratory Analytical Data

Groundwater Analytical, Inc.
P.O.Box 1200
228 Main Street
Buzzards Bay, MA 02532

Telephone: (508) 759-4441
FAX: (508) 759-4475

GROUNDWATER ANALYTICAL

e-mail

To:	Rick Kranes	**From:**	e-mail reporting GWA
	Goldman Environmental	**Pages:**	58
e-mail:	rkranes@	**Date:**	03/06/2007 17:15:05
Re:	103576	**CC:**	

☐ **Urgent** ☐ **For Review** ☐ **Please Comment** ☐ **Please Reply**

• **Comments:**

Project Report for Jameco/Watts/444-408H, Lab ID 103576, Received 01-29-07

Confidential

GROUNDWATER ANALYTICAL

Groundwater Analytical, Inc.
P.O. Box 120
228 Main Stree
Buzzards Bay, MA 02532

Telephone (508) 759-444
FAX (508) 759-447
www.groundwateranalytical.com

March 6, 2007

Mr. Rick Kranes
Goldman Environmental Consultants, Inc.
60 Brooks Drive
Braintree, MA 02184

LABORATORY REPORT AMENDMENT

Project: **Jameco/Watts/444-408H**
Lab ID: **103576**
Received: **01-29-07**

Dear Rick:

Enclosed are the amended analytical results for the above referenced project.

This letter authorizes the release of the analytical results, and should be considered a part of this report. This report contains a sample receipt report detailing the samples received, a project narrative indicating project changes and non-conformances, a quality control report, and a statement of our state certifications.

The analytical results contained in this report meet all applicable NELAC standards, except as may be specifically noted, or described in the project narrative. This report may only be used or reproduced in its entirety.

I attest under the pains and penalties of perjury 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.

Should you have any questions concerning this report, please do not hesitate to contact me.

Sincerely,

Eric H. Jensen
Operations Manager

EHJ/jkb
Enclosures

GROUNDWATER ANALYTICAL

Sample Receipt Report

Project: **Jameco/Watts/444-408H** | Delivery: **GWA Courier** | Temperature: **2.8'C**
Client: **Goldman Environmental Consultants, Inc.** | Airbill: **n/a** | Chain of Custody: **Present**
Lab ID: **103576** | Lab Receipt: **01-29-07** | Custody Seal(s): **n/a**

Lab ID	Field ID		Matrix	Sampled	Method			Notes
103576-1	MW-2		Aqueous	1/24/07 15:55	EPA 6010B/7470A 8 RCRA Metals			
Con ID	**Container**	**Vendor**	**QC Lot**	**Preserv**	**QC Lot**	**Prep**	**Ship**	
C870248	250 mL Plastic	Proline	BX24241	HNO3	R-4999G	12-26-06	n/a	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
103576-2	MW-4		Aqueous	1/24/07 15:28	EPA 6010B/7470A 8 RCRA Metals			
Con ID	**Container**	**Vendor**	**QC Lot**	**Preserv**	**QC Lot**	**Prep**	**Ship**	
C872957	250 mL Plastic	Proline	BX24239	HNO3	R-4999G	12-15-06	n/a	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
103576-3	MW-3		Aqueous	1/24/07 16:23	EPA 6010B/7470A 8 RCRA Metals			
Con ID	**Container**	**Vendor**	**QC Lot**	**Preserv**	**QC Lot**	**Prep**	**Ship**	
C872849	250 mL Plastic	Proline	BX24239	HNO3	R-4999G	12-15-06	n/a	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
103576-4	MW-5R		Aqueous	1/25/07 14:35	EPA 6010B/7470A 8 RCRA Metals			
Con ID	**Container**	**Vendor**	**QC Lot**	**Preserv**	**QC Lot**	**Prep**	**Ship**	
C744277	250 mL Plastic	Greenwood	BX20500	HNO3	R-4550E	04-17-06	05-25-06	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
103576-5	MW-6R		Aqueous	1/24/07 16:35	EPA 6010B/7470A 8 RCRA Metals			
Con ID	**Container**	**Vendor**	**QC Lot**	**Preserv**	**QC Lot**	**Prep**	**Ship**	
C725630	250 mL Plastic	Proline	BX21355	HNO3	R-4808D	05-05-06	05-25-06	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
103576-6	MW-10		Aqueous	1/24/07 19:51	EPA 6010B/7470A 8 RCRA Metals			
Con ID	**Container**	**Vendor**	**QC Lot**	**Preserv**	**QC Lot**	**Prep**	**Ship**	
C872856	250 mL Plastic	Proline	BX24239	HNO3	R-4999G	12-15-06	n/a	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
103576-7	MW-11		Aqueous	1/25/07 18:03	EPA 6010B/7470A 8 RCRA Metals			
Con ID	**Container**	**Vendor**	**QC Lot**	**Preserv**	**QC Lot**	**Prep**	**Ship**	
C872917	250 mL Plastic	Proline	BX24239	HNO3	R-4999G	12-15-06	n/a	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
103576-8	MW-12		Aqueous	1/25/07 17:10	EPA 6010B/7470A 8 RCRA Metals			
Con ID	**Container**	**Vendor**	**QC Lot**	**Preserv**	**QC Lot**	**Prep**	**Ship**	
C870358	250 mL Plastic	Proline	BX24241	HNO3	R-4999G	12-26-06	n/a	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
103576-9	MW-26R		Aqueous	1/24/07 18:45	EPA 6010B/7470A 8 RCRA Metals			
Con ID	**Container**	**Vendor**	**QC Lot**	**Preserv**	**QC Lot**	**Prep**	**Ship**	
C870334	250 mL Plastic	Proline	BX24241	HNO3	R-4999G	12-26-06	n/a	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
103576-10	MW-3		Aqueous	1/25/07 14:38	EPA 8270C Semivolatile Organics			
Con ID	**Container**	**Vendor**	**QC Lot**	**Preserv**	**QC Lot**	**Prep**	**Ship**	
C201237	1 L Amber Glass	Proline	BX24751	None	n/a	n/a	n/a	
C201236	1 L Amber Glass	Proline	BX24751	None	n/a	n/a	n/a	

GROUNDWATER ANALYTICAL

Sample Receipt Report (Continued)

Project: **Jameco/Watts/444-408H** | Delivery: **GWA Courier** | Temperature: **2.8'C**
Client: **Goldman Environmental Consultants, Inc.** | Airbill: **n/a** | Chain of Custody: **Present**
Lab ID: **103576** | Lab Receipt: **01-29-07** | Custody Seal(s): **n/a**

Lab ID	Field ID		Matrix	Sampled	Method			Notes
103576-11	MW-5R		Aqueous	1/25/07 14:35	EPA 8270C Semivolatile Organics			
Con ID	**Container**	**Vendor**	**QC Lot**	**Preserv**	**QC Lot**	**Prep**	**Ship**	
C805934	1 L Amber Glass	Proline	BX24338	None	n/a	n/a	n/a	
C805933	1 L Amber Glass	Proline	BX24338	None	n/a	n/a	n/a	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
103576-12	MW-10		Aqueous	1/24/07 19:51	EPA 8270C Semivolatile Organics			
Con ID	**Container**	**Vendor**	**QC Lot**	**Preserv**	**QC Lot**	**Prep**	**Ship**	
C805938	1 L Amber Glass	Proline	BX24338	None	n/a	n/a	n/a	
C805937	1 L Amber Glass	Proline	BX24338	None	n/a	n/a	n/a	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
103576-13	MW-11		Aqueous	1/25/07 18:03	EPA 8270C Semivolatile Organics			
Con ID	**Container**	**Vendor**	**QC Lot**	**Preserv**	**QC Lot**	**Prep**	**Ship**	
C805931	1 L Amber Glass	Proline	BX24338	None	n/a	n/a	n/a	
C805928	1 L Amber Glass	Proline	BX24338	None	n/a	n/a	n/a	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
103576-14	MW-12		Aqueous	1/25/07 17:10	EPA 8270C Semivolatile Organics			
Con ID	**Container**	**Vendor**	**QC Lot**	**Preserv**	**QC Lot**	**Prep**	**Ship**	
C201230	1 L Amber Glass	Proline	BX24751	None	n/a	n/a	n/a	
C201229	1 L Amber Glass	Proline	BX24751	None	n/a	n/a	n/a	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
103576-15	MW-17		Aqueous	1/25/07 15:57	EPA 8270C Semivolatile Organics			
Con ID	**Container**	**Vendor**	**QC Lot**	**Preserv**	**QC Lot**	**Prep**	**Ship**	
C201234	1 L Amber Glass	Proline	BX24751	None	n/a	n/a	n/a	
C201233	1 L Amber Glass	Proline	BX24751	None	n/a	n/a	n/a	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
103576-16	MW-20		Aqueous	1/25/07 19:00	EPA 8270C Semivolatile Organics			
Con ID	**Container**	**Vendor**	**QC Lot**	**Preserv**	**QC Lot**	**Prep**	**Ship**	
C805936	1 L Amber Glass	Proline	BX24338	None	n/a	n/a	n/a	
C805935	1 L Amber Glass	Proline	BX24338	None	n/a	n/a	n/a	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
103576-17	MW-21		Aqueous	1/25/07 17:30	EPA 8270C Semivolatile Organics			
Con ID	**Container**	**Vendor**	**QC Lot**	**Preserv**	**QC Lot**	**Prep**	**Ship**	
C201235	1 L Amber Glass	Proline	BX24751	None	n/a	n/a	n/a	
C201228	1 L Amber Glass	Proline	BX24751	None	n/a	n/a	n/a	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
103576-18	MW-16		Aqueous	1/25/07 16:15	EPA 8270C Semivolatile Organics			
Con ID	**Container**	**Vendor**	**QC Lot**	**Preserv**	**QC Lot**	**Prep**	**Ship**	
C201232	1 L Amber Glass	Proline	BX24751	None	n/a	n/a	n/a	
C201231	1 L Amber Glass	Proline	BX24751	None	n/a	n/a	n/a	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
103576-19	MW-23		Aqueous	1/25/07 13:25	EPA 8270C Semivolatile Organics			
Con ID	**Container**	**Vendor**	**QC Lot**	**Preserv**	**QC Lot**	**Prep**	**Ship**	
C201239	1 L Amber Glass	Proline	BX24751	None	n/a	n/a	n/a	
C201238	1 L Amber Glass	Proline	BX24751	None	n/a	n/a	n/a	

GROUNDWATER ANALYTICAL

Sample Receipt Report (Continued)

Project: **Jameco/Watts/444-408H** | Delivery: **GWA Courier** | Temperature: **2.8'C**
Client: **Goldman Environmental Consultants, Inc.** | Airbill: **n/a** | Chain of Custody: **Present**
Lab ID: **103576** | Lab Receipt: **01-29-07** | Custody Seal(s): **n/a**

Lab ID	Field ID		Matrix	Sampled	Method			Notes
103576-20	MW-26R		Aqueous	1/24/07 18:45	EPA 8270C Semivolatile Organics			
Con ID	**Container**	**Vendor**	**QC Lot**	**Preserv**	**QC Lot**	**Prep**	**Ship**	
C805930	1 L Amber Glass	Proline	BX24338	None	n/a	n/a	n/a	
C805929	1 L Amber Glass	Proline	BX24338	None	n/a	n/a	n/a	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
103576-21	MW-23		Aqueous	1/25/07 13:25	EPA 8260B TCL Volatile Organics			
Con ID	**Container**	**Vendor**	**QC Lot**	**Preserv**	**QC Lot**	**Prep**	**Ship**	
C714142	40 mL VOA Vial	Proline	BX20430	HCl	R-4683B	03-22-06	03-30-06	
C714130	40 mL VOA Vial	Proline	BX20430	HCl	R-4683B	03-22-06	03-30-06	
C714118	40 mL VOA Vial	Proline	BX20430	HCl	R-4683B	03-22-06	03-30-06	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
103576-22	S-1 Back		Soil	1/24/07 11:30	EPA 6010B/7471A 8 RCRA Metals, plus Cu, Ni, Zn			
Con ID	**Container**	**Vendor**	**QC Lot**	**Preserv**	**QC Lot**	**Prep**	**Ship**	
C830808	250 mL Glass	Proline	BX23906	None	n/a	n/a	n/a	

Lab ID	Field ID		Matrix	Sampled	Method			Notes
103576-23	S-2 Side		Soil	1/24/07 11:40	EPA 6010B/7471A 8 RCRA Metals, plus Cu, Ni, Zn			
Con ID	**Container**	**Vendor**	**QC Lot**	**Preserv**	**QC Lot**	**Prep**	**Ship**	
C857022	250 mL Glass	Proline	BX23956	None	n/a	n/a	n/a	

GROUNDWATER ANALYTICAL

Trace Metals

Field ID:	**MW-2**	Matrix:	**Aqueous**
Project:	**Jameco/Watts/444-408H**	Container:	**250 mL Plastic**
Client:	**Goldman Environmental Consultants, Inc.**	Preservation:	**HNO3/ Cool**
Laboratory ID:	**103576-01**	Preserved:	**01-24-07 15:55**
Sampled:	**01-24-07 15:55**		
Received:	**01-29-07 18:00**		

Analysis Method	QC Batch ID	Prep Method	Prepared	Sample Volume	Instrument ID	Analyst
EPA 6020A[1]	MB-2534-W	EPA 3010A	01-30-07 08:16	50 mL	ICPMS ELAN9000	MFP
EPA 6010B[2]	MB-2534-W	EPA 3010A	01-30-07 08:16	50 mL	ICP-2 PE 3300	MWR
EPA 7470A[3]	MP-1932-W	EPA 7470A	02-01-07 09:00	25 mL	CVAA-1 PE FIMS	JBH

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit	DF	Analyzed	Method
7440-38-2	Arsenic, Total	BRL		mg/L	0.005	1	02-01-07 21:40	EPA 6020A[1]
7440-39-3	Barium, Total	BRL		mg/L	0.2	1	01-31-07 14:24	EPA 6010B[2]
7440-43-9	Cadmium, Total	BRL		mg/L	0.004	1	01-31-07 14:24	EPA 6010B[2]
7440-47-3	Chromium, Total	BRL		mg/L	0.01	1	01-31-07 14:24	EPA 6010B[2]
7440-50-8	Copper, Total	**0.088**		mg/L	0.025	1	01-31-07 14:24	EPA 6010B[2]
7439-92-1	Lead, Total	BRL		mg/L	0.005	1	01-31-07 14:24	EPA 6010B[2]
7439-97-6	Mercury, Total	**0.0005**		mg/L	0.0002	1	02-01-07 13:07	EPA 7470A[3]
7440-02-0	Nickel, Total	**0.44**		mg/L	0.04	1	01-31-07 14:24	EPA 6010B[2]
7782-49-2	Selenium, Total	BRL		mg/L	0.05	1	01-31-07 14:24	EPA 6010B[2]
7440-22-4	Silver, Total	BRL		mg/L	0.007	1	01-31-07 14:24	EPA 6010B[2]
7440-66-6	Zinc, Total	BRL		mg/L	0.2	1	01-31-07 14:24	EPA 6010B[2]

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

DF Dilution Factor.

GROUNDWATER ANALYTICAL

Trace Metals

Field ID:	**MW-4**	Matrix:	**Aqueous**
Project:	**Jameco/Watts/444-408H**	Container:	**250 mL Plastic**
Client:	**Goldman Environmental Consultants, Inc.**	Preservation:	**HNO3/ Cool**
Laboratory ID:	**103576-02**	Preserved:	**01-24-07 15:28**
Sampled:	**01-24-07 15:28**		
Received:	**01-29-07 18:00**		

Analysis Method	QC Batch ID	Prep Method	Prepared	Sample Volume	Instrument ID	Analyst
EPA 6020A[1]	MB-2534-W	EPA 3010A	01-30-07 08:16	50 mL	ICPMS ELAN9000	MFP
EPA 6010B[2]	MB-2534-W	EPA 3010A	01-30-07 08:16	50 mL	ICP-2 PE 3300	MWR
EPA 7470A[3]	MP-1931-W	EPA 7470A	01-30-07 09:05	25 mL	CVAA-1 PE FIMS	JBH

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit	DF	Analyzed	Method
7440-38-2	Arsenic, Total	BRL		mg/L	0.005	1	02-01-07 21:44	EPA 6020A[1]
7440-39-3	Barium, Total	BRL		mg/L	0.2	1	01-31-07 14:27	EPA 6010B[2]
7440-43-9	Cadmium, Total	BRL		mg/L	0.004	1	01-31-07 14:27	EPA 6010B[2]
7440-47-3	Chromium, Total	**0.19**		mg/L	0.01	1	01-31-07 14:27	EPA 6010B[2]
7440-50-8	Copper, Total	**0.14**		mg/L	0.025	1	01-31-07 14:27	EPA 6010B[2]
7439-92-1	Lead, Total	BRL		mg/L	0.005	1	01-31-07 14:27	EPA 6010B[2]
7439-97-6	Mercury, Total	BRL		mg/L	0.0002	1	01-30-07 14:32	EPA 7470A[3]
7440-02-0	Nickel, Total	**2.2**		mg/L	0.04	1	01-31-07 14:27	EPA 6010B[2]
7782-49-2	Selenium, Total	BRL		mg/L	0.05	1	01-31-07 14:27	EPA 6010B[2]
7440-22-4	Silver, Total	BRL		mg/L	0.007	1	01-31-07 14:27	EPA 6010B[2]
7440-66-6	Zinc, Total	**0.3**		mg/L	0.2	1	01-31-07 14:27	EPA 6010B[2]

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

DF Dilution Factor.

GROUNDWATER ANALYTICAL

Trace Metals

Field ID:	**MW-3**	Matrix:	**Aqueous**
Project:	**Jameco/Watts/444-408H**	Container:	**250 mL Plastic**
Client:	**Goldman Environmental Consultants, Inc.**	Preservation:	**HNO3/ Cool**
Laboratory ID:	**103576-03**	Preserved:	**01-24-07 16:23**
Sampled:	**01-24-07 16:23**		
Received:	**01-29-07 18:00**		

Analysis Method	QC Batch ID	Prep Method	Prepared	Sample Volume	Instrument ID	Analyst
EPA 6020A[1]	MB-2534-W	EPA 3010A	01-30-07 08:16	50 mL	ICPMS ELAN9000	MFP
EPA 6010B[2]	MB-2534-W	EPA 3010A	01-30-07 08:16	50 mL	ICP-2 PE 3300	MWR
EPA 7470A[3]	MP-1931-W	EPA 7470A	01-30-07 09:05	25 mL	CVAA-1 PE FIMS	JBH

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit	DF	Analyzed	Method
7440-38-2	Arsenic, Total	BRL		mg/L	0.005	1	02-01-07 21:49	EPA 6020A[1]
7440-39-3	Barium, Total	BRL		mg/L	0.2	1	01-31-07 14:31	EPA 6010B[2]
7440-43-9	Cadmium, Total	BRL		mg/L	0.004	1	01-31-07 14:31	EPA 6010B[2]
7440-47-3	Chromium, Total	BRL		mg/L	0.01	1	01-31-07 14:31	EPA 6010B[2]
7440-50-8	Copper, Total	BRL		mg/L	0.025	1	01-31-07 14:31	EPA 6010B[2]
7439-92-1	Lead, Total	BRL		mg/L	0.005	1	01-31-07 14:31	EPA 6010B[2]
7439-97-6	Mercury, Total	BRL		mg/L	0.0002	1	01-30-07 14:35	EPA 7470A[3]
7440-02-0	Nickel, Total	BRL		mg/L	0.04	1	01-31-07 14:31	EPA 6010B[2]
7782-49-2	Selenium, Total	BRL		mg/L	0.05	1	01-31-07 14:31	EPA 6010B[2]
7440-22-4	Silver, Total	BRL		mg/L	0.007	1	01-31-07 14:31	EPA 6010B[2]
7440-66-6	Zinc, Total	BRL		mg/L	0.2	1	01-31-07 14:31	EPA 6010B[2]

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

DF Dilution Factor.

GROUNDWATER ANALYTICAL

Trace Metals

Field ID:	**MW-5R**	Matrix:	**Aqueous**
Project:	**Jameco/Watts/444-408H**	Container:	**250 mL Plastic**
Client:	**Goldman Environmental Consultants, Inc.**	Preservation:	**HNO3/ Cool**
Laboratory ID:	**103576-04**	Preserved:	**01-25-07 14:35**
Sampled:	**01-25-07 14:35**		
Received:	**01-29-07 18:00**		

Analysis Method	QC Batch ID	Prep Method	Prepared	Sample Volume	Instrument ID	Analyst
EPA 6020A[1]	MB-2534-W	EPA 3010A	01-30-07 08:16	50 mL	ICPMS ELAN9000	MFP
EPA 6010B[2]	MB-2534-W	EPA 3010A	01-30-07 08:16	50 mL	ICP-2 PE 3300	MWR
EPA 7470A[3]	MP-1931-W	EPA 7470A	01-30-07 09:05	25 mL	CVAA-1 PE FIMS	JBH

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit	DF	Analyzed	Method
7440-38-2	Arsenic, Total	BRL		mg/L	0.005	1	02-01-07 21:54	EPA 6020A[1]
7440-39-3	Barium, Total	BRL		mg/L	0.2	1	01-31-07 14:34	EPA 6010B[2]
7440-43-9	Cadmium, Total	BRL		mg/L	0.004	1	01-31-07 14:34	EPA 6010B[2]
7440-47-3	Chromium, Total	BRL		mg/L	0.01	1	01-31-07 14:34	EPA 6010B[2]
7440-50-8	Copper, Total	**1.4**		mg/L	0.025	1	01-31-07 14:34	EPA 6010B[2]
7439-92-1	Lead, Total	BRL		mg/L	0.005	1	01-31-07 14:34	EPA 6010B[2]
7439-97-6	Mercury, Total	BRL		mg/L	0.0002	1	01-30-07 14:39	EPA 7470A[3]
7440-02-0	Nickel, Total	**0.14**		mg/L	0.04	1	01-31-07 14:34	EPA 6010B[2]
7782-49-2	Selenium, Total	BRL		mg/L	0.05	1	01-31-07 14:34	EPA 6010B[2]
7440-22-4	Silver, Total	BRL		mg/L	0.007	1	01-31-07 14:34	EPA 6010B[2]
7440-66-6	Zinc, Total	BRL		mg/L	0.2	1	01-31-07 14:34	EPA 6010B[2]

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

DF Dilution Factor.

GROUNDWATER ANALYTICAL

Trace Metals

Field ID:	**MW-6R**	Matrix:	**Aqueous**
Project:	**Jameco/Watts/444-408H**	Container:	**250 mL Plastic**
Client:	**Goldman Environmental Consultants, Inc.**	Preservation:	**HNO3/ Cool**
Laboratory ID:	**103576-05**	Preserved:	**01-24-07 16:35**
Sampled:	**01-24-07 16:35**		
Received:	**01-29-07 18:00**		

Analysis Method	QC Batch ID	Prep Method	Prepared	Sample Volume	Instrument ID	Analyst
EPA 6020A[1]	MB-2534-W	EPA 3010A	01-30-07 08:16	50 mL	ICPMS ELAN9000	MFP
EPA 6010B[2]	MB-2534-W	EPA 3010A	01-30-07 08:16	50 mL	ICP-2 PE 3300	MWR
EPA 7470A[3]	MP-1931-W	EPA 7470A	01-30-07 09:05	25 mL	CVAA-1 PE FIMS	JBH

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit	DF	Analyzed	Method
7440-38-2	Arsenic, Total	BRL		mg/L	0.005	1	02-01-07 21:59	EPA 6020A[1]
7440-39-3	Barium, Total	BRL		mg/L	0.2	1	01-31-07 14:38	EPA 6010B[2]
7440-43-9	Cadmium, Total	BRL		mg/L	0.004	1	01-31-07 14:38	EPA 6010B[2]
7440-47-3	Chromium, Total	BRL		mg/L	0.01	1	01-31-07 14:38	EPA 6010B[2]
7440-50-8	Copper, Total	BRL		mg/L	0.025	1	01-31-07 14:38	EPA 6010B[2]
7439-92-1	Lead, Total	BRL		mg/L	0.005	1	01-31-07 14:38	EPA 6010B[2]
7439-97-6	Mercury, Total	BRL		mg/L	0.0002	1	01-30-07 14:42	EPA 7470A[3]
7440-02-0	Nickel, Total	BRL		mg/L	0.04	1	01-31-07 14:38	EPA 6010B[2]
7782-49-2	Selenium, Total	BRL		mg/L	0.05	1	01-31-07 14:38	EPA 6010B[2]
7440-22-4	Silver, Total	BRL		mg/L	0.007	1	01-31-07 14:38	EPA 6010B[2]
7440-66-6	Zinc, Total	BRL		mg/L	0.2	1	01-31-07 14:38	EPA 6010B[2]

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

DF Dilution Factor.

GROUNDWATER ANALYTICAL

Trace Metals

Field ID:	**MW-10**	Matrix:	**Aqueous**
Project:	**Jameco/Watts/444-408H**	Container:	**250 mL Plastic**
Client:	**Goldman Environmental Consultants, Inc.**	Preservation:	**HNO3/ Cool**
Laboratory ID:	**103576-06**	Preserved:	**01-24-07 19:51**
Sampled:	**01-24-07 19:51**		
Received:	**01-29-07 18:00**		

Analysis Method	QC Batch ID	Prep Method	Prepared	Sample Volume	Instrument ID	Analyst
EPA 6020A[1]	MB-2534-W	EPA 3010A	01-30-07 08:16	50 mL	ICPMS ELAN9000	MFP
EPA 6010B[2]	MB-2534-W	EPA 3010A	01-30-07 08:16	50 mL	ICP-2 PE 3300	MWR
EPA 7470A[3]	MP-1931-W	EPA 7470A	01-30-07 09:05	25 mL	CVAA-1 PE FIMS	JBH

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit	DF	Analyzed	Method
7440-38-2	Arsenic, Total	BRL		mg/L	0.005	1	02-01-07 22:03	EPA 6020A[1]
7440-39-3	Barium, Total	BRL		mg/L	0.2	1	01-31-07 14:41	EPA 6010B[2]
7440-43-9	Cadmium, Total	BRL		mg/L	0.004	1	01-31-07 14:41	EPA 6010B[2]
7440-47-3	Chromium, Total	BRL		mg/L	0.01	1	01-31-07 14:41	EPA 6010B[2]
7440-50-8	Copper, Total	BRL		mg/L	0.025	1	01-31-07 14:41	EPA 6010B[2]
7439-92-1	Lead, Total	BRL		mg/L	0.005	1	01-31-07 14:41	EPA 6010B[2]
7439-97-6	Mercury, Total	BRL		mg/L	0.0002	1	01-30-07 14:52	EPA 7470A[3]
7440-02-0	Nickel, Total	BRL		mg/L	0.04	1	01-31-07 14:41	EPA 6010B[2]
7782-49-2	Selenium, Total	BRL		mg/L	0.05	1	01-31-07 14:41	EPA 6010B[2]
7440-22-4	Silver, Total	BRL		mg/L	0.007	1	01-31-07 14:41	EPA 6010B[2]
7440-66-6	Zinc, Total	BRL		mg/L	0.2	1	01-31-07 14:41	EPA 6010B[2]

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

DF Dilution Factor.

Trace Metals

Field ID:	**MW-11**	Matrix:	**Aqueous**
Project:	**Jameco/Watts/444-408H**	Container:	**250 mL Plastic**
Client:	**Goldman Environmental Consultants, Inc.**	Preservation:	**HNO3/ Cool**
Laboratory ID:	**103576-07**	Preserved:	**01-25-07 18:03**
Sampled:	**01-25-07 18:03**		
Received:	**01-29-07 18:00**		

Analysis Method	QC Batch ID	Prep Method	Prepared	Sample Volume	Instrument ID	Analyst
EPA 6020A[1]	MB-2534-W	EPA 3010A	01-30-07 08:16	50 mL	ICPMS ELAN9000	MFP
EPA 6010B[2]	MB-2534-W	EPA 3010A	01-30-07 08:16	50 mL	ICP-2 PE 3300	MWR
EPA 7470A[3]	MP-1931-W	EPA 7470A	01-30-07 09:05	25 mL	CVAA-1 PE FIMS	JBH

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit	DF	Analyzed	Method
7440-38-2	Arsenic, Total	**0.008**		mg/L	0.005	1	02-01-07 22:16	EPA 6020A[1]
7440-39-3	Barium, Total	BRL		mg/L	0.2	1	01-31-07 18:03	EPA 6010B[2]
7440-43-9	Cadmium, Total	BRL		mg/L	0.004	1	01-31-07 18:03	EPA 6010B[2]
7440-47-3	Chromium, Total	**0.04**		mg/L	0.01	1	02-01-07 16:01	EPA 6010B[2]
7440-50-8	Copper, Total	BRL		mg/L	0.025	1	02-01-07 16:01	EPA 6010B[2]
7439-92-1	Lead, Total	BRL		mg/L	0.005	1	02-01-07 16:01	EPA 6010B[2]
7439-97-6	Mercury, Total	BRL		mg/L	0.0002	1	01-30-07 14:55	EPA 7470A[3]
7440-02-0	Nickel, Total	BRL		mg/L	0.04	1	02-01-07 16:01	EPA 6010B[2]
7782-49-2	Selenium, Total	BRL		mg/L	0.05	1	01-31-07 18:03	EPA 6010B[2]
7440-22-4	Silver, Total	BRL		mg/L	0.007	1	01-31-07 18:03	EPA 6010B[2]
7440-66-6	Zinc, Total	BRL		mg/L	0.2	1	02-01-07 16:01	EPA 6010B[2]

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

DF Dilution Factor.

GROUNDWATER ANALYTICAL

Trace Metals

Field ID:	**MW-12**	Matrix:	**Aqueous**
Project:	**Jameco/Watts/444-408H**	Container:	**250 mL Plastic**
Client:	**Goldman Environmental Consultants, Inc.**	Preservation:	**HNO3/ Cool**
Laboratory ID:	**103576-08**	Preserved:	**01-25-07 17:10**
Sampled:	**01-25-07 17:10**		
Received:	**01-29-07 18:00**		

Analysis Method	QC Batch ID	Prep Method	Prepared	Sample Volume	Instrument ID	Analyst
EPA 6020A[1]	MB-2534-W	EPA 3010A	01-30-07 08:16	50 mL	ICPMS ELAN9000	MFP
EPA 6010B[2]	MB-2534-W	EPA 3010A	01-30-07 08:16	50 mL	ICP-2 PE 3300	MWR
EPA 7470A[3]	MP-1931-W	EPA 7470A	01-30-07 09:05	25 mL	CVAA-1 PE FIMS	JBH

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit	DF	Analyzed	Method
7440-38-2	Arsenic, Total	BRL		mg/L	0.005	1	02-01-07 22:21	EPA 6020A[1]
7440-39-3	Barium, Total	BRL		mg/L	0.2	1	01-31-07 18:06	EPA 6010B[2]
7440-43-9	Cadmium, Total	BRL		mg/L	0.004	1	01-31-07 18:07	EPA 6010B[2]
7440-47-3	Chromium, Total	BRL		mg/L	0.01	1	01-31-07 18:07	EPA 6010B[2]
7440-50-8	Copper, Total	**0.44**		mg/L	0.025	1	01-31-07 18:07	EPA 6010B[2]
7439-92-1	Lead, Total	BRL		mg/L	0.005	1	02-01-07 16:05	EPA 6010B[2]
7439-97-6	Mercury, Total	BRL		mg/L	0.0002	1	01-30-07 14:58	EPA 7470A[3]
7440-02-0	Nickel, Total	**0.29**		mg/L	0.04	1	01-31-07 18:07	EPA 6010B[2]
7782-49-2	Selenium, Total	BRL		mg/L	0.05	1	01-31-07 18:07	EPA 6010B[2]
7440-22-4	Silver, Total	BRL		mg/L	0.007	1	01-31-07 18:07	EPA 6010B[2]
7440-66-6	Zinc, Total	BRL		mg/L	0.2	1	01-31-07 18:07	EPA 6010B[2]

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

DF Dilution Factor.

GROUNDWATER ANALYTICAL

Trace Metals

Field ID:	**MW-26R**	Matrix:	**Aqueous**
Project:	**Jameco/Watts/444-408H**	Container:	**250 mL Plastic**
Client:	**Goldman Environmental Consultants, Inc.**	Preservation:	**HNO3/ Cool**
Laboratory ID:	**103576-09**	Preserved:	**01-24-07 18:45**
Sampled:	**01-24-07 18:45**		
Received:	**01-29-07 18:00**		

Analysis Method	QC Batch ID	Prep Method	Prepared	Sample Volume	Instrument ID	Analyst
EPA 6020A[1]	MB-2534-W	EPA 3010A	01-30-07 08:16	50 mL	ICPMS ELAN9000	MFP
EPA 6010B[2]	MB-2534-W	EPA 3010A	01-30-07 08:16	50 mL	ICP-2 PE 3300	MWR
EPA 7470A[3]	MP-1931-W	EPA 7470A	01-30-07 09:05	25 mL	CVAA-1 PE FIMS	JBH

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit	DF	Analyzed	Method
7440-38-2	Arsenic, Total	**0.029**		mg/L	0.005	1	02-01-07 22:26	EPA 6020A[1]
7440-39-3	Barium, Total	BRL		mg/L	0.2	1	01-31-07 18:10	EPA 6010B[2]
7440-43-9	Cadmium, Total	BRL		mg/L	0.004	1	01-31-07 18:10	EPA 6010B[2]
7440-47-3	Chromium, Total	BRL		mg/L	0.01	1	01-31-07 18:10	EPA 6010B[2]
7440-50-8	Copper, Total	BRL		mg/L	0.025	1	01-31-07 18:10	EPA 6010B[2]
7439-92-1	Lead, Total	BRL		mg/L	0.005	1	02-01-07 16:08	EPA 6010B[2]
7439-97-6	Mercury, Total	BRL		mg/L	0.0002	1	01-30-07 15:01	EPA 7470A[3]
7440-02-0	Nickel, Total	BRL		mg/L	0.04	1	01-31-07 18:10	EPA 6010B[2]
7782-49-2	Selenium, Total	BRL		mg/L	0.05	1	01-31-07 18:10	EPA 6010B[2]
7440-22-4	Silver, Total	BRL		mg/L	0.007	1	01-31-07 18:10	EPA 6010B[2]
7440-66-6	Zinc, Total	BRL		mg/L	0.2	1	01-31-07 18:10	EPA 6010B[2]

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

DF Dilution Factor.

GROUNDWATER ANALYTICAL

EPA Method 8270C
Semivolatile Organics by GC/MS

Field ID:	**MW-3**	Matrix:	**Aqueous**
Project:	**Jameco/Watts/444-408H**	Container:	**1 L Amber Glass**
Client:	**Goldman Environmental Consultants, Inc.**	Preservation:	**Cool**
Laboratory ID:	**103576-10**	QC Batch ID:	**SV-2031-F**
Sampled:	**01-25-07 14:38**	Instrument ID:	**MS-12 Agilent 6890**
Received:	**01-29-07 18:00**	Sample Volume:	**950 mL**
Extracted:	**01-30-07 10:00**	Final Volume:	**1 mL**
Analyzed:	**02-01-07 11:12**	Dilution Factor:	**1**
Analyst:	**MJB**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
62-75-9	N-Nitrosodimethylamine	BRL		ug/L	5
110-86-1	Pyridine	BRL		ug/L	5
108-95-2	Phenol	BRL		ug/L	5
62-53-3	Aniline	BRL		ug/L	5
111-44-4	Bis(2-chloroethyl) ether	BRL		ug/L	5
95-57-8	2-Chlorophenol	BRL		ug/L	5
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	5
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	5
100-51-6	Benzyl Alcohol	BRL		ug/L	5
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	5
95-48-7	2-Methylphenol	BRL		ug/L	5
108-60-1	Bis(2-chloroisopropyl) ether	BRL		ug/L	5
108-39-4/106-44-5	3 and 4-Methylphenol *	BRL		ug/L	5
621-64-7	N-Nitrosodi-n-propylamine	BRL		ug/L	5
98-86-2	Acetophenone	BRL		ug/L	5
67-72-1	Hexachloroethane	BRL		ug/L	5
98-95-3	Nitrobenzene	BRL		ug/L	5
78-59-1	Isophorone	BRL		ug/L	5
88-75-5	2-Nitrophenol	BRL		ug/L	5
105-67-9	2,4-Dimethylphenol	BRL		ug/L	5
111-91-1	Bis(2-chloroethoxy) methane	BRL		ug/L	5
120-83-2	2,4-Dichlorophenol	BRL		ug/L	5
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	5
91-20-3	Naphthalene	BRL		ug/L	5
106-47-8	4-Chloroaniline	BRL		ug/L	5
87-68-3	Hexachlorobutadiene	BRL		ug/L	5
59-50-7	4-Chloro-3-methylphenol	BRL		ug/L	5
91-57-6	2-Methylnaphthalene	BRL		ug/L	5
77-47-4	Hexachlorocyclopentadiene	BRL		ug/L	5
88-06-2	2,4,6-Trichlorophenol	BRL		ug/L	5
95-95-4	2,4,5-Trichlorophenol	BRL		ug/L	5
91-58-7	2-Chloronaphthalene	BRL		ug/L	5
88-74-4	2-Nitroaniline	BRL		ug/L	5
100-25-4	1,4-Dinitrobenzene	BRL		ug/L	5
131-11-3	Dimethyl phthalate	BRL		ug/L	5
99-65-0	1,3-Dinitrobenzene	BRL		ug/L	5
208-96-8	Acenaphthylene	BRL		ug/L	5
606-20-2	2,6-Dinitrotoluene	BRL		ug/L	5
528-29-0	1,2-Dinitrobenzene	BRL		ug/L	5
99-09-2	3-Nitroaniline	BRL		ug/L	5
83-32-9	Acenaphthene	BRL		ug/L	5
51-28-5	2,4-Dinitrophenol	BRL		ug/L	11
100-02-7	4-Nitrophenol	BRL		ug/L	5
132-64-9	Dibenzofuran	BRL		ug/L	5
121-14-2	2,4-Dinitrotoluene	BRL		ug/L	5

EPA Method 8270C (Continued)
Semivolatile Organics by GC/MS

Field ID:	**MW-3**	Matrix:	**Aqueous**
Project:	**Jameco/Watts/444-408H**	Container:	**1 L Amber Glass**
Client:	**Goldman Environmental Consultants, Inc.**	Preservation:	**Cool**
Laboratory ID:	**103576-10**	QC Batch ID:	**SV-2031-F**
Sampled:	**01-25-07 14:38**	Instrument ID:	**MS-12 Agilent 6890**
Received:	**01-29-07 18:00**	Sample Volume:	**950 mL**
Extracted:	**01-30-07 10:00**	Final Volume:	**1 mL**
Analyzed:	**02-01-07 11:12**	Dilution Factor:	**1**
Analyst:	**MJB**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
84-66-2	Diethyl phthalate	BRL		ug/L	5
7005-72-3	4-Chlorophenyl phenyl ether	BRL		ug/L	5
86-73-7	Fluorene	BRL		ug/L	5
100-01-6	4-Nitroaniline	BRL		ug/L	5
534-52-1	4,6-Dinitro-2-methylphenol	BRL		ug/L	5
86-30-6	N-Nitrosodiphenylamine †	BRL		ug/L	5
122-66-7	1,2-Diphenylhydrazine ◊	BRL		ug/L	5
101-55-3	4-Bromophenyl phenyl ether	BRL		ug/L	5
118-74-1	Hexachlorobenzene	BRL		ug/L	5
87-86-5	Pentachlorophenol	BRL		ug/L	5
85-01-8	Phenanthrene	BRL		ug/L	5
120-12-7	Anthracene	BRL		ug/L	5
86-74-8	Carbazole	BRL		ug/L	5
84-74-2	Di-*n*-butyl phthalate	BRL		ug/L	5
206-44-0	Fluoranthene	BRL		ug/L	5
129-00-0	Pyrene	BRL		ug/L	5
85-68-7	Butyl benzyl phthalate	BRL		ug/L	5
91-94-1	3,3'-Dichlorobenzidine	BRL		ug/L	5
56-55-3	Benzo[a]anthracene	BRL		ug/L	5
218-01-9	Chrysene	BRL		ug/L	5
117-81-7	Bis(2-ethylhexyl) phthalate	BRL		ug/L	5
117-84-0	Di-*n*-octyl phthalate	BRL		ug/L	5
205-99-2	Benzo[b]fluoranthene	BRL		ug/L	5
207-08-9	Benzo[k]fluoranthene	BRL		ug/L	5
50-32-8	Benzo[a]pyrene	BRL		ug/L	5
193-39-5	Indeno[1,2,3-c,d]pyrene	BRL		ug/L	5
53-70-3	Dibenzo[a,h]anthracene	BRL		ug/L	5
191-24-2	Benzo[g,h,i]perylene	BRL		ug/L	5

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
2-Fluorophenol	210	120	**56 %**	15 - 110 %
Phenol-d5	210	90	**43 %**	15 - 110 %
Nitrobenzene-d5	110	75	**71 %**	30 - 130 %
2-Fluorobiphenyl	110	74	**70 %**	30 - 130 %
2,4,6-Tribromophenol	210	180	**84 %**	15 - 110 %
Terphenyl-d14	110	77	**73 %**	30 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).
Sample extraction performed by EPA Method 3510C.

Report Notations:
BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.
* Analyzed as 4-Methylphenol.
† Reported as sum of N-Nitrosodiphenylamine and Diphenylamine.
◊ Analyzed as Azobenzene.

GROUNDWATER ANALYTICAL

EPA Method 8270C
Semivolatile Organics by GC/MS

Field ID:	**MW-5R**	Matrix:	**Aqueous**
Project:	**Jameco/Watts/444-408H**	Container:	**1 L Amber Glass**
Client:	**Goldman Environmental Consultants, Inc.**	Preservation:	**Cool**
Laboratory ID:	**103576-11**	QC Batch ID:	**SV-2031-F**
Sampled:	**01-25-07 14:35**	Instrument ID:	**MS-12 Agilent 6890**
Received:	**01-29-07 18:00**	Sample Volume:	**1000 mL**
Extracted:	**01-30-07 10:00**	Final Volume:	**1 mL**
Analyzed:	**02-01-07 12:39**	Dilution Factor:	**1**
Analyst:	**MJB**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
62-75-9	N-Nitrosodimethylamine	BRL		ug/L	5
110-86-1	Pyridine	BRL		ug/L	5
108-95-2	Phenol	BRL		ug/L	5
62-53-3	Aniline	BRL		ug/L	5
111-44-4	Bis(2-chloroethyl) ether	BRL		ug/L	5
95-57-8	2-Chlorophenol	BRL		ug/L	5
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	5
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	5
100-51-6	Benzyl Alcohol	BRL		ug/L	5
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	5
95-48-7	2-Methylphenol	BRL		ug/L	5
108-60-1	Bis(2-chloroisopropyl) ether	BRL		ug/L	5
108-39-4/106-44-5	3 and 4-Methylphenol *	BRL		ug/L	5
621-64-7	N-Nitrosodi-n-propylamine	BRL		ug/L	5
98-86-2	Acetophenone	BRL		ug/L	5
67-72-1	Hexachloroethane	BRL		ug/L	5
98-95-3	Nitrobenzene	BRL		ug/L	5
78-59-1	Isophorone	BRL		ug/L	5
88-75-5	2-Nitrophenol	BRL		ug/L	5
105-67-9	2,4-Dimethylphenol	BRL		ug/L	5
111-91-1	Bis(2-chloroethoxy) methane	BRL		ug/L	5
120-83-2	2,4-Dichlorophenol	13		ug/L	5
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	5
91-20-3	Naphthalene	BRL		ug/L	5
106-47-8	4-Chloroaniline	BRL		ug/L	5
87-68-3	Hexachlorobutadiene	BRL		ug/L	5
59-50-7	4-Chloro-3-methylphenol	BRL		ug/L	5
91-57-6	2-Methylnaphthalene	BRL		ug/L	5
77-47-4	Hexachlorocyclopentadiene	BRL		ug/L	5
88-06-2	2,4,6-Trichlorophenol	BRL		ug/L	5
95-95-4	2,4,5-Trichlorophenol	BRL		ug/L	5
91-58-7	2-Chloronaphthalene	BRL		ug/L	5
88-74-4	2-Nitroaniline	BRL		ug/L	5
100-25-4	1,4-Dinitrobenzene	BRL		ug/L	5
131-11-3	Dimethyl phthalate	BRL		ug/L	5
99-65-0	1,3-Dinitrobenzene	BRL		ug/L	5
208-96-8	Acenaphthylene	BRL		ug/L	5
606-20-2	2,6-Dinitrotoluene	BRL		ug/L	5
528-29-0	1,2-Dinitrobenzene	BRL		ug/L	5
99-09-2	3-Nitroaniline	BRL		ug/L	5
83-32-9	Acenaphthene	BRL		ug/L	5
51-28-5	2,4-Dinitrophenol	BRL		ug/L	10
100-02-7	4-Nitrophenol	BRL		ug/L	5
132-64-9	Dibenzofuran	BRL		ug/L	5
121-14-2	2,4-Dinitrotoluene	BRL		ug/L	5

GROUNDWATER ANALYTICAL

EPA Method 8270C (Continued)
Semivolatile Organics by GC/MS

Field ID:	**MW-5R**	Matrix:	**Aqueous**
Project:	**Jameco/Watts/444-408H**	Container:	**1 L Amber Glass**
Client:	**Goldman Environmental Consultants, Inc.**	Preservation:	**Cool**
Laboratory ID:	**103576-11**	QC Batch ID:	**SV-2031-F**
Sampled:	**01-25-07 14:35**	Instrument ID:	**MS-12 Agilent 6890**
Received:	**01-29-07 18:00**	Sample Volume:	**1000 mL**
Extracted:	**01-30-07 10:00**	Final Volume:	**1 mL**
Analyzed:	**02-01-07 12:39**	Dilution Factor:	**1**
Analyst:	**MJB**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
84-66-2	Diethyl phthalate	BRL		ug/L	5
7005-72-3	4-Chlorophenyl phenyl ether	BRL		ug/L	5
86-73-7	Fluorene	BRL		ug/L	5
100-01-6	4-Nitroaniline	BRL		ug/L	5
534-52-1	4,6-Dinitro-2-methylphenol	BRL		ug/L	5
86-30-6	N-Nitrosodiphenylamine †	BRL		ug/L	5
122-66-7	1,2-Diphenylhydrazine ◊	BRL		ug/L	5
101-55-3	4-Bromophenyl phenyl ether	BRL		ug/L	5
118-74-1	Hexachlorobenzene	BRL		ug/L	5
87-86-5	Pentachlorophenol	BRL		ug/L	5
85-01-8	Phenanthrene	BRL		ug/L	5
120-12-7	Anthracene	BRL		ug/L	5
86-74-8	Carbazole	BRL		ug/L	5
84-74-2	Di-*n*-butyl phthalate	BRL		ug/L	5
206-44-0	Fluoranthene	BRL		ug/L	5
129-00-0	Pyrene	BRL		ug/L	5
85-68-7	Butyl benzyl phthalate	BRL		ug/L	5
91-94-1	3,3'-Dichlorobenzidine	BRL		ug/L	5
56-55-3	Benzo[a]anthracene	BRL		ug/L	5
218-01-9	Chrysene	BRL		ug/L	5
117-81-7	Bis(2-ethylhexyl) phthalate	BRL		ug/L	5
117-84-0	Di-*n*-octyl phthalate	BRL		ug/L	5
205-99-2	Benzo[b]fluoranthene	BRL		ug/L	5
207-08-9	Benzo[k]fluoranthene	BRL		ug/L	5
50-32-8	Benzo[a]pyrene	BRL		ug/L	5
193-39-5	Indeno[1,2,3-c,d]pyrene	BRL		ug/L	5
53-70-3	Dibenzo[a,h]anthracene	BRL		ug/L	5
191-24-2	Benzo[g,h,i]perylene	BRL		ug/L	5

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
2-Fluorophenol	200	120	**59 %**	15 - 110 %
Phenol-d5	200	94	**47 %**	15 - 110 %
Nitrobenzene-d5	100	76	**76 %**	30 - 130 %
2-Fluorobiphenyl	100	73	**73 %**	30 - 130 %
2,4,6-Tribromophenol	200	180	**88 %**	15 - 110 %
Terphenyl-d14	100	72	**72 %**	30 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).
Sample extraction performed by EPA Method 3510C.

Report Notations:
BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

* Analyzed as 4-Methylphenol.

† Reported as sum of N-Nitrosodiphenylamine and Diphenylamine.

◊ Analyzed as Azobenzene.

GROUNDWATER ANALYTICAL

EPA Method 8270C
Semivolatile Organics by GC/MS

Field ID:	**MW-10**	Matrix:	**Aqueous**
Project:	**Jameco/Watts/444-408H**	Container:	**1 L Amber Glass**
Client:	**Goldman Environmental Consultants, Inc.**	Preservation:	**Cool**
Laboratory ID:	**103576-12**	QC Batch ID:	**SV-2031-F**
Sampled:	**01-24-07 19:51**	Instrument ID:	**MS-12 Agilent 6890**
Received:	**01-29-07 18:00**	Sample Volume:	**1000 mL**
Extracted:	**01-30-07 10:00**	Final Volume:	**1 mL**
Analyzed:	**02-01-07 14:08**	Dilution Factor:	**1**
Analyst:	**MJB**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
62-75-9	N-Nitrosodimethylamine	BRL		ug/L	5
110-86-1	Pyridine	BRL		ug/L	5
108-95-2	Phenol	BRL		ug/L	5
62-53-3	Aniline	BRL		ug/L	5
111-44-4	Bis(2-chloroethyl) ether	BRL		ug/L	5
95-57-8	2-Chlorophenol	BRL		ug/L	5
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	5
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	5
100-51-6	Benzyl Alcohol	BRL		ug/L	5
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	5
95-48-7	2-Methylphenol	BRL		ug/L	5
108-60-1	Bis(2-chloroisopropyl) ether	BRL		ug/L	5
108-39-4/106-44-5	3 and 4-Methylphenol *	BRL		ug/L	5
621-64-7	N-Nitrosodi-n-propylamine	BRL		ug/L	5
98-86-2	Acetophenone	BRL		ug/L	5
67-72-1	Hexachloroethane	BRL		ug/L	5
98-95-3	Nitrobenzene	BRL		ug/L	5
78-59-1	Isophorone	BRL		ug/L	5
88-75-5	2-Nitrophenol	BRL		ug/L	5
105-67-9	2,4-Dimethylphenol	BRL		ug/L	5
111-91-1	Bis(2-chloroethoxy) methane	BRL		ug/L	5
120-83-2	2,4-Dichlorophenol	BRL		ug/L	5
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	5
91-20-3	Naphthalene	BRL		ug/L	5
106-47-8	4-Chloroaniline	BRL		ug/L	5
87-68-3	Hexachlorobutadiene	BRL		ug/L	5
59-50-7	4-Chloro-3-methylphenol	BRL		ug/L	5
91-57-6	2-Methylnaphthalene	BRL		ug/L	5
77-47-4	Hexachlorocyclopentadiene	BRL		ug/L	5
88-06-2	2,4,6-Trichlorophenol	BRL		ug/L	5
95-95-4	2,4,5-Trichlorophenol	BRL		ug/L	5
91-58-7	2-Chloronaphthalene	BRL		ug/L	5
88-74-4	2-Nitroaniline	BRL		ug/L	5
100-25-4	1,4-Dinitrobenzene	BRL		ug/L	5
131-11-3	Dimethyl phthalate	BRL		ug/L	5
99-65-0	1,3-Dinitrobenzene	BRL		ug/L	5
208-96-8	Acenaphthylene	BRL		ug/L	5
606-20-2	2,6-Dinitrotoluene	BRL		ug/L	5
528-29-0	1,2-Dinitrobenzene	BRL		ug/L	5
99-09-2	3-Nitroaniline	BRL		ug/L	5
83-32-9	Acenaphthene	BRL		ug/L	5
51-28-5	2,4-Dinitrophenol	BRL		ug/L	10
100-02-7	4-Nitrophenol	BRL		ug/L	5
132-64-9	Dibenzofuran	BRL		ug/L	5
121-14-2	2,4-Dinitrotoluene	BRL		ug/L	5

GROUNDWATER ANALYTICAL

EPA Method 8270C (Continued)
Semivolatile Organics by GC/MS

Field ID:	**MW-10**	Matrix:	**Aqueous**
Project:	**Jameco/Watts/444-408H**	Container:	**1 L Amber Glass**
Client:	**Goldman Environmental Consultants, Inc.**	Preservation:	**Cool**
Laboratory ID:	**103576-12**	QC Batch ID:	**SV-2031-F**
Sampled:	**01-24-07 19:51**	Instrument ID:	**MS-12 Agilent 6890**
Received:	**01-29-07 18:00**	Sample Volume:	**1000 mL**
Extracted:	**01-30-07 10:00**	Final Volume:	**1 mL**
Analyzed:	**02-01-07 14:08**	Dilution Factor:	**1**
Analyst:	**MJB**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
84-66-2	Diethyl phthalate	BRL		ug/L	5
7005-72-3	4-Chlorophenyl phenyl ether	BRL		ug/L	5
86-73-7	Fluorene	BRL		ug/L	5
100-01-6	4-Nitroaniline	BRL		ug/L	5
534-52-1	4,6-Dinitro-2-methylphenol	BRL		ug/L	5
86-30-6	N-Nitrosodiphenylamine †	BRL		ug/L	5
122-66-7	1,2-Diphenylhydrazine ◊	BRL		ug/L	5
101-55-3	4-Bromophenyl phenyl ether	BRL		ug/L	5
118-74-1	Hexachlorobenzene	BRL		ug/L	5
87-86-5	Pentachlorophenol	BRL		ug/L	5
85-01-8	Phenanthrene	BRL		ug/L	5
120-12-7	Anthracene	BRL		ug/L	5
86-74-8	Carbazole	BRL		ug/L	5
84-74-2	Di-*n*-butyl phthalate	BRL		ug/L	5
206-44-0	Fluoranthene	BRL		ug/L	5
129-00-0	Pyrene	BRL		ug/L	5
85-68-7	Butyl benzyl phthalate	BRL		ug/L	5
91-94-1	3,3'-Dichlorobenzidine	BRL		ug/L	5
56-55-3	Benzo[a]anthracene	BRL		ug/L	5
218-01-9	Chrysene	BRL		ug/L	5
117-81-7	Bis(2-ethylhexyl) phthalate	BRL		ug/L	5
117-84-0	Di-*n*-octyl phthalate	BRL		ug/L	5
205-99-2	Benzo[b]fluoranthene	BRL		ug/L	5
207-08-9	Benzo[k]fluoranthene	BRL		ug/L	5
50-32-8	Benzo[a]pyrene	BRL		ug/L	5
193-39-5	Indeno[1,2,3-c,d]pyrene	BRL		ug/L	5
53-70-3	Dibenzo[a,h]anthracene	BRL		ug/L	5
191-24-2	Benzo[g,h,i]perylene	BRL		ug/L	5

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
2-Fluorophenol	200	120	**58 %**	15 - 110 %
Phenol-d5	200	93	**46 %**	15 - 110 %
Nitrobenzene-d5	100	76	**76 %**	30 - 130 %
2-Fluorobiphenyl	100	74	**74 %**	30 - 130 %
2,4,6-Tribromophenol	200	170	**83 %**	15 - 110 %
Terphenyl-d14	100	56	**56 %**	30 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).
Sample extraction performed by EPA Method 3510C.

Report Notations:
BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.
* Analyzed as 4-Methylphenol.
† Reported as sum of N-Nitrosodiphenylamine and Diphenylamine.
◊ Analyzed as Azobenzene.

GROUNDWATER ANALYTICAL

EPA Method 8270C
Semivolatile Organics by GC/MS

Field ID:	**MW-11**	Matrix:	**Aqueous**
Project:	**Jameco/Watts/444-408H**	Container:	**1 L Amber Glass**
Client:	**Goldman Environmental Consultants, Inc.**	Preservation:	**Cool**
Laboratory ID:	**103576-13**	QC Batch ID:	**SV-2031-F**
Sampled:	**01-25-07 18:03**	Instrument ID:	**MS-12 Agilent 6890**
Received:	**01-29-07 18:00**	Sample Volume:	**1000 mL**
Extracted:	**01-30-07 10:00**	Final Volume:	**1 mL**
Analyzed:	**02-01-07 14:52**	Dilution Factor:	**1**
Analyst:	**MJB**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
62-75-9	N-Nitrosodimethylamine	BRL		ug/L	5
110-86-1	Pyridine	BRL		ug/L	5
108-95-2	Phenol	BRL		ug/L	5
62-53-3	Aniline	BRL		ug/L	5
111-44-4	Bis(2-chloroethyl) ether	BRL		ug/L	5
95-57-8	2-Chlorophenol	BRL		ug/L	5
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	5
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	5
100-51-6	Benzyl Alcohol	BRL		ug/L	5
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	5
95-48-7	2-Methylphenol	BRL		ug/L	5
108-60-1	Bis(2-chloroisopropyl) ether	BRL		ug/L	5
108-39-4/106-44-5	3 and 4-Methylphenol *	BRL		ug/L	5
621-64-7	N-Nitrosodi-n-propylamine	BRL		ug/L	5
98-86-2	Acetophenone	BRL		ug/L	5
67-72-1	Hexachloroethane	BRL		ug/L	5
98-95-3	Nitrobenzene	BRL		ug/L	5
78-59-1	Isophorone	BRL		ug/L	5
88-75-5	2-Nitrophenol	BRL		ug/L	5
105-67-9	2,4-Dimethylphenol	BRL		ug/L	5
111-91-1	Bis(2-chloroethoxy) methane	BRL		ug/L	5
120-83-2	2,4-Dichlorophenol	BRL		ug/L	5
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	5
91-20-3	Naphthalene	BRL		ug/L	5
106-47-8	4-Chloroaniline	BRL		ug/L	5
87-68-3	Hexachlorobutadiene	BRL		ug/L	5
59-50-7	4-Chloro-3-methylphenol	BRL		ug/L	5
91-57-6	2-Methylnaphthalene	BRL		ug/L	5
77-47-4	Hexachlorocyclopentadiene	BRL		ug/L	5
88-06-2	2,4,6-Trichlorophenol	BRL		ug/L	5
95-95-4	2,4,5-Trichlorophenol	BRL		ug/L	5
91-58-7	2-Chloronaphthalene	BRL		ug/L	5
88-74-4	2-Nitroaniline	BRL		ug/L	5
100-25-4	1,4-Dinitrobenzene	BRL		ug/L	5
131-11-3	Dimethyl phthalate	BRL		ug/L	5
99-65-0	1,3-Dinitrobenzene	BRL		ug/L	5
208-96-8	Acenaphthylene	BRL		ug/L	5
606-20-2	2,6-Dinitrotoluene	BRL		ug/L	5
528-29-0	1,2-Dinitrobenzene	BRL		ug/L	5
99-09-2	3-Nitroaniline	BRL		ug/L	5
83-32-9	Acenaphthene	BRL		ug/L	5
51-28-5	2,4-Dinitrophenol	BRL		ug/L	10
100-02-7	4-Nitrophenol	BRL		ug/L	5
132-64-9	Dibenzofuran	BRL		ug/L	5
121-14-2	2,4-Dinitrotoluene	BRL		ug/L	5

EPA Method 8270C (Continued)
Semivolatile Organics by GC/MS

Field ID:	**MW-11**	Matrix:	**Aqueous**
Project:	**Jameco/Watts/444-408H**	Container:	**1 L Amber Glass**
Client:	**Goldman Environmental Consultants, Inc.**	Preservation:	**Cool**
Laboratory ID:	**103576-13**	QC Batch ID:	**SV-2031-F**
Sampled:	**01-25-07 18:03**	Instrument ID:	**MS-12 Agilent 6890**
Received:	**01-29-07 18:00**	Sample Volume:	**1000 mL**
Extracted:	**01-30-07 10:00**	Final Volume:	**1 mL**
Analyzed:	**02-01-07 14:52**	Dilution Factor:	**1**
Analyst:	**MJB**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
84-66-2	Diethyl phthalate	BRL		ug/L	5
7005-72-3	4-Chlorophenyl phenyl ether	BRL		ug/L	5
86-73-7	Fluorene	BRL		ug/L	5
100-01-6	4-Nitroaniline	BRL		ug/L	5
534-52-1	4,6-Dinitro-2-methylphenol	BRL		ug/L	5
86-30-6	N-Nitrosodiphenylamine †	BRL		ug/L	5
122-66-7	1,2-Diphenylhydrazine ◊	BRL		ug/L	5
101-55-3	4-Bromophenyl phenyl ether	BRL		ug/L	5
118-74-1	Hexachlorobenzene	BRL		ug/L	5
87-86-5	Pentachlorophenol	BRL		ug/L	5
85-01-8	Phenanthrene	BRL		ug/L	5
120-12-7	Anthracene	BRL		ug/L	5
86-74-8	Carbazole	BRL		ug/L	5
84-74-2	Di-*n*-butyl phthalate	BRL		ug/L	5
206-44-0	Fluoranthene	BRL		ug/L	5
129-00-0	Pyrene	BRL		ug/L	5
85-68-7	Butyl benzyl phthalate	BRL		ug/L	5
91-94-1	3,3'-Dichlorobenzidine	BRL		ug/L	5
56-55-3	Benzo[a]anthracene	BRL		ug/L	5
218-01-9	Chrysene	BRL		ug/L	5
117-81-7	Bis(2-ethylhexyl) phthalate	BRL		ug/L	5
117-84-0	Di-*n*-octyl phthalate	BRL		ug/L	5
205-99-2	Benzo[b]fluoranthene	BRL		ug/L	5
207-08-9	Benzo[k]fluoranthene	BRL		ug/L	5
50-32-8	Benzo[a]pyrene	BRL		ug/L	5
193-39-5	Indeno[1,2,3-c,d]pyrene	BRL		ug/L	5
53-70-3	Dibenzo[a,h]anthracene	BRL		ug/L	5
191-24-2	Benzo[g,h,i]perylene	BRL		ug/L	5

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
2-Fluorophenol	200	110	**57 %**	15 - 110 %
Phenol-d5	200	88	**44 %**	15 - 110 %
Nitrobenzene-d5	100	75	**75 %**	30 - 130 %
2-Fluorobiphenyl	100	73	**73 %**	30 - 130 %
2,4,6-Tribromophenol	200	160	**82 %**	15 - 110 %
Terphenyl-d14	100	70	**70 %**	30 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).
Sample extraction performed by EPA Method 3510C.

Report Notations:
BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

* Analyzed as 4-Methylphenol.

† Reported as sum of N-Nitrosodiphenylamine and Diphenylamine.

◊ Analyzed as Azobenzene.

GROUNDWATER ANALYTICAL

EPA Method 8270C
Semivolatile Organics by GC/MS

Field ID:	**MW-12**	Matrix:	**Aqueous**
Project:	**Jameco/Watts/444-408H**	Container:	**1 L Amber Glass**
Client:	**Goldman Environmental Consultants, Inc.**	Preservation:	**Cool**
Laboratory ID:	**103576-14**	QC Batch ID:	**SV-2031-F**
Sampled:	**01-25-07 17:10**	Instrument ID:	**MS-12 Agilent 6890**
Received:	**01-29-07 18:00**	Sample Volume:	**1000 mL**
Extracted:	**01-30-07 10:00**	Final Volume:	**1 mL**
Analyzed:	**02-01-07 15:36**	Dilution Factor:	**1**
Analyst:	**MJB**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
62-75-9	N-Nitrosodimethylamine	BRL		ug/L	5
110-86-1	Pyridine	BRL		ug/L	5
108-95-2	Phenol	BRL		ug/L	5
62-53-3	Aniline	BRL		ug/L	5
111-44-4	Bis(2-chloroethyl) ether	BRL		ug/L	5
95-57-8	2-Chlorophenol	BRL		ug/L	5
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	5
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	5
100-51-6	Benzyl Alcohol	BRL		ug/L	5
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	5
95-48-7	2-Methylphenol	BRL		ug/L	5
108-60-1	Bis(2-chloroisopropyl) ether	BRL		ug/L	5
108-39-4/106-44-5	3 and 4-Methylphenol *	BRL		ug/L	5
621-64-7	N-Nitrosodi-n-propylamine	BRL		ug/L	5
98-86-2	Acetophenone	BRL		ug/L	5
67-72-1	Hexachloroethane	BRL		ug/L	5
98-95-3	Nitrobenzene	BRL		ug/L	5
78-59-1	Isophorone	BRL		ug/L	5
88-75-5	2-Nitrophenol	BRL		ug/L	5
105-67-9	2,4-Dimethylphenol	BRL		ug/L	5
111-91-1	Bis(2-chloroethoxy) methane	BRL		ug/L	5
120-83-2	2,4-Dichlorophenol	BRL		ug/L	5
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	5
91-20-3	Naphthalene	BRL		ug/L	5
106-47-8	4-Chloroaniline	BRL		ug/L	5
87-68-3	Hexachlorobutadiene	BRL		ug/L	5
59-50-7	4-Chloro-3-methylphenol	BRL		ug/L	5
91-57-6	2-Methylnaphthalene	BRL		ug/L	5
77-47-4	Hexachlorocyclopentadiene	BRL		ug/L	5
88-06-2	2,4,6-Trichlorophenol	BRL		ug/L	5
95-95-4	2,4,5-Trichlorophenol	BRL		ug/L	5
91-58-7	2-Chloronaphthalene	BRL		ug/L	5
88-74-4	2-Nitroaniline	BRL		ug/L	5
100-25-4	1,4-Dinitrobenzene	BRL		ug/L	5
131-11-3	Dimethyl phthalate	BRL		ug/L	5
99-65-0	1,3-Dinitrobenzene	BRL		ug/L	5
208-96-8	Acenaphthylene	BRL		ug/L	5
606-20-2	2,6-Dinitrotoluene	BRL		ug/L	5
528-29-0	1,2-Dinitrobenzene	BRL		ug/L	5
99-09-2	3-Nitroaniline	BRL		ug/L	5
83-32-9	Acenaphthene	BRL		ug/L	5
51-28-5	2,4-Dinitrophenol	BRL		ug/L	10
100-02-7	4-Nitrophenol	BRL		ug/L	5
132-64-9	Dibenzofuran	BRL		ug/L	5
121-14-2	2,4-Dinitrotoluene	BRL		ug/L	5

EPA Method 8270C (Continued)
Semivolatile Organics by GC/MS

Field ID:	**MW-12**	Matrix:	**Aqueous**
Project:	**Jameco/Watts/444-408H**	Container:	**1 L Amber Glass**
Client:	**Goldman Environmental Consultants, Inc.**	Preservation:	**Cool**
Laboratory ID:	**103576-14**	QC Batch ID:	**SV-2031-F**
Sampled:	**01-25-07 17:10**	Instrument ID:	**MS-12 Agilent 6890**
Received:	**01-29-07 18:00**	Sample Volume:	**1000 mL**
Extracted:	**01-30-07 10:00**	Final Volume:	**1 mL**
Analyzed:	**02-01-07 15:36**	Dilution Factor:	**1**
Analyst:	**MJB**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
84-66-2	Diethyl phthalate	BRL		ug/L	5
7005-72-3	4-Chlorophenyl phenyl ether	BRL		ug/L	5
86-73-7	Fluorene	BRL		ug/L	5
100-01-6	4-Nitroaniline	BRL		ug/L	5
534-52-1	4,6-Dinitro-2-methylphenol	BRL		ug/L	5
86-30-6	N-Nitrosodiphenylamine †	BRL		ug/L	5
122-66-7	1,2-Diphenylhydrazine ◊	BRL		ug/L	5
101-55-3	4-Bromophenyl phenyl ether	BRL		ug/L	5
118-74-1	Hexachlorobenzene	BRL		ug/L	5
87-86-5	Pentachlorophenol	BRL		ug/L	5
85-01-8	Phenanthrene	BRL		ug/L	5
120-12-7	Anthracene	BRL		ug/L	5
86-74-8	Carbazole	BRL		ug/L	5
84-74-2	Di-*n*-butyl phthalate	BRL		ug/L	5
206-44-0	Fluoranthene	BRL		ug/L	5
129-00-0	Pyrene	BRL		ug/L	5
85-68-7	Butyl benzyl phthalate	BRL		ug/L	5
91-94-1	3,3'-Dichlorobenzidine	BRL		ug/L	5
56-55-3	Benzo[a]anthracene	BRL		ug/L	5
218-01-9	Chrysene	BRL		ug/L	5
117-81-7	Bis(2-ethylhexyl) phthalate	BRL		ug/L	5
117-84-0	Di-*n*-octyl phthalate	BRL		ug/L	5
205-99-2	Benzo[b]fluoranthene	BRL		ug/L	5
207-08-9	Benzo[k]fluoranthene	BRL		ug/L	5
50-32-8	Benzo[a]pyrene	BRL		ug/L	5
193-39-5	Indeno[1,2,3-c,d]pyrene	BRL		ug/L	5
53-70-3	Dibenzo[a,h]anthracene	BRL		ug/L	5
191-24-2	Benzo[g,h,i]perylene	BRL		ug/L	5

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
2-Fluorophenol	200	120	**61 %**	15 - 110 %
Phenol-d5	200	91	**45 %**	15 - 110 %
Nitrobenzene-d5	100	79	**79 %**	30 - 130 %
2-Fluorobiphenyl	100	76	**76 %**	30 - 130 %
2,4,6-Tribromophenol	200	170	**86 %**	15 - 110 %
Terphenyl-d14	100	74	**74 %**	30 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).
Sample extraction performed by EPA Method 3510C.

Report Notations:
BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.
* Analyzed as 4-Methylphenol.
† Reported as sum of N-Nitrosodiphenylamine and Diphenylamine.
◊ Analyzed as Azobenzene.

GROUNDWATER ANALYTICAL

EPA Method 8270C
Semivolatile Organics by GC/MS

Field ID:	**MW-17**	Matrix:	**Aqueous**
Project:	**Jameco/Watts/444-408H**	Container:	**1 L Amber Glass**
Client:	**Goldman Environmental Consultants, Inc.**	Preservation:	**Cool**
Laboratory ID:	**103576-15**	QC Batch ID:	**SV-2031-F**
Sampled:	**01-25-07 15:57**	Instrument ID:	**MS-12 Agilent 6890**
Received:	**01-29-07 18:00**	Sample Volume:	**1000 mL**
Extracted:	**01-30-07 10:00**	Final Volume:	**1 mL**
Analyzed:	**02-01-07 16:20**	Dilution Factor:	**1**
Analyst:	**MJB**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
62-75-9	N-Nitrosodimethylamine	BRL		ug/L	5
110-86-1	Pyridine	BRL		ug/L	5
108-95-2	Phenol	BRL		ug/L	5
62-53-3	Aniline	BRL		ug/L	5
111-44-4	Bis(2-chloroethyl) ether	BRL		ug/L	5
95-57-8	2-Chlorophenol	BRL		ug/L	5
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	5
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	5
100-51-6	Benzyl Alcohol	BRL		ug/L	5
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	5
95-48-7	2-Methylphenol	BRL		ug/L	5
108-60-1	Bis(2-chloroisopropyl) ether	BRL		ug/L	5
108-39-4/106-44-5	3 and 4-Methylphenol *	BRL		ug/L	5
621-64-7	N-Nitrosodi-n-propylamine	BRL		ug/L	5
98-86-2	Acetophenone	BRL		ug/L	5
67-72-1	Hexachloroethane	BRL		ug/L	5
98-95-3	Nitrobenzene	BRL		ug/L	5
78-59-1	Isophorone	BRL		ug/L	5
88-75-5	2-Nitrophenol	BRL		ug/L	5
105-67-9	2,4-Dimethylphenol	BRL		ug/L	5
111-91-1	Bis(2-chloroethoxy) methane	BRL		ug/L	5
120-83-2	2,4-Dichlorophenol	BRL		ug/L	5
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	5
91-20-3	Naphthalene	BRL		ug/L	5
106-47-8	4-Chloroaniline	BRL		ug/L	5
87-68-3	Hexachlorobutadiene	BRL		ug/L	5
59-50-7	4-Chloro-3-methylphenol	BRL		ug/L	5
91-57-6	2-Methylnaphthalene	BRL		ug/L	5
77-47-4	Hexachlorocyclopentadiene	BRL		ug/L	5
88-06-2	2,4,6-Trichlorophenol	BRL		ug/L	5
95-95-4	2,4,5-Trichlorophenol	BRL		ug/L	5
91-58-7	2-Chloronaphthalene	BRL		ug/L	5
88-74-4	2-Nitroaniline	BRL		ug/L	5
100-25-4	1,4-Dinitrobenzene	BRL		ug/L	5
131-11-3	Dimethyl phthalate	BRL		ug/L	5
99-65-0	1,3-Dinitrobenzene	BRL		ug/L	5
208-96-8	Acenaphthylene	BRL		ug/L	5
606-20-2	2,6-Dinitrotoluene	BRL		ug/L	5
528-29-0	1,2-Dinitrobenzene	BRL		ug/L	5
99-09-2	3-Nitroaniline	BRL		ug/L	5
83-32-9	Acenaphthene	BRL		ug/L	5
51-28-5	2,4-Dinitrophenol	BRL		ug/L	10
100-02-7	4-Nitrophenol	BRL		ug/L	5
132-64-9	Dibenzofuran	BRL		ug/L	5
121-14-2	2,4-Dinitrotoluene	BRL		ug/L	5

EPA Method 8270C (Continued)
Semivolatile Organics by GC/MS

Field ID:	**MW-17**	Matrix:	**Aqueous**
Project:	**Jameco/Watts/444-408H**	Container:	**1 L Amber Glass**
Client:	**Goldman Environmental Consultants, Inc.**	Preservation:	**Cool**
Laboratory ID:	**103576-15**	QC Batch ID:	**SV-2031-F**
Sampled:	**01-25-07 15:57**	Instrument ID:	**MS-12 Agilent 6890**
Received:	**01-29-07 18:00**	Sample Volume:	**1000 mL**
Extracted:	**01-30-07 10:00**	Final Volume:	**1 mL**
Analyzed:	**02-01-07 16:20**	Dilution Factor:	**1**
Analyst:	**MJB**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
84-66-2	Diethyl phthalate	6		ug/L	5
7005-72-3	4-Chlorophenyl phenyl ether	BRL		ug/L	5
86-73-7	Fluorene	BRL		ug/L	5
100-01-6	4-Nitroaniline	BRL		ug/L	5
534-52-1	4,6-Dinitro-2-methylphenol	BRL		ug/L	5
86-30-6	N-Nitrosodiphenylamine †	BRL		ug/L	5
122-66-7	1,2-Diphenylhydrazine ◊	BRL		ug/L	5
101-55-3	4-Bromophenyl phenyl ether	BRL		ug/L	5
118-74-1	Hexachlorobenzene	BRL		ug/L	5
87-86-5	Pentachlorophenol	BRL		ug/L	5
85-01-8	Phenanthrene	BRL		ug/L	5
120-12-7	Anthracene	BRL		ug/L	5
86-74-8	Carbazole	BRL		ug/L	5
84-74-2	Di-*n*-butyl phthalate	BRL		ug/L	5
206-44-0	Fluoranthene	BRL		ug/L	5
129-00-0	Pyrene	BRL		ug/L	5
85-68-7	Butyl benzyl phthalate	BRL		ug/L	5
91-94-1	3,3'-Dichlorobenzidine	BRL		ug/L	5
56-55-3	Benzo[a]anthracene	BRL		ug/L	5
218-01-9	Chrysene	BRL		ug/L	5
117-81-7	Bis(2-ethylhexyl) phthalate	BRL		ug/L	5
117-84-0	Di-*n*-octyl phthalate	BRL		ug/L	5
205-99-2	Benzo[b]fluoranthene	BRL		ug/L	5
207-08-9	Benzo[k]fluoranthene	BRL		ug/L	5
50-32-8	Benzo[a]pyrene	BRL		ug/L	5
193-39-5	Indeno[1,2,3-c,d]pyrene	BRL		ug/L	5
53-70-3	Dibenzo[a,h]anthracene	BRL		ug/L	5
191-24-2	Benzo[g,h,i]perylene	BRL		ug/L	5

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
2-Fluorophenol	200	120	**59 %**	15 - 110 %
Phenol-d5	200	89	**44 %**	15 - 110 %
Nitrobenzene-d5	100	77	**77 %**	30 - 130 %
2-Fluorobiphenyl	100	75	**75 %**	30 - 130 %
2,4,6-Tribromophenol	200	180	**88 %**	15 - 110 %
Terphenyl-d14	100	69	**69 %**	30 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).
Sample extraction performed by EPA Method 3510C.

Report Notations:
BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.
* Analyzed as 4-Methylphenol.
† Reported as sum of N-Nitrosodiphenylamine and Diphenylamine.
◊ Analyzed as Azobenzene.

GROUNDWATER ANALYTICAL

EPA Method 8270C
Semivolatile Organics by GC/MS

Field ID:	**MW-20**	Matrix:	**Aqueous**
Project:	**Jameco/Watts/444-408H**	Container:	**1 L Amber Glass**
Client:	**Goldman Environmental Consultants, Inc.**	Preservation:	**Cool**
Laboratory ID:	**103576-16**	QC Batch ID:	**SV-2031-F**
Sampled:	**01-25-07 19:00**	Instrument ID:	**MS-12 Agilent 6890**
Received:	**01-29-07 18:00**	Sample Volume:	**1000 mL**
Extracted:	**01-30-07 10:00**	Final Volume:	**1 mL**
Analyzed:	**02-01-07 17:05**	Dilution Factor:	**1**
Analyst:	**MJB**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
62-75-9	N-Nitrosodimethylamine	BRL		ug/L	5
110-86-1	Pyridine	BRL		ug/L	5
108-95-2	Phenol	BRL		ug/L	5
62-53-3	Aniline	BRL		ug/L	5
111-44-4	Bis(2-chloroethyl) ether	BRL		ug/L	5
95-57-8	2-Chlorophenol	BRL		ug/L	5
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	5
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	5
100-51-6	Benzyl Alcohol	BRL		ug/L	5
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	5
95-48-7	2-Methylphenol	BRL		ug/L	5
108-60-1	Bis(2-chloroisopropyl) ether	BRL		ug/L	5
108-39-4/106-44-5	3 and 4-Methylphenol *	BRL		ug/L	5
621-64-7	N-Nitrosodi-n-propylamine	BRL		ug/L	5
98-86-2	Acetophenone	BRL		ug/L	5
67-72-1	Hexachloroethane	BRL		ug/L	5
98-95-3	Nitrobenzene	BRL		ug/L	5
78-59-1	Isophorone	BRL		ug/L	5
88-75-5	2-Nitrophenol	BRL		ug/L	5
105-67-9	2,4-Dimethylphenol	BRL		ug/L	5
111-91-1	Bis(2-chloroethoxy) methane	BRL		ug/L	5
120-83-2	2,4-Dichlorophenol	BRL		ug/L	5
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	5
91-20-3	Naphthalene	BRL		ug/L	5
106-47-8	4-Chloroaniline	BRL		ug/L	5
87-68-3	Hexachlorobutadiene	BRL		ug/L	5
59-50-7	4-Chloro-3-methylphenol	BRL		ug/L	5
91-57-6	2-Methylnaphthalene	BRL		ug/L	5
77-47-4	Hexachlorocyclopentadiene	BRL		ug/L	5
88-06-2	2,4,6-Trichlorophenol	BRL		ug/L	5
95-95-4	2,4,5-Trichlorophenol	BRL		ug/L	5
91-58-7	2-Chloronaphthalene	BRL		ug/L	5
88-74-4	2-Nitroaniline	BRL		ug/L	5
100-25-4	1,4-Dinitrobenzene	BRL		ug/L	5
131-11-3	Dimethyl phthalate	BRL		ug/L	5
99-65-0	1,3-Dinitrobenzene	BRL		ug/L	5
208-96-8	Acenaphthylene	BRL		ug/L	5
606-20-2	2,6-Dinitrotoluene	BRL		ug/L	5
528-29-0	1,2-Dinitrobenzene	BRL		ug/L	5
99-09-2	3-Nitroaniline	BRL		ug/L	5
83-32-9	Acenaphthene	BRL		ug/L	5
51-28-5	2,4-Dinitrophenol	BRL		ug/L	10
100-02-7	4-Nitrophenol	BRL		ug/L	5
132-64-9	Dibenzofuran	BRL		ug/L	5
121-14-2	2,4-Dinitrotoluene	BRL		ug/L	5

GROUNDWATER ANALYTICAL

EPA Method 8270C (Continued)
Semivolatile Organics by GC/MS

Field ID:	**MW-20**	Matrix:	**Aqueous**
Project:	**Jameco/Watts/444-408H**	Container:	**1 L Amber Glass**
Client:	**Goldman Environmental Consultants, Inc.**	Preservation:	**Cool**
Laboratory ID:	**103576-16**	QC Batch ID:	**SV-2031-F**
Sampled:	**01-25-07 19:00**	Instrument ID:	**MS-12 Agilent 6890**
Received:	**01-29-07 18:00**	Sample Volume:	**1000 mL**
Extracted:	**01-30-07 10:00**	Final Volume:	**1 mL**
Analyzed:	**02-01-07 17:05**	Dilution Factor:	**1**
Analyst:	**MJB**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
84-66-2	Diethyl phthalate	BRL		ug/L	5
7005-72-3	4-Chlorophenyl phenyl ether	BRL		ug/L	5
86-73-7	Fluorene	BRL		ug/L	5
100-01-6	4-Nitroaniline	BRL		ug/L	5
534-52-1	4,6-Dinitro-2-methylphenol	BRL		ug/L	5
86-30-6	N-Nitrosodiphenylamine †	BRL		ug/L	5
122-66-7	1,2-Diphenylhydrazine ◊	BRL		ug/L	5
101-55-3	4-Bromophenyl phenyl ether	BRL		ug/L	5
118-74-1	Hexachlorobenzene	BRL		ug/L	5
87-86-5	Pentachlorophenol	BRL		ug/L	5
85-01-8	Phenanthrene	BRL		ug/L	5
120-12-7	Anthracene	BRL		ug/L	5
86-74-8	Carbazole	BRL		ug/L	5
84-74-2	Di-*n*-butyl phthalate	BRL		ug/L	5
206-44-0	Fluoranthene	BRL		ug/L	5
129-00-0	Pyrene	BRL		ug/L	5
85-68-7	Butyl benzyl phthalate	BRL		ug/L	5
91-94-1	3,3'-Dichlorobenzidine	BRL		ug/L	5
56-55-3	Benzo[a]anthracene	BRL		ug/L	5
218-01-9	Chrysene	BRL		ug/L	5
117-81-7	Bis(2-ethylhexyl) phthalate	BRL		ug/L	5
117-84-0	Di-*n*-octyl phthalate	BRL		ug/L	5
205-99-2	Benzo[b]fluoranthene	BRL		ug/L	5
207-08-9	Benzo[k]fluoranthene	BRL		ug/L	5
50-32-8	Benzo[a]pyrene	BRL		ug/L	5
193-39-5	Indeno[1,2,3-c,d]pyrene	BRL		ug/L	5
53-70-3	Dibenzo[a,h]anthracene	BRL		ug/L	5
191-24-2	Benzo[g,h,i]perylene	BRL		ug/L	5

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
2-Fluorophenol	200	110	57 %	15 - 110 %
Phenol-d5	200	87	43 %	15 - 110 %
Nitrobenzene-d5	100	74	74 %	30 - 130 %
2-Fluorobiphenyl	100	74	74 %	30 - 130 %
2,4,6-Tribromophenol	200	170	85 %	15 - 110 %
Terphenyl-d14	100	72	72 %	30 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).
Sample extraction performed by EPA Method 3510C.

Report Notations:
BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.
* Analyzed as 4-Methylphenol.
† Reported as sum of N-Nitrosodiphenylamine and Diphenylamine.
◊ Analyzed as Azobenzene.

GROUNDWATER ANALYTICAL

EPA Method 8270C
Semivolatile Organics by GC/MS

Field ID:	**MW-21**	Matrix:	**Aqueous**
Project:	**Jameco/Watts/444-408H**	Container:	**1 L Amber Glass**
Client:	**Goldman Environmental Consultants, Inc.**	Preservation:	**Cool**
Laboratory ID:	**103576-17**	QC Batch ID:	**SV-2031-F**
Sampled:	**01-25-07 17:30**	Instrument ID:	**MS-12 Agilent 6890**
Received:	**01-29-07 18:00**	Sample Volume:	**1000 mL**
Extracted:	**01-30-07 10:00**	Final Volume:	**1 mL**
Analyzed:	**02-01-07 17:49**	Dilution Factor:	**1**
Analyst:	**MJB**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
62-75-9	N-Nitrosodimethylamine	BRL		ug/L	5
110-86-1	Pyridine	BRL		ug/L	5
108-95-2	Phenol	BRL		ug/L	5
62-53-3	Aniline	BRL		ug/L	5
111-44-4	Bis(2-chloroethyl) ether	BRL		ug/L	5
95-57-8	2-Chlorophenol	BRL		ug/L	5
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	5
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	5
100-51-6	Benzyl Alcohol	BRL		ug/L	5
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	5
95-48-7	2-Methylphenol	BRL		ug/L	5
108-60-1	Bis(2-chloroisopropyl) ether	BRL		ug/L	5
108-39-4/106-44-5	3 and 4-Methylphenol *	BRL		ug/L	5
621-64-7	N-Nitrosodi-n-propylamine	BRL		ug/L	5
98-86-2	Acetophenone	BRL		ug/L	5
67-72-1	Hexachloroethane	BRL		ug/L	5
98-95-3	Nitrobenzene	BRL		ug/L	5
78-59-1	Isophorone	BRL		ug/L	5
88-75-5	2-Nitrophenol	BRL		ug/L	5
105-67-9	2,4-Dimethylphenol	BRL		ug/L	5
111-91-1	Bis(2-chloroethoxy) methane	BRL		ug/L	5
120-83-2	2,4-Dichlorophenol	BRL		ug/L	5
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	5
91-20-3	Naphthalene	BRL		ug/L	5
106-47-8	4-Chloroaniline	BRL		ug/L	5
87-68-3	Hexachlorobutadiene	BRL		ug/L	5
59-50-7	4-Chloro-3-methylphenol	BRL		ug/L	5
91-57-6	2-Methylnaphthalene	BRL		ug/L	5
77-47-4	Hexachlorocyclopentadiene	BRL		ug/L	5
88-06-2	2,4,6-Trichlorophenol	BRL		ug/L	5
95-95-4	2,4,5-Trichlorophenol	BRL		ug/L	5
91-58-7	2-Chloronaphthalene	BRL		ug/L	5
88-74-4	2-Nitroaniline	BRL		ug/L	5
100-25-4	1,4-Dinitrobenzene	BRL		ug/L	5
131-11-3	Dimethyl phthalate	BRL		ug/L	5
99-65-0	1,3-Dinitrobenzene	BRL		ug/L	5
208-96-8	Acenaphthylene	BRL		ug/L	5
606-20-2	2,6-Dinitrotoluene	BRL		ug/L	5
528-29-0	1,2-Dinitrobenzene	BRL		ug/L	5
99-09-2	3-Nitroaniline	BRL		ug/L	5
83-32-9	Acenaphthene	BRL		ug/L	5
51-28-5	2,4-Dinitrophenol	BRL		ug/L	10
100-02-7	4-Nitrophenol	BRL		ug/L	5
132-64-9	Dibenzofuran	BRL		ug/L	5
121-14-2	2,4-Dinitrotoluene	BRL		ug/L	5

EPA Method 8270C (Continued)
Semivolatile Organics by GC/MS

Field ID:	**MW-21**	Matrix:	**Aqueous**
Project:	**Jameco/Watts/444-408H**	Container:	**1 L Amber Glass**
Client:	**Goldman Environmental Consultants, Inc.**	Preservation:	**Cool**
Laboratory ID:	**103576-17**	QC Batch ID:	**SV-2031-F**
Sampled:	**01-25-07 17:30**	Instrument ID:	**MS-12 Agilent 6890**
Received:	**01-29-07 18:00**	Sample Volume:	**1000 mL**
Extracted:	**01-30-07 10:00**	Final Volume:	**1 mL**
Analyzed:	**02-01-07 17:49**	Dilution Factor:	**1**
Analyst:	**MJB**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
84-66-2	Diethyl phthalate	BRL		ug/L	5
7005-72-3	4-Chlorophenyl phenyl ether	BRL		ug/L	5
86-73-7	Fluorene	BRL		ug/L	5
100-01-6	4-Nitroaniline	BRL		ug/L	5
534-52-1	4,6-Dinitro-2-methylphenol	BRL		ug/L	5
86-30-6	N-Nitrosodiphenylamine †	BRL		ug/L	5
122-66-7	1,2-Diphenylhydrazine ◊	BRL		ug/L	5
101-55-3	4-Bromophenyl phenyl ether	BRL		ug/L	5
118-74-1	Hexachlorobenzene	BRL		ug/L	5
87-86-5	Pentachlorophenol	BRL		ug/L	5
85-01-8	Phenanthrene	BRL		ug/L	5
120-12-7	Anthracene	BRL		ug/L	5
86-74-8	Carbazole	BRL		ug/L	5
84-74-2	Di-*n*-butyl phthalate	BRL		ug/L	5
206-44-0	Fluoranthene	BRL		ug/L	5
129-00-0	Pyrene	BRL		ug/L	5
85-68-7	Butyl benzyl phthalate	BRL		ug/L	5
91-94-1	3,3'-Dichlorobenzidine	BRL		ug/L	5
56-55-3	Benzo[a]anthracene	BRL		ug/L	5
218-01-9	Chrysene	BRL		ug/L	5
117-81-7	Bis(2-ethylhexyl) phthalate	BRL		ug/L	5
117-84-0	Di-*n*-octyl phthalate	BRL		ug/L	5
205-99-2	Benzo[b]fluoranthene	BRL		ug/L	5
207-08-9	Benzo[k]fluoranthene	BRL		ug/L	5
50-32-8	Benzo[a]pyrene	BRL		ug/L	5
193-39-5	Indeno[1,2,3-c,d]pyrene	BRL		ug/L	5
53-70-3	Dibenzo[a,h]anthracene	BRL		ug/L	5
191-24-2	Benzo[g,h,i]perylene	BRL		ug/L	5

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
2-Fluorophenol	200	110	**56 %**	15 - 110 %
Phenol-d5	200	87	**43 %**	15 - 110 %
Nitrobenzene-d5	100	72	**72 %**	30 - 130 %
2-Fluorobiphenyl	100	73	**73 %**	30 - 130 %
2,4,6-Tribromophenol	200	180	**88 %**	15 - 110 %
Terphenyl-d14	100	73	**73 %**	30 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).
Sample extraction performed by EPA Method 3510C.

Report Notations:
BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

* Analyzed as 4-Methylphenol.

† Reported as sum of N-Nitrosodiphenylamine and Diphenylamine.

◊ Analyzed as Azobenzene.

GROUNDWATER ANALYTICAL

EPA Method 8270C
Semivolatile Organics by GC/MS

Field ID:	**MW-16**	Matrix:	**Aqueous**
Project:	**Jameco/Watts/444-408H**	Container:	**1 L Amber Glass**
Client:	**Goldman Environmental Consultants, Inc.**	Preservation:	**Cool**
Laboratory ID:	**103576-18**	QC Batch ID:	**SV-2031-F**
Sampled:	**01-25-07 16:15**	Instrument ID:	**MS-12 Agilent 6890**
Received:	**01-29-07 18:00**	Sample Volume:	**1000 mL**
Extracted:	**01-30-07 10:00**	Final Volume:	**1 mL**
Analyzed:	**02-01-07 18:33**	Dilution Factor:	**1**
Analyst:	**MJB**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
62-75-9	N-Nitrosodimethylamine	BRL		ug/L	5
110-86-1	Pyridine	BRL		ug/L	5
108-95-2	Phenol	BRL		ug/L	5
62-53-3	Aniline	BRL		ug/L	5
111-44-4	Bis(2-chloroethyl) ether	BRL		ug/L	5
95-57-8	2-Chlorophenol	BRL		ug/L	5
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	5
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	5
100-51-6	Benzyl Alcohol	BRL		ug/L	5
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	5
95-48-7	2-Methylphenol	BRL		ug/L	5
108-60-1	Bis(2-chloroisopropyl) ether	BRL		ug/L	5
108-39-4/106-44-5	3 and 4-Methylphenol *	BRL		ug/L	5
621-64-7	N-Nitrosodi-n-propylamine	BRL		ug/L	5
98-86-2	Acetophenone	BRL		ug/L	5
67-72-1	Hexachloroethane	BRL		ug/L	5
98-95-3	Nitrobenzene	BRL		ug/L	5
78-59-1	Isophorone	BRL		ug/L	5
88-75-5	2-Nitrophenol	BRL		ug/L	5
105-67-9	2,4-Dimethylphenol	BRL		ug/L	5
111-91-1	Bis(2-chloroethoxy) methane	BRL		ug/L	5
120-83-2	2,4-Dichlorophenol	BRL		ug/L	5
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	5
91-20-3	Naphthalene	BRL		ug/L	5
106-47-8	4-Chloroaniline	BRL		ug/L	5
87-68-3	Hexachlorobutadiene	BRL		ug/L	5
59-50-7	4-Chloro-3-methylphenol	BRL		ug/L	5
91-57-6	2-Methylnaphthalene	BRL		ug/L	5
77-47-4	Hexachlorocyclopentadiene	BRL		ug/L	5
88-06-2	2,4,6-Trichlorophenol	BRL		ug/L	5
95-95-4	2,4,5-Trichlorophenol	BRL		ug/L	5
91-58-7	2-Chloronaphthalene	BRL		ug/L	5
88-74-4	2-Nitroaniline	BRL		ug/L	5
100-25-4	1,4-Dinitrobenzene	BRL		ug/L	5
131-11-3	Dimethyl phthalate	BRL		ug/L	5
99-65-0	1,3-Dinitrobenzene	BRL		ug/L	5
208-96-8	Acenaphthylene	BRL		ug/L	5
606-20-2	2,6-Dinitrotoluene	BRL		ug/L	5
528-29-0	1,2-Dinitrobenzene	BRL		ug/L	5
99-09-2	3-Nitroaniline	BRL		ug/L	5
83-32-9	Acenaphthene	BRL		ug/L	5
51-28-5	2,4-Dinitrophenol	BRL		ug/L	10
100-02-7	4-Nitrophenol	BRL		ug/L	5
132-64-9	Dibenzofuran	BRL		ug/L	5
121-14-2	2,4-Dinitrotoluene	BRL		ug/L	5

EPA Method 8270C (Continued)
Semivolatile Organics by GC/MS

Field ID:	**MW-16**	Matrix:	**Aqueous**
Project:	**Jameco/Watts/444-408H**	Container:	**1 L Amber Glass**
Client:	**Goldman Environmental Consultants, Inc.**	Preservation:	**Cool**
Laboratory ID:	**103576-18**	QC Batch ID:	**SV-2031-F**
Sampled:	**01-25-07 16:15**	Instrument ID:	**MS-12 Agilent 6890**
Received:	**01-29-07 18:00**	Sample Volume:	**1000 mL**
Extracted:	**01-30-07 10:00**	Final Volume:	**1 mL**
Analyzed:	**02-01-07 18:33**	Dilution Factor:	**1**
Analyst:	**MJB**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
84-66-2	Diethyl phthalate	BRL		ug/L	5
7005-72-3	4-Chlorophenyl phenyl ether	BRL		ug/L	5
86-73-7	Fluorene	BRL		ug/L	5
100-01-6	4-Nitroaniline	BRL		ug/L	5
534-52-1	4,6-Dinitro-2-methylphenol	BRL		ug/L	5
86-30-6	N-Nitrosodiphenylamine †	BRL		ug/L	5
122-66-7	1,2-Diphenylhydrazine ◊	BRL		ug/L	5
101-55-3	4-Bromophenyl phenyl ether	BRL		ug/L	5
118-74-1	Hexachlorobenzene	BRL		ug/L	5
87-86-5	Pentachlorophenol	BRL		ug/L	5
85-01-8	Phenanthrene	BRL		ug/L	5
120-12-7	Anthracene	BRL		ug/L	5
86-74-8	Carbazole	BRL		ug/L	5
84-74-2	Di-*n*-butyl phthalate	BRL		ug/L	5
206-44-0	Fluoranthene	BRL		ug/L	5
129-00-0	Pyrene	BRL		ug/L	5
85-68-7	Butyl benzyl phthalate	BRL		ug/L	5
91-94-1	3,3'-Dichlorobenzidine	BRL		ug/L	5
56-55-3	Benzo[a]anthracene	BRL		ug/L	5
218-01-9	Chrysene	BRL		ug/L	5
117-81-7	Bis(2-ethylhexyl) phthalate	BRL		ug/L	5
117-84-0	Di-*n*-octyl phthalate	BRL		ug/L	5
205-99-2	Benzo[b]fluoranthene	BRL		ug/L	5
207-08-9	Benzo[k]fluoranthene	BRL		ug/L	5
50-32-8	Benzo[a]pyrene	BRL		ug/L	5
193-39-5	Indeno[1,2,3-c,d]pyrene	BRL		ug/L	5
53-70-3	Dibenzo[a,h]anthracene	BRL		ug/L	5
191-24-2	Benzo[g,h,i]perylene	BRL		ug/L	5

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
2-Fluorophenol	200	120	**58 %**	15 - 110 %
Phenol-d5	200	90	**45 %**	15 - 110 %
Nitrobenzene-d5	100	76	**76 %**	30 - 130 %
2-Fluorobiphenyl	100	77	**77 %**	30 - 130 %
2,4,6-Tribromophenol	200	180	**90 %**	15 - 110 %
Terphenyl-d14	100	68	**68 %**	30 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).
Sample extraction performed by EPA Method 3510C.

Report Notations:
BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.
* Analyzed as 4-Methylphenol.
† Reported as sum of N-Nitrosodiphenylamine and Diphenylamine.
◊ Analyzed as Azobenzene.

GROUNDWATER ANALYTICAL

EPA Method 8270C
Semivolatile Organics by GC/MS

Field ID:	**MW-23**	Matrix:	**Aqueous**
Project:	**Jameco/Watts/444-408H**	Container:	**1 L Amber Glass**
Client:	**Goldman Environmental Consultants, Inc.**	Preservation:	**Cool**
Laboratory ID:	**103576-19**	QC Batch ID:	**SV-2031-F**
Sampled:	**01-25-07 13:25**	Instrument ID:	**MS-12 Agilent 6890**
Received:	**01-29-07 18:00**	Sample Volume:	**1000 mL**
Extracted:	**01-30-07 10:00**	Final Volume:	**1 mL**
Analyzed:	**02-01-07 19:18**	Dilution Factor:	**1**
Analyst:	**MJB**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
62-75-9	N-Nitrosodimethylamine	BRL		ug/L	5
110-86-1	Pyridine	BRL		ug/L	5
108-95-2	Phenol	BRL		ug/L	5
62-53-3	Aniline	BRL		ug/L	5
111-44-4	Bis(2-chloroethyl) ether	BRL		ug/L	5
95-57-8	2-Chlorophenol	BRL		ug/L	5
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	5
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	5
100-51-6	Benzyl Alcohol	BRL		ug/L	5
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	5
95-48-7	2-Methylphenol	BRL		ug/L	5
108-60-1	Bis(2-chloroisopropyl) ether	BRL		ug/L	5
108-39-4/106-44-5	3 and 4-Methylphenol *	BRL		ug/L	5
621-64-7	N-Nitrosodi-n-propylamine	BRL		ug/L	5
98-86-2	Acetophenone	BRL		ug/L	5
67-72-1	Hexachloroethane	BRL		ug/L	5
98-95-3	Nitrobenzene	BRL		ug/L	5
78-59-1	Isophorone	BRL		ug/L	5
88-75-5	2-Nitrophenol	BRL		ug/L	5
105-67-9	2,4-Dimethylphenol	BRL		ug/L	5
111-91-1	Bis(2-chloroethoxy) methane	BRL		ug/L	5
120-83-2	2,4-Dichlorophenol	BRL		ug/L	5
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	5
91-20-3	Naphthalene	BRL		ug/L	5
106-47-8	4-Chloroaniline	BRL		ug/L	5
87-68-3	Hexachlorobutadiene	BRL		ug/L	5
59-50-7	4-Chloro-3-methylphenol	BRL		ug/L	5
91-57-6	2-Methylnaphthalene	BRL		ug/L	5
77-47-4	Hexachlorocyclopentadiene	BRL		ug/L	5
88-06-2	2,4,6-Trichlorophenol	BRL		ug/L	5
95-95-4	2,4,5-Trichlorophenol	BRL		ug/L	5
91-58-7	2-Chloronaphthalene	BRL		ug/L	5
88-74-4	2-Nitroaniline	BRL		ug/L	5
100-25-4	1,4-Dinitrobenzene	BRL		ug/L	5
131-11-3	Dimethyl phthalate	BRL		ug/L	5
99-65-0	1,3-Dinitrobenzene	BRL		ug/L	5
208-96-8	Acenaphthylene	BRL		ug/L	5
606-20-2	2,6-Dinitrotoluene	BRL		ug/L	5
528-29-0	1,2-Dinitrobenzene	BRL		ug/L	5
99-09-2	3-Nitroaniline	BRL		ug/L	5
83-32-9	Acenaphthene	BRL		ug/L	5
51-28-5	2,4-Dinitrophenol	BRL		ug/L	10
100-02-7	4-Nitrophenol	BRL		ug/L	5
132-64-9	Dibenzofuran	BRL		ug/L	5
121-14-2	2,4-Dinitrotoluene	BRL		ug/L	5

EPA Method 8270C (Continued)
Semivolatile Organics by GC/MS

Field ID:	**MW-23**	Matrix:	**Aqueous**
Project:	**Jameco/Watts/444-408H**	Container:	**1 L Amber Glass**
Client:	**Goldman Environmental Consultants, Inc.**	Preservation:	**Cool**
Laboratory ID:	**103576-19**	QC Batch ID:	**SV-2031-F**
Sampled:	**01-25-07 13:25**	Instrument ID:	**MS-12 Agilent 6890**
Received:	**01-29-07 18:00**	Sample Volume:	**1000 mL**
Extracted:	**01-30-07 10:00**	Final Volume:	**1 mL**
Analyzed:	**02-01-07 19:18**	Dilution Factor:	**1**
Analyst:	**MJB**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
84-66-2	Diethyl phthalate	BRL		ug/L	5
7005-72-3	4-Chlorophenyl phenyl ether	BRL		ug/L	5
86-73-7	Fluorene	BRL		ug/L	5
100-01-6	4-Nitroaniline	BRL		ug/L	5
534-52-1	4,6-Dinitro-2-methylphenol	BRL		ug/L	5
86-30-6	N-Nitrosodiphenylamine †	BRL		ug/L	5
122-66-7	1,2-Diphenylhydrazine ◊	BRL		ug/L	5
101-55-3	4-Bromophenyl phenyl ether	BRL		ug/L	5
118-74-1	Hexachlorobenzene	BRL		ug/L	5
87-86-5	Pentachlorophenol	BRL		ug/L	5
85-01-8	Phenanthrene	BRL		ug/L	5
120-12-7	Anthracene	BRL		ug/L	5
86-74-8	Carbazole	BRL		ug/L	5
84-74-2	Di-*n*-butyl phthalate	BRL		ug/L	5
206-44-0	Fluoranthene	BRL		ug/L	5
129-00-0	Pyrene	BRL		ug/L	5
85-68-7	Butyl benzyl phthalate	BRL		ug/L	5
91-94-1	3,3'-Dichlorobenzidine	BRL		ug/L	5
56-55-3	Benzo[a]anthracene	BRL		ug/L	5
218-01-9	Chrysene	BRL		ug/L	5
117-81-7	Bis(2-ethylhexyl) phthalate	BRL		ug/L	5
117-84-0	Di-*n*-octyl phthalate	BRL		ug/L	5
205-99-2	Benzo[b]fluoranthene	BRL		ug/L	5
207-08-9	Benzo[k]fluoranthene	BRL		ug/L	5
50-32-8	Benzo[a]pyrene	BRL		ug/L	5
193-39-5	Indeno[1,2,3-c,d]pyrene	BRL		ug/L	5
53-70-3	Dibenzo[a,h]anthracene	BRL		ug/L	5
191-24-2	Benzo[g,h,i]perylene	BRL		ug/L	5

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
2-Fluorophenol	200	120	**59 %**	15 - 110 %
Phenol-d5	200	96	**48 %**	15 - 110 %
Nitrobenzene-d5	100	78	**78 %**	30 - 130 %
2-Fluorobiphenyl	100	76	**76 %**	30 - 130 %
2,4,6-Tribromophenol	200	180	**92 %**	15 - 110 %
Terphenyl-d14	100	71	**71 %**	30 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).
Sample extraction performed by EPA Method 3510C.

Report Notations:
BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.
* Analyzed as 4-Methylphenol.
† Reported as sum of N-Nitrosodiphenylamine and Diphenylamine.
◊ Analyzed as Azobenzene.

GROUNDWATER ANALYTICAL

EPA Method 8270C
Semivolatile Organics by GC/MS

Field ID:	**MW-26R**	Matrix:	**Aqueous**
Project:	**Jameco/Watts/444-408H**	Container:	**1 L Amber Glass**
Client:	**Goldman Environmental Consultants, Inc.**	Preservation:	**Cool**
Laboratory ID:	**103576-20**	QC Batch ID:	**SV-2031-F**
Sampled:	**01-24-07 18:45**	Instrument ID:	**MS-12 Agilent 6890**
Received:	**01-29-07 18:00**	Sample Volume:	**1000 mL**
Extracted:	**01-30-07 10:00**	Final Volume:	**1 mL**
Analyzed:	**02-02-07 12:15**	Dilution Factor:	**1**
Analyst:	**MJB**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
62-75-9	N-Nitrosodimethylamine	BRL		ug/L	5
110-86-1	Pyridine	BRL		ug/L	5
108-95-2	Phenol	BRL		ug/L	5
62-53-3	Aniline	BRL		ug/L	5
111-44-4	Bis(2-chloroethyl) ether	BRL		ug/L	5
95-57-8	2-Chlorophenol	BRL		ug/L	5
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	5
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	5
100-51-6	Benzyl Alcohol	BRL		ug/L	5
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	5
95-48-7	2-Methylphenol	BRL		ug/L	5
108-60-1	Bis(2-chloroisopropyl) ether	BRL		ug/L	5
108-39-4/106-44-5	3 and 4-Methylphenol *	BRL		ug/L	5
621-64-7	N-Nitrosodi-n-propylamine	BRL		ug/L	5
98-86-2	Acetophenone	BRL		ug/L	5
67-72-1	Hexachloroethane	BRL		ug/L	5
98-95-3	Nitrobenzene	BRL		ug/L	5
78-59-1	Isophorone	BRL		ug/L	5
88-75-5	2-Nitrophenol	BRL		ug/L	5
105-67-9	2,4-Dimethylphenol	BRL		ug/L	5
111-91-1	Bis(2-chloroethoxy) methane	BRL		ug/L	5
120-83-2	2,4-Dichlorophenol	BRL		ug/L	5
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	5
91-20-3	Naphthalene	BRL		ug/L	5
106-47-8	4-Chloroaniline	BRL		ug/L	5
87-68-3	Hexachlorobutadiene	BRL		ug/L	5
59-50-7	4-Chloro-3-methylphenol	BRL		ug/L	5
91-57-6	2-Methylnaphthalene	BRL		ug/L	5
77-47-4	Hexachlorocyclopentadiene	BRL		ug/L	5
88-06-2	2,4,6-Trichlorophenol	BRL		ug/L	5
95-95-4	2,4,5-Trichlorophenol	BRL		ug/L	5
91-58-7	2-Chloronaphthalene	BRL		ug/L	5
88-74-4	2-Nitroaniline	BRL		ug/L	5
100-25-4	1,4-Dinitrobenzene	BRL		ug/L	5
131-11-3	Dimethyl phthalate	BRL		ug/L	5
99-65-0	1,3-Dinitrobenzene	BRL		ug/L	5
208-96-8	Acenaphthylene	BRL		ug/L	5
606-20-2	2,6-Dinitrotoluene	BRL		ug/L	5
528-29-0	1,2-Dinitrobenzene	BRL		ug/L	5
99-09-2	3-Nitroaniline	BRL		ug/L	5
83-32-9	Acenaphthene	BRL		ug/L	5
51-28-5	2,4-Dinitrophenol	BRL		ug/L	10
100-02-7	4-Nitrophenol	BRL		ug/L	5
132-64-9	Dibenzofuran	BRL		ug/L	5
121-14-2	2,4-Dinitrotoluene	BRL		ug/L	5

EPA Method 8270C (Continued)
Semivolatile Organics by GC/MS

Field ID:	**MW-26R**	Matrix:	**Aqueous**
Project:	**Jameco/Watts/444-408H**	Container:	**1 L Amber Glass**
Client:	**Goldman Environmental Consultants, Inc.**	Preservation:	**Cool**
Laboratory ID:	**103576-20**	QC Batch ID:	**SV-2031-F**
Sampled:	**01-24-07 18:45**	Instrument ID:	**MS-12 Agilent 6890**
Received:	**01-29-07 18:00**	Sample Volume:	**1000 mL**
Extracted:	**01-30-07 10:00**	Final Volume:	**1 mL**
Analyzed:	**02-02-07 12:15**	Dilution Factor:	**1**
Analyst:	**MJB**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
84-66-2	Diethyl phthalate	BRL		ug/L	5
7005-72-3	4-Chlorophenyl phenyl ether	BRL		ug/L	5
86-73-7	Fluorene	BRL		ug/L	5
100-01-6	4-Nitroaniline	BRL		ug/L	5
534-52-1	4,6-Dinitro-2-methylphenol	BRL		ug/L	5
86-30-6	N-Nitrosodiphenylamine †	BRL		ug/L	5
122-66-7	1,2-Diphenylhydrazine ◊	BRL		ug/L	5
101-55-3	4-Bromophenyl phenyl ether	BRL		ug/L	5
118-74-1	Hexachlorobenzene	BRL		ug/L	5
87-86-5	Pentachlorophenol	BRL		ug/L	5
85-01-8	Phenanthrene	BRL		ug/L	5
120-12-7	Anthracene	BRL		ug/L	5
86-74-8	Carbazole	BRL		ug/L	5
84-74-2	Di-*n*-butyl phthalate	BRL		ug/L	5
206-44-0	Fluoranthene	BRL		ug/L	5
129-00-0	Pyrene	BRL		ug/L	5
85-68-7	Butyl benzyl phthalate	BRL		ug/L	5
91-94-1	3,3'-Dichlorobenzidine	BRL		ug/L	5
56-55-3	Benzo[a]anthracene	BRL		ug/L	5
218-01-9	Chrysene	BRL		ug/L	5
117-81-7	Bis(2-ethylhexyl) phthalate	BRL		ug/L	5
117-84-0	Di-*n*-octyl phthalate	BRL		ug/L	5
205-99-2	Benzo[b]fluoranthene	BRL		ug/L	5
207-08-9	Benzo[k]fluoranthene	BRL		ug/L	5
50-32-8	Benzo[a]pyrene	BRL		ug/L	5
193-39-5	Indeno[1,2,3-c,d]pyrene	BRL		ug/L	5
53-70-3	Dibenzo[a,h]anthracene	BRL		ug/L	5
191-24-2	Benzo[g,h,i]perylene	BRL		ug/L	5

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
2-Fluorophenol	200	120	**61 %**	15 - 110 %
Phenol-d5	200	95	**48 %**	15 - 110 %
Nitrobenzene-d5	100	78	**78 %**	30 - 130 %
2-Fluorobiphenyl	100	77	**77 %**	30 - 130 %
2,4,6-Tribromophenol	200	180	**91 %**	15 - 110 %
Terphenyl-d14	100	75	**75 %**	30 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).
Sample extraction performed by EPA Method 3510C.

Report Notations:
BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.
* Analyzed as 4-Methylphenol.
† Reported as sum of N-Nitrosodiphenylamine and Diphenylamine.
◊ Analyzed as Azobenzene.

GROUNDWATER ANALYTICAL

EPA Method 8260B
TCL Volatile Organics by GC/MS

Field ID:	**MW-23**	Matrix:	**Aqueous**
Project:	**Jameco/Watts/444-408H**	Container:	**40 mL VOA Vial**
Client:	**Goldman Environmental Consultants, Inc.**	Preservation:	**HCl/ Cool**
Laboratory ID:	**103576-21**	QC Batch ID:	**VM4-3770-W**
Sampled:	**01-25-07 13:25**	Instrument ID:	**MS-4 HP 6890**
Received:	**01-29-07 18:00**	Sample Volume:	**25 mL**
Analyzed:	**02-01-07 21:08**	Dilution Factor:	**1**
Analyst:	**KMC**		

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	1		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	BRL		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	BRL		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	BRL		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	0.5

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	11	**107 %**	70 - 130 %
1,2-Dichloroethane-d_4	10	11	**108 %**	70 - 130 %
Toluene-d_8	10	10	**101 %**	70 - 130 %
4-Bromofluorobenzene	10	10	**101 %**	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

Trace Metals

Field ID:	**S-1 Back**	Matrix:	**Soil**
Project:	**Jameco/Watts/444-408H**	Container:	**250 mL Glass**
Client:	**Goldman Environmental Consultants, Inc.**	Preservation:	**Cool**
Laboratory ID:	**103576-22**	Percent Solids:	**88**
Sampled:	**01-24-07 11:30**		
Received:	**01-29-07 18:00**		

Analysis Method	QC Batch ID	Prep Method	Prepared	Sample Weight	Instrument ID	Analyst
EPA 6010B[1]	MB-01081-S	EPA 3050B	01-30-07 09:26	0.488 g	ICP-1 PE 3000	MWR
EPA 7471A[2]	MP-2093-S	EPA 7471A	01-31-07 10:00	0.6 g	CVAA-1 PE FIMS	JBH

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit	DF	Analyzed	Method
7440-38-2	Arsenic, Total	**4.0**		mg/Kg	3.5	1	01-30-07 19:29	EPA 6010B[1]
7440-39-3	Barium, Total	**35**		mg/Kg	23	1	01-30-07 19:28	EPA 6010B[1]
7440-43-9	Cadmium, Total	BRL		mg/Kg	0.58	1	01-30-07 19:29	EPA 6010B[1]
7440-47-3	Chromium, Total	**140**		mg/Kg	12	1	01-30-07 19:28	EPA 6010B[1]
7440-50-8	Copper, Total	**75**		mg/Kg	23	1	01-30-07 19:29	EPA 6010B[1]
7439-92-1	Lead, Total	**32**		mg/Kg	12	1	01-30-07 19:29	EPA 6010B[1]
7439-97-6	Mercury, Total	**0.16**		mg/Kg	0.039	1	01-31-07 14:10	EPA 7471A[2]
7440-02-0	Nickel, Total	**41**		mg/Kg	12	1	01-30-07 19:29	EPA 6010B[1]
7782-49-2	Selenium, Total	BRL		mg/Kg	12	1	01-30-07 19:29	EPA 6010B[1]
7440-22-4	Silver, Total	BRL		mg/Kg	5.8	1	01-30-07 19:28	EPA 6010B[1]
7440-66-6	Zinc, Total	**120**		mg/Kg	58	1	01-30-07 19:29	EPA 6010B[1]

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).
Results are reported on a dry weight basis.

Report Notations:
BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.
DF Dilution Factor.

GROUNDWATER ANALYTICAL

Trace Metals

Field ID:	**S-2 Side**	Matrix:	**Soil**
Project:	**Jameco/Watts/444-408H**	Container:	**250 mL Glass**
Client:	**Goldman Environmental Consultants, Inc.**	Preservation:	**Cool**
Laboratory ID:	**103576-23**	Percent Solids:	**90**
Sampled:	**01-24-07 11:40**		
Received:	**01-29-07 18:00**		

Analysis Method	QC Batch ID	Prep Method	Prepared	Sample Weight	Instrument ID	Analyst
EPA 6010B[1]	MB-01081-S	EPA 3050B	01-30-07 09:26	0.497 g	ICP-1 PE 3000	MWR
EPA 7471A[2]	MP-2093-S	EPA 7471A	01-31-07 10:00	0.6 g	CVAA-1 PE FIMS	JBH

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit	DF	Analyzed	Method
7440-38-2	Arsenic, Total	BRL		mg/Kg	3.3	1	01-30-07 19:32	EPA 6010B[1]
7440-39-3	Barium, Total	BRL		mg/Kg	22	1	01-30-07 19:31	EPA 6010B[1]
7440-43-9	Cadmium, Total	BRL		mg/Kg	0.56	1	01-30-07 19:32	EPA 6010B[1]
7440-47-3	Chromium, Total	**29**		mg/Kg	11	1	01-30-07 19:31	EPA 6010B[1]
7440-50-8	Copper, Total	**23**		mg/Kg	22	1	01-30-07 19:32	EPA 6010B[1]
7439-92-1	Lead, Total	**18**		mg/Kg	11	1	01-30-07 19:32	EPA 6010B[1]
7439-97-6	Mercury, Total	**0.11**		mg/Kg	0.037	1	01-31-07 14:14	EPA 7471A[2]
7440-02-0	Nickel, Total	**13**		mg/Kg	11	1	01-30-07 19:32	EPA 6010B[1]
7782-49-2	Selenium, Total	BRL		mg/Kg	11	1	01-30-07 19:32	EPA 6010B[1]
7440-22-4	Silver, Total	BRL		mg/Kg	5.6	1	01-30-07 19:31	EPA 6010B[1]
7440-66-6	Zinc, Total	**69**		mg/Kg	56	1	01-30-07 19:32	EPA 6010B[1]

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).
Results are reported on a dry weight basis.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

DF Dilution Factor.

GROUNDWATER ANALYTICAL

Project Narrative

Project:	**Jameco/Watts/444-408H**	Lab ID:	**103576**
Client:	**Goldman Environmental Consultants, Inc.**	Received:	**01-29-07 18:00**

A. Documentation and Client Communication

The following documentation discrepancies, and client changes or amendments were noted for this project:

1. Samples 103576-01 through -09 were also analyzed for Copper, Nickel and Zinc, per Rick Dranes, 03-05-07.

B. Method Modifications, Non-Conformances and Observations

The sample(s) in this project were analyzed by the references analytical method(s), and no method modifications, non-conformances or analytical issues were noted, except as indicated below:

1. No method modifications, non-conformances or analytical issues were noted.

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228 Main Street, P.O. Box 1200
Buzzards Bay, MA 02532
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CHAIN-OF-CUSTODY RECORD AND WORK ORDER

1/2

№ 212052

Project Name: Ameco/Watts	Firm: GEC
Project Number: 444-908 H	Address: 60 Brooks Dr.
Sampler Name: JF/RK	City / State / Zip: Braintree
Project Manager: R Krauss / D Butler	Telephone: (781) 356-9140 x-117

INSTRUCTIONS: Use separate line for each container (except replicates).

TURNAROUND

- ☒ STANDARD (10 Business Days)
- ☐ PRIORITY (5 Business Days)
- ☐ RUSH (RAN- _____) (Rush requires Rush Authorization Number)
- ☐ Please Email to: rkrauss@gecmail.com
- ☐ Please FAX to: _____

BILLING

- ☐ Purchase Order No.: _____
- ☐ Third Party Billing: _____
- ☐ GWA Quote: _____

ANALYSIS REQUEST

Sampling DATE	Sampling TIME	SAMPLE IDENTIFICATION	Matrix	Type	Container(s)	Preservation	LABORATORY NUMBER (Lab Use Only)
1-24	1555	MW-2	X		X 1	X	
1/24	1520	MW-4	X		X 1	X	
1/24	1623	MW-3	X		X 1	X	
1/25	1498	MW-3	X		X 2	X	
1/25	1435	MW-5R	X		X 3	2 1	1
1-24	1605	MW-6R	X		X 1	X	1
1-24	1951	MW-10	X		X 3	2 1	1
1-25	1805	MW-11	X		X 3	2 1	1
1/25	1710	MW-12	X		X 3	2 1	1
1-25	1557	MW-17	X		X 2	2	
1/25	1900	MW-20	X		X 2	2	
1-25	1730	MW-21	X		X 2	2	

REMARKS / SPECIAL INSTRUCTIONS

MA DEP MCP Data Enhancement Affirmation

☐ YES ☐ NO MCP Data Certification required.

☐ YES ☐ NO MCP Drinking Water Sample included.
(Require collection of contingent duplicate sample. Trip blanks to be also required, if VOA sample collected).

Signature: _____

DATA QUALITY OBJECTIVES

Regulatory Program

State	Standard	Deliverables
☐ CT	☐ MCP GW-1/S-1	☐ PWS Form
☐ ME	☐ MCP GW-2/S-2	☐ MWRA
☐ MA	☒ NY STARS	☐ _____
☐ NH	☐ Drinking Water	
☒ NY	☐ Wastewater	
☐ RI	☐ Waste Disposal	
☐ VT	☐ Dredge Material	
☐ ___	☐ _____	

Project Specific QC

Many regulatory programs and EPA methods require project specific QC. Project specific QC includes Sample Duplicates, Matrix Spikes, and/or Matrix Spike Duplicates. Laboratory QC is not project specific unless prearranged. Project specific QC samples are charged on a per sample basis. Each MS, MSD and Sample Duplicate requires an additional sample aliquot.

Project Specific QC Required	Selection of QC Sample
☐ Sample Duplicate	☐ Please use sample:
☐ Matrix Spike	
☐ Matrix Spike Duplicate	

CHAIN-OF-CUSTODY RECORD

NOTE: All samples submitted subject to Standard Terms and Conditions on reverse hereof.

	Date	Time		
Relinquished by Sampler:	1/29/09	1620	Received by:	Receipt Temperature: 2.8 ☐ Ice ☐ Refrigerated 2-6°C Recommended
Relinquished by:	1/29/09	1800	Received by:	Container Count: 24
Relinquished by:	Date	Time	Received by Laboratory:	Shipping/Airbill Number:

Method of Shipment: ☒ GWA Courier ☐ Express Mail ☐ Federal Express ☐ UPS ☐ Hand ☐ _____

Custody Seal Number

24

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CHAIN-OF-CUSTODY RECORD AND WORK ORDER

2/2 № 216585

Field	Entry
Project Name:	Jameco / Watts
Firm:	GEC
Project Number:	444-408H
Address:	60 Brooks Dr.
Sampler Name:	DF / RK
City / State / Zip:	Braintree
Project Manager:	R Kraus / B Butler
Telephone:	(781) 356-9140 x-117

TURNAROUND

- ☒ STANDARD (10 Business Days)
- ☐ PRIORITY (5 Business Days)
- ☐ RUSH (RAN-__________) (Rush requires Rush Authorization Number)
- ☐ Please Email to: rkraus@gcldnow...
- ☐ Please FAX to: __________

BILLING

- ☐ Purchase Order No.: __________
- ☐ Third Party Billing: __________
- ☐ GWA Quote: __________

ANALYSIS REQUEST

INSTRUCTIONS: Use separate line for each container (except replicates).

Date	Time	Sample Identification	Matrix	Type	Containers	Preservation	Analysis Request
1-25	1615	MW-16	Groundwater X	Grab X	2 ; 1	Ice X	X
1-25	1325	MW-23	Groundwater X	Grab X	3 ; 2	Ice X	X
1-24	1845	MW-26R	Groundwater X	Grab X	3 ; 2 1	1 ; Ice X ; X	X ; X
1-24	1136	S-1 Back	Soil X		1 ; 1	Ice X	X
1-24	1140	S-2 Side	Soil X		1 ; X	Ice X	X

LABORATORY NUMBER (Lab Use Only)

REMARKS / SPECIAL INSTRUCTIONS

MA DEP MCP Data Enhancement Affirmation

- ☐ YES ☐ NO MCP Data Certification required.
- ☐ YES ☐ NO MCP Drinking Water Sample included. (Requires collection of contingent duplicate sample. Trip blanks are also required, if VOA sample collected).

Signature: __________

DATA QUALITY OBJECTIVES

Regulatory Program

State	Standard	Deliverables
☐ CT	☐ MCP GW-1/S-1	☐ PWS Form
☐ ME	☐ MCP GW-2/S-2	☐ MWRA
☐ MA	☒ NY STARS	☐ ______
☐ NH	☐ Drinking Water	
☒ NY	☐ Wastewater	
☐ RI	☐ Waste Disposal	
☐ VT	☐ Dredge Material	
☐ ___	☐ ______	

Project Specific QC

Many regulatory programs and EPA methods require project specific QC. Project specific QC includes Sample Duplicates, Matrix Spikes, and/or Matrix Spike Duplicates. Laboratory QC is not project specific unless prearranged. Project specific QC samples are charged on a per sample basis. **Each MS, MSD and Sample Duplicate requires an additional sample aliquot.**

Project Specific QC Required

- ☐ Sample Duplicate
- ☐ Matrix Spike
- ☐ Matrix Spike Duplicate

Selection of QC Sample

☐ Please use sample: __________

CHAIN-OF-CUSTODY RECORD

NOTE: All samples submitted subject to Standard Terms and Conditions on reverse hereof.

Relinquished by	Date	Time	Received by
Relinquished by Sampler: R Kraus	1/24/07	1630	Received by: J Elleez
Relinquished by: J Elleez	1/24/07	1800	Received by: Danny Almeida
Relinquished by:	Date	Time	Received by Laboratory:

Receipt Temperature: 2.8 (Ice; Refrigerator; 2-6 C Recommended)

Container Count: 12

Shipping/Airbill Number:

Custody Seal Number:

Method of Shipment: ☒ GWA Courier ☐ Express Mail ☐ Federal Express ☐ UPS ☐ Hand ☐ __________

10

Quality Assurance/Quality Control

A. Program Overview

Groundwater Analytical conducts an active Quality Assurance program to ensure the production of high quality, valid data. This program closely follows the guidance provided by *Interim Guidelines and Specifications for Preparing Quality Assurance Project Plans,* US EPA QAMS-005/80 (1980), and *Test Methods for Evaluating Solid Waste,* US EPA, SW-846, Update III (1996).

Quality Control protocols include written Standard Operating Procedures (SOPs) developed for each analytical method. SOPs are derived from US EPA methodologies and other established references. Standards are prepared from commercially obtained reference materials of certified purity, and documented for traceability.

Quality Assessment protocols for most organic analyses include a minimum of one laboratory control sample, one method blank, one matrix spike sample, and one sample duplicate for each sample preparation batch. All samples, standards, blanks, laboratory control samples, matrix spikes and sample duplicates are spiked with internal standards and surrogate compounds. All instrument sequences begin with an initial calibration verification standard and a blank; and excepting GC/MS sequences, all sequences close with a continuing calibration standard. GC/MS systems are tuned to appropriate ion abundance criteria daily, or for each 12 hour operating period, whichever is more frequent.

Quality Assessment protocols for most inorganic analyses include a minimum of one laboratory control sample, one method blank, one matrix spike sample, and one sample duplicate for each sample preparation batch. Standard curves are derived from one reagent blank and four concentration levels. Curve validity is verified by standard recoveries within plus or minus ten percent of the curve.

B. Definitions

Batches are used as the basic unit for Quality Assessment. A Batch is defined as twenty or fewer samples of the same matrix which are prepared together for the same analysis, using the same lots of reagents and the same techniques or manipulations, all within the same continuum of time, up to but not exceeding 24 hours.

Laboratory Control Samples are used to assess the accuracy of the analytical method. A Laboratory Control Sample consists of reagent water or sodium sulfate spiked with a group of target analytes representative of the method analytes. Accuracy is defined as the degree of agreement of the measured value with the true or expected value. Percent Recoveries for the Laboratory Control Samples are calculated to assess accuracy.

Method Blanks are used to assess the level of contamination present in the analytical system. Method Blanks consist of reagent water or an aliquot of sodium sulfate. Method Blanks are taken through all the appropriate steps of an analytical method. Sample data reported is not corrected for blank contamination.

Surrogate Compounds are used to assess the effectiveness of an analytical method in dealing with each sample matrix. Surrogate Compounds are organic compounds which are similar to the target analytes of interest in chemical behavior, but which are not normally found in environmental samples. Percent Recoveries are calculated for each Surrogate Compound.

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

Category: **Metals**
Matrix: **Soil**
Units: **mg/Kg**

Sample Type	Method	QC Batch ID	Prep Method	Prepared	Analyzed	Instrument ID	Analyst
LCS	EPA 6010B	MB-1081-SL	EPA 3050B	01-30-07 09:26	01-30-07 18:44	ICP-1 PE 3000	MWR
LCS	EPA 7471A	MP-2093-SL	EPA 7471A	01-31-07 10:00	01-31-07 13:25	CVAA-1 PE FIMS	JBH
LCSD	EPA 6010B	MB-1081-SL	EPA 3050B	01-30-07 09:26	01-30-07 18:47	ICP-1 PE 3000	MWR
LCSD	EPA 7471A	MP-2093-SL	EPA 7471A	01-31-07 10:00	01-31-07 13:28	CVAA-1 PE FIMS	JBH

CAS Number	Analyte	LCS			LCS Duplicate				QC Limits		Method
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	LCS	RPD	
7440-50-8	Copper	95	84	**89%**	95	86	**91%**	1 %	81-119 %	30 %	EPA 6010B
7440-02-0	Nickel	160	190	**114%**	160	190	**115%**	0 %	106-151 %	30 %	EPA 6010B
7440-66-6	Zinc	150	130	**89%**	150	130	**90%**	1 %	79-121 %	30 %	EPA 6010B
7440-38-2	Arsenic	200	180	**90%**	200	180	**91%**	1 %	81-120 %	30 %	EPA 6010B
7440-39-3	Barium	650	610	**94%**	650	590	**91%**	2 %	83-117 %	30 %	EPA 6010B
7440-43-9	Cadmium	77	71	**91%**	77	69	**89%**	1 %	79-121 %	30 %	EPA 6010B
7440-47-3	Chromium	130	120	**91%**	130	120	**92%**	1 %	81-119 %	30 %	EPA 6010B
7439-92-1	Lead	110	91	**86%**	110	92	**87%**	1 %	82-118 %	30 %	EPA 6010B
7439-97-6	Mercury	3.9	3.9	**100%**	3.9	4.0	**103%**	1 %	66-130%	30 %	EPA 7471A
7782-49-2	Selenium	100	90	**87%**	100	91	**88%**	1 %	77-122 %	30 %	EPA 6010B
7440-22-4	Silver	160	140	**93%**	160	150	**94%**	1 %	66-134 %	30 %	EPA 6010B

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).

Report Notations: All calculations performed prior to rounding. Quality Control Limits are defined by the methodology, or alternatively based upon the historical average recovery plus or minus three standard deviation units.

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category: **Metals**
Matrix: **Soil**

Analysis Method	QC Batch ID	Prep Method	Prepared	Sample Volume	Instrument ID	Analyst
EPA 6010B	MB-1081-SB	EPA 3050B	01-30-07 09:26	0.5 g	ICP-1 PE 3000	MWR
EPA 7471A	MP-2093-SB	EPA 7471A	01-31-07 10:00	0.6 g	CVAA-1 PE FIMS	JBH

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit	DF	Analyzed	Method
7440-50-8	Copper	BRL		mg/Kg	20	1	01-30-07 18:41	EPA 6010B
7440-02-0	Nickel	BRL		mg/Kg	10	1	01-30-07 18:41	EPA 6010B
7440-66-6	Zinc	BRL		mg/Kg	50	1	01-30-07 18:41	EPA 6010B
7440-38-2	Arsenic	BRL		mg/Kg	3	1	01-30-07 18:41	EPA 6010B
7440-39-3	Barium	BRL		mg/Kg	20	1	01-30-07 18:41	EPA 6010B
7440-43-9	Cadmium	BRL		mg/Kg	0.5	1	01-30-07 18:41	EPA 6010B
7440-47-3	Chromium	BRL		mg/Kg	10	1	01-30-07 18:41	EPA 6010B
7439-92-1	Lead	BRL		mg/Kg	10	1	01-30-07 18:41	EPA 6010B
7439-97-6	Mercury	BRL		mg/Kg	0.0333	1	01-31-07 13:25	EPA 7471A
7782-49-2	Selenium	BRL		mg/Kg	10	1	01-30-07 18:41	EPA 6010B
7440-22-4	Silver	BRL		mg/Kg	5	1	01-30-07 18:41	EPA 6010B

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

DF Dilution Factor.

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

Category: **Metals**
Matrix: **Aqueous**
Units: **mg/L**

Sample Type	Method	QC Batch ID	Prep Method	Prepared	Analyzed	Instrument ID	Analyst
LCS	EPA 6010B	MB-2534-WL	EPA 3010A	01-30-07 08:16	02-01-07 21:03	ICP1 PE3000	MWR
LCS	EPA 6020A	MB-2534-WL	EPA 3010A	01-30-07 08:16	02-01-07 21:03	ICPMS ELAN9000	MFP
LCS	EPA 7470A	MP-1932-WL	EPA 7470A	02-01-07 09:00	02-01-07 12:50	CVAA-1 PE FIMS	JBH
LCSD	EPA 6010B	MB-2534-WL	EPA 3010A	01-30-07 08:16	02-01-07 21:03	ICP1 PE3000	MWR
LCSD	EPA 6020A	MB-2534-WL	EPA 3010A	01-30-07 08:16	01-31-07 13:36	ICPMS ELAN9000	MFP
LCSD	EPA 7470A	MP-1932-WL	EPA 7470A	02-01-07 09:00	02-01-07 12:54	CVAA-1 PE FIMS	JBH

CAS Number	Analyte	LCS			LCS Duplicate				QC Limits		Method
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	LCS	RPD	
7440-38-2	Arsenic	5.0	4.9	**97%**	5.0	5.0	**101%**	2 %	80-120 %	20 %	EPA 6020A
7440-39-3	Barium	5.0	4.9	**97%**	5.0	4.9	**99%**	1 %	80-120 %	20 %	EPA 6010B
7440-43-9	Cadmium	1.0	1.0	**99%**	1.0	1.0	**99%**	0 %	80-120 %	20 %	EPA 6010B
7440-47-3	Chromium	1.0	1.0	**96%**	1.0	1.0	**96%**	0 %	80-120 %	20 %	EPA 6010B
7439-92-1	Lead	5.0	4.9	**97%**	5.0	4.9	**98%**	1 %	80-120 %	20 %	EPA 6010B
7439-97-6	Mercury	0.0010	0.0011	**105%**	0.0010	0.0010	**101%**	2 %	80-120 %	20 %	EPA 7470A
7782-49-2	Selenium	5.0	4.9	**98%**	5.0	4.9	**97%**	1 %	80-120 %	20 %	EPA 6010B
7440-22-4	Silver	1.0	1.0	**101%**	1.0	1.0	**103%**	1 %	80-120 %	20 %	EPA 6010B

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).

Report Notations: All calculations performed prior to rounding. Quality Control Limits are defined by the methodology, or alternatively based upon the historical average recovery plus or minus three standard deviation units.

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

Category: **Metals**
Matrix: **Aqueous**
Units: **mg/L**

Sample Type	Method	QC Batch ID	Prep Method	Prepared	Analyzed	Instrument ID	Analyst
LCS	EPA 7470A	MP-1931-WL	EPA 7470A	01-30-07 09:05	01-30-07 15:35	CVAA-1 PE FIMS	JBH
LCSD	EPA 7470A	MP-1931-WL	EPA 7470A	01-30-07 09:05	01-30-07 15:35	CVAA-1 PE FIMS	JBH

CAS Number	Analyte	LCS			LCS Duplicate				QC Limits		Method
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	LCS	RPD	
7439-97-6	Mercury	0.0010	0.0011	106%	0.0010	0.0011	106%	0 %	80-120 %	20 %	EPA 7470A

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).

Report Notations: All calculations performed prior to rounding. Quality Control Limits are defined by the methodology, or alternatively based upon the historical average recovery plus or minus three standard deviation units.

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

Category: **Metals**
Matrix: **Aqueous**
Units: **mg/L**

Sample Type	Method	QC Batch ID	Prep Method	Prepared	Analyzed	Instrument ID	Analyst
LCS	EPA 6010B	MB-2534-WL	EPA 3010A	01-30-07 08:16	01-31-07 13:33	ICP-2 PE 3300	MWR
LCSD	EPA 6010B	MB-2534-WL	EPA 3010A	01-30-07 08:16	01-31-07 13:36	ICP-2 PE 3300	MWR

CAS Number	Analyte	LCS			LCS Duplicate				QC Limits		Method
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	LCS	RPD	
7440-50-8	Copper	1.0	1.0	**101%**	1.0	1.0	**102%**	**0 %**	80-120 %	20 %	EPA 6010B
7440-02-0	Nickel	1.0	1.0	**98%**	1.0	1.0	**98%**	**0 %**	80-120 %	20 %	EPA 6010B
7440-66-6	Zinc	1.0	1.0	**98%**	1.0	1.0	**98%**	**0 %**	80-120 %	20 %	EPA 6010B

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).

Report Notations: All calculations performed prior to rounding. Quality Control Limits are defined by the methodology, or alternatively based upon the historical average recovery plus or minus three standard deviation units.

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category: Metals
Matrix: Aqueous

Analysis Method	QC Batch ID	Prep Method	Prepared	Sample Volume	Instrument ID	Analyst
EPA 6010B	MB-2534-WB	EPA 3010A	01-30-07 08:16	50 mL	ICP1 PE3000	MWR
EPA 6020A	MB-2534-WB	EPA 3010A	01-30-07 08:16	50 mL	ICPMS ELAN9000	MFP
EPA 7470A	MP-1932-WB	EPA 7470A	02-01-07 09:00	25 mL	CVAA-1 PE FIMS	JBH

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit	DF	Analyzed	Method
7440-38-2	Arsenic	BRL		mg/L	0.005	1	02-01-07 20:58	EPA 6020A
7440-39-3	Barium	BRL		mg/L	0.2	1	01-31-07 13:30	EPA 6010B
7440-43-9	Cadmium	BRL		mg/L	0.005	1	01-31-07 13:30	EPA 6010B
7440-47-3	Chromium	BRL		mg/L	0.01	1	01-31-07 13:30	EPA 6010B
7439-92-1	Lead	BRL		mg/L	0.005	1	01-31-07 13:30	EPA 6010B
7439-97-6	Mercury	BRL		mg/L	0.0002	1	02-01-07 12:50	EPA 7470A
7782-49-2	Selenium	BRL		mg/L	0.05	1	01-31-07 13:30	EPA 6010B
7440-22-4	Silver	BRL		mg/L	0.007	1	01-31-07 13:30	EPA 6010B

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

DF Dilution Factor.

Quality Control Report
Method Blank

Category: **Metals**
Matrix: **Aqueous**

Analysis Method	QC Batch ID	Prep Method	Prepared	Sample Volume	Instrument ID	Analyst
EPA 7470A	MP-1931-WB	EPA 7470A	01-30-07 09:05	25 mL	CVAA-1 PE FIMS	JBH

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit	DF	Analyzed	Method
7439-97-6	Mercury	BRL		mg/L	0.0002	1	01-30-07 15:35	EPA 7470A

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).

Report Notations:
BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.
DF Dilution Factor.

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category: **Metals**
Matrix: **Aqueous**

Analysis Method	QC Batch ID	Prep Method	Prepared	Sample Volume	Instrument ID	Analyst
EPA 6010B	MB-2534-WB	EPA 3010A	01-30-07 08:16	50 mL	ICP-2 PE 3300	MWR

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit	DF	Analyzed	Method
7440-50-8	Copper	BRL		mg/L	0.025	1	01-31-07 13:30	EPA 6010B
7440-02-0	Nickel	BRL		mg/L	0.04	1	01-31-07 13:30	EPA 6010B
7440-66-6	Zinc	BRL		mg/L	0.2	1	01-31-07 13:30	EPA 6010B

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

DF Dilution Factor.

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8260B TCL	Instrument ID:	MS-4 HP 6890	Instrument ID:	MS-4 HP 6890
QC Batch ID:	VM4-3770-WL	Analyzed:	02-01-07 10:17	Analyzed:	02-01-07 10:46
Matrix:	Aqueous	Analyst:	KMC	Analyst:	KMC
Units:	ug/L				

CAS Number	Analyte	LCS			LCS Duplicate				QC Limits	
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD
74-87-3	Chloromethane	10	9	90 %	10	9.1	91 %	1 %	70 - 130 %	25%
75-01-4	Vinyl Chloride	10	9.7	97 %	10	9.6	96 %	1 %	70 - 130 %	25%
74-83-9	Bromomethane	10	9.7	97 %	10	9.6	96 %	1 %	70 - 130 %	25%
75-00-3	Chloroethane	10	10	102 %	10	9.7	97 %	3 %	70 - 130 %	25%
75-35-4	1,1-Dichloroethene	10	9.9	99 %	10	9.8	98 %	1 %	70 - 130 %	25%
67-64-1	Acetone	20	23	117 %	20	23	115 %	0 %	70 - 130 %	25%
75-15-0	Carbon Disulfide	20	18	92 %	20	19	93 %	5 %	70 - 130 %	25%
75-09-2	Methylene Chloride	10	9.1	91 %	10	9.7	97 %	6 %	70 - 130 %	25%
156-60-5	*trans*-1,2-Dichloroethene	10	10	101 %	10	9.9	99 %	1 %	70 - 130 %	25%
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	10	9.5	95 %	10	9.6	96 %	1 %	70 - 130 %	25%
75-34-3	1,1-Dichloroethane	10	9.9	99 %	10	10	101 %	1 %	70 - 130 %	25%
156-59-2	*cis*-1,2-Dichloroethene	10	9.7	97 %	10	10	101 %	3 %	70 - 130 %	25%
78-93-3	2-Butanone (MEK)	20	19	95 %	20	18	91 %	5 %	70 - 130 %	25%
67-66-3	Chloroform	10	10	101 %	10	9.9	99 %	1 %	70 - 130 %	25%
71-55-6	1,1,1-Trichloroethane	10	10	100 %	10	10	104 %	0 %	70 - 130 %	25%
56-23-5	Carbon Tetrachloride	10	10	105 %	10	11	108 %	10 %	70 - 130 %	25%
71-43-2	Benzene	10	9.7	97 %	10	10	101 %	3 %	70 - 130 %	25%
107-06-2	1,2-Dichloroethane	10	10	104 %	10	10	101 %	0 %	70 - 130 %	25%
79-01-6	Trichloroethene	10	9.3	93 %	10	10	100 %	7 %	70 - 130 %	25%
78-87-5	1,2-Dichloropropane	10	10	100 %	10	10	104 %	0 %	70 - 130 %	25%
75-27-4	Bromodichloromethane	10	11	106 %	10	11	110 %	0 %	70 - 130 %	25%
10061-01-5	*cis*-1,3-Dichloropropene	10	10	101 %	10	10	101 %	0 %	70 - 130 %	25%
108-10-1	4-Methyl-2-Pentanone (MIBK)	20	18	91 %	20	19	93 %	5 %	70 - 130 %	25%
108-88-3	Toluene	10	9.8	98 %	10	10	100 %	2 %	70 - 130 %	25%
10061-02-6	*trans*-1,3-Dichloropropene	10	9.3	93 %	10	9.3	93 %	0 %	70 - 130 %	25%
79-00-5	1,1,2-Trichloroethane	10	9.4	94 %	10	9.5	95 %	1 %	70 - 130 %	25%
127-18-4	Tetrachloroethene	10	9.9	99 %	10	9.8	98 %	1 %	70 - 130 %	25%
591-78-6	2-Hexanone	20	19	93 %	20	18	92 %	5 %	70 - 130 %	25%
124-48-1	Dibromochloromethane	10	9.8	98 %	10	10	105 %	2 %	70 - 130 %	25%
108-90-7	Chlorobenzene	10	9.7	97 %	10	9.6	96 %	1 %	70 - 130 %	25%
100-41-4	Ethylbenzene	10	9.9	99 %	10	10	101 %	1 %	70 - 130 %	25%
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	20	19	97 %	20	19	97 %	0 %	70 - 130 %	25%
95-47-6	*ortho*-Xylene	10	9.7	97 %	10	9.6	96 %	1 %	70 - 130 %	25%
100-42-5	Styrene	10	9.8	98 %	10	9.7	97 %	1 %	70 - 130 %	25%
75-25-2	Bromoform	10	9.7	97 %	10	10	100 %	3 %	70 - 130 %	25%
79-34-5	1,1,2,2-Tetrachloroethane	10	9.6	96 %	10	9.7	97 %	1 %	70 - 130 %	25%

QC Surrogate Compound	Spiked	Measured	Recovery	Spiked	Measured	Recovery		QC Limits
Dibromofluoromethane	10	10	101 %	10	10	104 %		70 - 130 %
1,2-Dichloroethane-d_4	10	10	100 %	10	10	104 %		70 - 130 %
Toluene-d_8	10	11	107 %	10	11	109 %		70 - 130 %
4-Bromofluorobenzene	10	11	105 %	10	11	107 %		70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: All calculations performed prior to rounding. Quality Control Limits are defined by the methodology, or alternatively based upon the historical average recovery plus or minus three standard deviation units.

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category:	**EPA Method 8260B TCL**	Instrument ID:	**MS-4 HP 6890**
QC Batch ID:	**VM4-3770-WB**	Analyzed:	**02-01-07 11:15**
Matrix:	**Aqueous**	Analyst:	**KMC**

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	*trans*-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl *tert*-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
156-59-2	*cis*-1,2-Dichloroethene	BRL		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	BRL		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	BRL		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
10061-01-5	*cis*-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	*trans*-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	BRL		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-38-3/106-42-3	*meta*-Xylene and *para*-Xylene	BRL		ug/L	0.5
95-47-6	*ortho*-Xylene	BRL		ug/L	0.5
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	0.5

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	10	**103 %**	70 - 130 %
1,2-Dichloroethane-d_4	10	10	**101 %**	70 - 130 %
Toluene-d_8	10	11	**106 %**	70 - 130 %
4-Bromofluorobenzene	10	11	**107 %**	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8270C	Instrument ID:	MS-12 Agilent 6890	Instrument ID:	MS-12 Agilent 6890
QC Batch ID:	SV-2031-F	Extracted:	01-30-07 10:00	Extracted:	01-30-07 10:00
Matrix:	Aqueous	Analyzed:	02-01-07 09:45	Analyzed:	02-01-07 10:28
Units:	ug/L	Analyst:	MJB	Analyst:	MJB

CAS Number	Analyte	LCS			LCS Duplicate				QC Limits	
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD
62-75-9	N-Nitrosodimethylamine	50	32	63 %	50	26	52 %	20 %	40 - 140 %	25%
110-86-1	Pyridine	50	27	54 %	50	24	49 %	11 %	40 - 140 %	25%
108-95-2	Phenol	50	25	51 %	50	21	42 %	19 %	30 - 130 %	25%
62-53-3	Aniline	50	48	96 %	50	47	95 %	1 %	40 - 140 %	25%
111-44-4	Bis(2-chloroethyl) ether	50	37	73 %	50	33	67 %	9 %	40 - 140 %	25%
95-57-8	2-Chlorophenol	50	34	68 %	50	31	62 %	10 %	30 - 130 %	25%
541-73-1	1,3-Dichlorobenzene	50	36	71 %	50	32	63 %	12 %	40 - 140 %	25%
106-46-7	1,4-Dichlorobenzene	50	36	71 %	50	32	63 %	11 %	40 - 140 %	25%
100-51-6	Benzyl Alcohol	50	40	81 %	50	38	75 %	7 %	30 - 130 %	25%
95-50-1	1,2-Dichlorobenzene	50	36	72 %	50	32	65 %	11 %	40 - 140 %	25%
95-48-7	2-Methylphenol	50	35	71 %	50	32	65 %	8 %	30 - 130 %	25%
108-60-1	Bis(2-chloroisopropyl) ether	50	39	77 %	50	36	71 %	8 %	40 - 140 %	25%
106-44-5	4-Methylphenol	50	36	73 %	50	34	67 %	8 %	30 - 130 %	25%
621-64-7	N-Nitrosodi-n-propylamine	50	42	84 %	50	40	80 %	5 %	40 - 140 %	25%
98-86-2	Acetophenone	50	44	87 %	50	41	82 %	6 %	40 - 140 %	25%
67-72-1	Hexachloroethane	50	35	70 %	50	31	62 %	12 %	40 - 140 %	25%
98-95-3	Nitrobenzene	50	40	80 %	50	37	75 %	7 %	40 - 140 %	25%
78-59-1	Isophorone	50	40	80 %	50	37	75 %	7 %	40 - 140 %	25%
88-75-5	2-Nitrophenol	50	41	82 %	50	39	77 %	6 %	30 - 130 %	25%
105-67-9	2,4-Dimethylphenol	50	39	78 %	50	37	73 %	6 %	30 - 130 %	25%
111-91-1	Bis(2-chloroethoxy) methane	50	39	77 %	50	36	73 %	6 %	40 - 140 %	25%
120-83-2	2,4-Dichlorophenol	50	39	77 %	50	36	73 %	6 %	30 - 130 %	25%
120-82-1	1,2,4-Trichlorobenzene	50	38	77 %	50	36	72 %	7 %	40 - 140 %	25%
91-20-3	Naphthalene	50	38	77 %	50	36	72 %	6 %	40 - 140 %	25%
106-47-8	4-Chloroaniline	50	46	92 %	50	45	90 %	2 %	40 - 140 %	25%
87-68-3	Hexachlorobutadiene	50	36	72 %	50	34	68 %	6 %	40 - 140 %	25%
59-50-7	4-Chloro-3-methylphenol	50	44	88 %	50	41	83 %	6 %	30 - 130 %	25%
91-57-6	2-Methylnaphthalene	50	42	84 %	50	39	79 %	6 %	40 - 140 %	25%
77-47-4	Hexachlorocyclopentadiene	50	37	75 %	50	35	71 %	5 %	40 - 140 %	25%
88-06-2	2,4,6-Trichlorophenol	50	42	83 %	50	40	79 %	5 %	30 - 130 %	25%
95-95-4	2,4,5-Trichlorophenol	50	44	88 %	50	41	82 %	6 %	30 - 130 %	25%
91-58-7	2-Chloronaphthalene	50	41	82 %	50	39	77 %	6 %	40 - 140 %	25%
88-74-4	2-Nitroaniline	50	47	94 %	50	44	88 %	6 %	40 - 140 %	25%
100-25-4	1,4-Dinitrobenzene	50	41	83 %	50	40	79 %	4 %	40 - 140 %	25%
131-11-3	Dimethyl phthalate	50	46	92 %	50	44	88 %	4 %	40 - 140 %	25%
99-65-0	1,3-Dinitrobenzene	50	43	86 %	50	41	82 %	4 %	40 - 140 %	25%
208-96-8	Acenaphthylene	50	43	85 %	50	40	81 %	5 %	40 - 140 %	25%
606-20-2	2,6-Dinitrotoluene	50	46	93 %	50	44	88 %	5 %	40 - 140 %	25%
528-29-0	1,2-Dinitrobenzene	50	42	84 %	50	41	81 %	4 %	40 - 140 %	25%
99-09-2	3-Nitroaniline	50	47	94 %	50	46	91 %	3 %	40 - 140 %	25%
83-32-9	Acenaphthene	50	42	83 %	50	40	80 %	4 %	40 - 140 %	25%
51-28-5	2,4-Dinitrophenol	50	39	78 %	50	37	74 %	5 %	30 - 130 %	25%
100-02-7	4-Nitrophenol	50	28	56 %	50	25	49 %	13 %	30 - 130 %	25%
132-64-9	Dibenzofuran	50	44	88 %	50	42	84 %	5 %	40 - 140 %	25%
121-14-2	2,4-Dinitrotoluene	50	46	92 %	50	44	88 %	4 %	40 - 140 %	25%
84-66-2	Diethyl phthalate	50	46	92 %	50	45	89 %	3 %	40 - 140 %	25%
7005-72-3	4-Chlorophenyl phenyl ether	50	44	88 %	50	42	84 %	5 %	40 - 140 %	25%
86-73-7	Fluorene	50	43	86 %	50	41	82 %	5 %	40 - 140 %	25%

GROUNDWATER ANALYTICAL

Quality Control Report
Laboratory Control Samples

		LCS		LCSD	
Category:	EPA Method 8270C	Instrument ID:	MS-12 Agilent 6890	Instrument ID:	MS-12 Agilent 6890
QC Batch ID:	SV-2031-F	Extracted:	01-30-07 10:00	Extracted:	01-30-07 10:00
Matrix:	Aqueous	Analyzed:	02-01-07 09:45	Analyzed:	02-01-07 10:28
Units:	ug/L	Analyst:	MJB	Analyst:	MJB

CAS Number	Analyte	LCS			LCS Duplicate				QC Limits	
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD
100-01-6	4-Nitroaniline	50	48	96 %	50	48	95 %	1 %	40 - 140 %	25%
534-52-1	4,6-Dinitro-2-methylphenol	50	43	86 %	50	41	82 %	4 %	30 - 130 %	25%
86-30-6	N-Nitrosodiphenylamine †	50	45	90 %	50	43	86 %	5 %	40 - 140 %	25%
122-66-7	1,2-Diphenylhydrazine à	50	47	94 %	50	45	89 %	6 %	40 - 140 %	25%
101-55-3	4-Bromophenyl phenyl ether	50	52	103 %	50	49	98 %	5 %	40 - 140 %	25%
118-74-1	Hexachlorobenzene	50	44	87 %	50	41	83 %	5 %	40 - 140 %	25%
87-86-5	Pentachlorophenol	50	44	89 %	50	43	86 %	3 %	30 - 130 %	25%
85-01-8	Phenanthrene	50	43	87 %	50	42	83 %	4 %	40 - 140 %	25%
120-12-7	Anthracene	50	45	90 %	50	43	86 %	4 %	40 - 140 %	25%
86-74-8	Carbazole	50	47	94 %	50	46	93 %	2 %	40 - 140 %	25%
84-74-2	Di-*n*-butyl phthalate	50	46	92 %	50	45	90 %	1 %	40 - 140 %	25%
206-44-0	Fluoranthene	50	44	88 %	50	43	86 %	2 %	40 - 140 %	25%
129-00-0	Pyrene	50	45	91 %	50	44	88 %	3 %	40 - 140 %	25%
85-68-7	Butyl benzyl phthalate	50	46	92 %	50	45	91 %	2 %	40 - 140 %	25%
91-94-1	3,3'-Dichlorobenzidine	50	44	88 %	50	44	88 %	1 %	40 - 140 %	25%
56-55-3	Benzo[a]anthracene	50	45	90 %	50	45	89 %	1 %	40 - 140 %	25%
218-01-9	Chrysene	50	46	91 %	50	44	89 %	2 %	40 - 140 %	25%
117-81-7	Bis(2-ethylhexyl) phthalate	50	48	95 %	50	47	94 %	1 %	40 - 140 %	25%
117-84-0	Di-*n*-octyl phthalate	50	48	95 %	50	47	95 %	0 %	40 - 140 %	25%
205-99-2	Benzo[b]fluoranthene	50	44	88 %	50	44	88 %	0 %	40 - 140 %	25%
207-08-9	Benzo[k]fluoranthene	50	44	88 %	50	44	88 %	0 %	40 - 140 %	25%
50-32-8	Benzo[a]pyrene	50	45	89 %	50	44	89 %	0 %	40 - 140 %	25%
193-39-5	Indeno[1,2,3-c,d]pyrene	50	44	88 %	50	43	86 %	2 %	40 - 140 %	25%
53-70-3	Dibenzo[a,h]anthracene	50	44	88 %	50	44	88 %	0 %	40 - 140 %	25%
191-24-2	Benzo[g,h,i]perylene	50	41	82 %	50	41	83 %	1 %	40 - 140 %	25%

QC Surrogate Compound	Spiked	Measured	Recovery	Spiked	Measured	Recovery		QC Limits
2-Fluorophenol	200	120	58 %	200	97	48 %		15 - 110 %
Phenol-d5	200	94	47 %	200	78	39 %		15 - 110 %
Nitrobenzene-d5	100	72	72 %	100	67	67 %		30 - 130 %
2-Fluorobiphenyl	100	74	74 %	100	70	70 %		30 - 130 %
2,4,6-Tribromophenol	200	180	88 %	200	170	84 %		15 - 110 %
Terphenyl-d14	100	79	79 %	100	78	78 %		30 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996). Sample extraction performed by EPA Method 3510C.

Report Notations: All calculations performed prior to rounding. Quality Control Limits are defined by the methodology, or alternatively based upon the historical average recovery plus or minus three standard deviation units.

† Reported as sum of N-Nitrosodiphenylamine and Diphenylamine.

◊ Analyzed as Azobenzene.

GROUNDWATER ANALYTICAL

Quality Control Report
Method Blank

Category:	**EPA Method 8270C**	Instrument ID:	**MS-12 Agilent 6890**
QC Batch ID:	**SV-2031-F**	Extracted:	**01-30-07 10:00**
Matrix:	**Aqueous**	Analyzed:	**02-01-07 09:01**
		Analyst:	**MJB**

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
62-75-9	N-Nitrosodimethylamine	BRL		ug/L	5
110-86-1	Pyridine	BRL		ug/L	5
108-95-2	Phenol	BRL		ug/L	5
62-53-3	Aniline	BRL		ug/L	5
111-44-4	Bis(2-chloroethyl) ether	BRL		ug/L	5
95-57-8	2-Chlorophenol	BRL		ug/L	5
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	5
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	5
100-51-6	Benzyl Alcohol	BRL		ug/L	5
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	5
95-48-7	2-Methylphenol	BRL		ug/L	5
108-60-1	Bis(2-chloroisopropyl) ether	BRL		ug/L	5
108-39-4/106-44-5	3 and 4-Methylphenol *	BRL		ug/L	5
621-64-7	N-Nitrosodi-n-propylamine	BRL		ug/L	5
98-86-2	Acetophenone	BRL		ug/L	5
67-72-1	Hexachloroethane	BRL		ug/L	5
98-95-3	Nitrobenzene	BRL		ug/L	5
78-59-1	Isophorone	BRL		ug/L	5
88-75-5	2-Nitrophenol	BRL		ug/L	5
105-67-9	2,4-Dimethylphenol	BRL		ug/L	5
111-91-1	Bis(2-chloroethoxy) methane	BRL		ug/L	5
120-83-2	2,4-Dichlorophenol	BRL		ug/L	5
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	5
91-20-3	Naphthalene	BRL		ug/L	5
106-47-8	4-Chloroaniline	BRL		ug/L	5
87-68-3	Hexachlorobutadiene	BRL		ug/L	5
59-50-7	4-Chloro-3-methylphenol	BRL		ug/L	5
91-57-6	2-Methylnaphthalene	BRL		ug/L	5
77-47-4	Hexachlorocyclopentadiene	BRL		ug/L	5
88-06-2	2,4,6-Trichlorophenol	BRL		ug/L	5
95-95-4	2,4,5-Trichlorophenol	BRL		ug/L	5
91-58-7	2-Chloronaphthalene	BRL		ug/L	5
88-74-4	2-Nitroaniline	BRL		ug/L	5
100-25-4	1,4-Dinitrobenzene	BRL		ug/L	5
131-11-3	Dimethyl phthalate	BRL		ug/L	5
99-65-0	1,3-Dinitrobenzene	BRL		ug/L	5
208-96-8	Acenaphthylene	BRL		ug/L	5
606-20-2	2,6-Dinitrotoluene	BRL		ug/L	5
528-29-0	1,2-Dinitrobenzene	BRL		ug/L	5
99-09-2	3-Nitroaniline	BRL		ug/L	5
83-32-9	Acenaphthene	BRL		ug/L	5
51-28-5	2,4-Dinitrophenol	BRL		ug/L	10
100-02-7	4-Nitrophenol	BRL		ug/L	5
132-64-9	Dibenzofuran	BRL		ug/L	5
121-14-2	2,4-Dinitrotoluene	BRL		ug/L	5
84-66-2	Diethyl phthalate	BRL		ug/L	5
7005-72-3	4-Chlorophenyl phenyl ether	BRL		ug/L	5
86-73-7	Fluorene	BRL		ug/L	5
100-01-6	4-Nitroaniline	BRL		ug/L	5

Quality Control Report
Method Blank

Category:	**EPA Method 8270C**	Instrument ID:	**MS-12 Agilent 6890**
QC Batch ID:	**SV-2031-F**	Extracted:	**01-30-07 10:00**
Matrix:	**Aqueous**	Analyzed:	**02-01-07 09:01**
		Analyst:	**MJB**

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
534-52-1	4,6-Dinitro-2-methylphenol	BRL		ug/L	5
86-30-6	N-Nitrosodiphenylamine †	BRL		ug/L	5
122-66-7	1,2-Diphenylhydrazine ◊	BRL		ug/L	5
101-55-3	4-Bromophenyl phenyl ether	BRL		ug/L	5
118-74-1	Hexachlorobenzene	BRL		ug/L	5
87-86-5	Pentachlorophenol	BRL		ug/L	5
85-01-8	Phenanthrene	BRL		ug/L	5
120-12-7	Anthracene	BRL		ug/L	5
86-74-8	Carbazole	BRL		ug/L	5
84-74-2	Di-*n*-butyl phthalate	BRL		ug/L	5
206-44-0	Fluoranthene	BRL		ug/L	5
129-00-0	Pyrene	BRL		ug/L	5
85-68-7	Butyl benzyl phthalate	BRL		ug/L	5
91-94-1	3,3'-Dichlorobenzidine	BRL		ug/L	5
56-55-3	Benzo[a]anthracene	BRL		ug/L	5
218-01-9	Chrysene	BRL		ug/L	5
117-81-7	Bis(2-ethylhexyl) phthalate	BRL		ug/L	5
117-84-0	Di-*n*-octyl phthalate	BRL		ug/L	5
205-99-2	Benzo[b]fluoranthene	BRL		ug/L	5
207-08-9	Benzo[k]fluoranthene	BRL		ug/L	5
50-32-8	Benzo[a]pyrene	BRL		ug/L	5
193-39-5	Indeno[1,2,3-c,d]pyrene	BRL		ug/L	5
53-70-3	Dibenzo[a,h]anthracene	BRL		ug/L	5
191-24-2	Benzo[g,h,i]perylene	BRL		ug/L	5

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
2-Fluorophenol	200	120	**59 %**	15 - 110 %
Phenol-d5	200	91	**46 %**	15 - 110 %
Nitrobenzene-d5	100	74	**74 %**	30 - 130 %
2-Fluorobiphenyl	100	72	**72 %**	30 - 130 %
2,4,6-Tribromophenol	200	160	**82 %**	15 - 110 %
Terphenyl-d14	100	73	**73 %**	30 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).
Sample extraction performed by EPA Method 3510C.

Report Notations:
BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.
* Analyzed as 4-Methylphenol.
† Reported as sum of N-Nitrosodiphenylamine and Diphenylamine.
◊ Analyzed as Azobenzene.

GROUNDWATER ANALYTICAL

Certifications and Approvals

Groundwater Analytical maintains environmental laboratory certification in a variety of states. Copies of our current certificates may be obtained from our website:

http://www.groundwateranalytical.com/qualifications.htm

CONNECTICUT

Department of Health Services, PH-0586 — Potable Water, Wastewater, Solid Waste and Soil
http://www.dph.state.ct.us/BRS/Environmental Lab/out state.pdf

FLORIDA

Department of Health, Bureau of Laboratories, E87643 — SDWA, CWA, RCRA/CERCLA
http://www.floridadep.org/labs/qa/dohforms.htm

MAINE

Department of Health and Human Services, MA0103 — Drinking Water and Wastewater
http://www.maine.gov/dhhs/eng/water/Templates/LabCertification/LabCertification.htm

Department of Environmental Protection, LB-0072 — Asbestos Analytical Laboratory (Bulk)

MASSACHUSETTS

Department of Environmental Protection, M-MA-103 — Potable Water and Non-Potable Water
http://public.dep.state.ma.us/labcert/labcert.aspx

Department of Labor, Division of Occupational Safety, AA000195 — Asbestos Analytical Services, Class A
http://www.mass.gov/dos/forms/la-rpt list aa.pdf

NEW HAMPSHIRE

Department of Environmental Services, 2027 — Drinking Water and Wastewater
http://www.des.state.nh.us/asp/NHELAP/labsview.asp

NIST NATIONAL VOLUNTARY LABORATORY ACCREDITATION PROGRAM (NVLAP)

NVLAP Lab Code 200751-1 — Bulk Asbestos Fiber Analysis (PLM)
http://ts.nist.gov/Standards/scopes/plmtm.htm

NEW YORK

Department of Health, 11754 — Potable Water, Non-Potable Water and Solid Waste
http://www.wadsworth.org/labcert/elap/comm.html

RHODE ISLAND

Department of Health, Division of Laboratories, LAO00054 — Potable and Non-Potable Water Microbiology, Organic and Inorganic Chemistry
http://www.health.ri.gov/labs/outofstatelabs.pdf

Department of Health, Office of Occupational and Radiological Health, AAL-110B3 — Asbestos Analytical Service, Polarized Light Microscopy (PLM)
http://www.health.ri.gov/environment/occupational/asbestos/licensees/AsbestosAnalyticalLabs.pdf

U.S. DEPARTMENT OF AGRICULTURE

USDA, Soil Permit, S-53921 — Foreign soil import permit

VERMONT

Department of Health, VT87643 — Drinking Water Microbiological, Inorganic and Organic Analyses
http://healthvermont.gov/enviro/ph lab/documents/certified labs.pdf

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH

Analysis Report

September 26, 2006

FOR: Attn: Mr. Jon Simpson
Charter Environmental Inc
72 Jonspin Road
Wilmington, MA 01887

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		09/19/06	10:00
Location Code:	CHARTER	Received by:	LB	09/21/06	14:30
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20331				

SDG I.D.: GAH53119
Phoenix I.D.: AH53119

Laboratory Data

Client ID: WYANDANCH SE-1

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	97		%	09/22/06		SW	E160.3
Flash Point	>200	200	degree F	09/22/06		KL	SW846 - 1010
Ignitability	Passed	140	deg F	09/22/06		KL	SW846 - 1010
pH	6.31	0.10	pH Units	09/21/06	23:00	CD	E150.1/SW9045
Reactivity Cyanide	< 1.0	1.0	mg/Kg	09/22/06		GD	SW 846-7.3
Reactivity Sulfide	< 20	20	mg/Kg	09/21/06		GD	SW846-7.3
Reactivity	Negative			09/21/06		GD	SW 846-7.3

Comments: ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

Phyllis Shiller, Laboratory Director
September 26, 2006

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH

Analysis Report

September 26, 2006

FOR: Attn: Mr. Jon Simpson
Charter Environmental Inc
72 Jonspin Road
Wilmington, MA 01887

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		09/19/06	10:00
Location Code:	CHARTER	Received by:	LB	09/21/06	14:30
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20331				

SDG I.D.: GAH53119
Phoenix I.D.: AH53120

Laboratory Data

Client ID: WYANDANCH E-5

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	94		%	09/22/06		SW	E160.3
Flash Point	>200	200	degree F	09/22/06		KL	SW846 - 1010
Ignitability	Passed	140	deg F	09/22/06		KL	SW846 - 1010
pH	6.09	0.10	pH Units	09/21/06	23:00	CD	E150.1/SW9045
Reactivity Cyanide	< 1.0	1.0	mg/Kg	09/22/06		GD	SW 846-7.3
Reactivity Sulfide	< 20	20	mg/Kg	09/21/06		GD	SW846-7.3
Reactivity	Negative			09/21/06		GD	SW 846-7.3

Comments: ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

Phyllis Shiller

Phyllis Shiller, Laboratory Director
September 26, 2006

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH

Analysis Report

September 26, 2006

FOR: Attn: Mr. Jon Simpson
Charter Environmental Inc
72 Jonspin Road
Wilmington, MA 01887

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		09/19/06	10:00
Location Code:	CHARTER	Received by:	LB	09/21/06	14:30
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20331				

SDG I.D.: GAH53119
Phoenix I.D.: AH53121

Laboratory Data

Client ID: WYANDANCH S-2

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	95		%	09/22/06		SW	E160.3
Flash Point	>200	200	degree F	09/22/06		KL	SW846 - 1010
Ignitability	Passed	140	deg F	09/22/06		KL	SW846 - 1010
pH	6.73	0.10	pH Units	09/21/06	23:00	CD	E150.1/SW9045
Reactivity Cyanide	< 1.0	1.0	mg/Kg	09/22/06		GD	SW 846-7.3
Reactivity Sulfide	< 20	20	mg/Kg	09/21/06		GD	SW846-7.3
Reactivity	Negative			09/21/06		GD	SW 846-7.3

Comments: ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

Phyllis Shiller, Laboratory Director
September 26, 2006

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report
September 26, 2006

FOR: Attn: Mr. Jon Simpson
Charter Environmental Inc
72 Jonspin Road
Wilmington, MA 01887

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		09/19/06	10:00
Location Code:	CHARTER	Received by:	LB	09/21/06	14:30
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20331				

SDG I.D.: GAH53119
Phoenix I.D.: AH53122

Laboratory Data

Client ID: WYANDANCH E-6

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	95		%	09/22/06		SW	E160.3
Flash Point	>200	200	degree F	09/22/06		KL	SW846 - 1010
Ignitability	Passed	140	deg F	09/22/06		KL	SW846 - 1010
pH	5.91	0.10	pH Units	09/21/06	23:00	CD	E150.1/SW9045
Reactivity Cyanide	< 1.0	1.0	mg/Kg	09/22/06		GD	SW 846-7.3
Reactivity Sulfide	< 20	20	mg/Kg	09/21/06		GD	SW846-7.3
Reactivity	Negative			09/21/06		GD	SW 846-7.3

Comments: ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

Phyllis Shiller, Laboratory Director
September 26, 2006

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Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

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Analysis Report

September 26, 2006

FOR: Attn: Mr. Jon Simpson
Charter Environmental Inc
72 Jonspin Road
Wilmington, MA 01887

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		09/19/06	10:00
Location Code:	CHARTER	Received by:	LB	09/21/06	14:30
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20331				

SDG I.D.: GAH53119
Phoenix I.D.: AH53123

Laboratory Data

Client ID: WYANDANCH E-10

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	95		%	09/22/06		SW	E160.3
Flash Point	>200	200	degree F	09/22/06		KL	SW846 - 1010
Ignitability	Passed	140	deg F	09/22/06		KL	SW846 - 1010
pH	7.02	0.10	pH Units	09/21/06	23:00	CD	E150.1/SW9045
Reactivity Cyanide	< 1.0	1.0	mg/Kg	09/22/06		GD	SW 846-7.3
Reactivity Sulfide	< 20	20	mg/Kg	09/21/06		GD	SW846-7.3
Reactivity	Negative			09/21/06		GD	SW 846-7.3

Comments: ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

Phyllis Shiller, Laboratory Director
September 26, 2006

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

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QA/QC Report

September 26, 2006

QA/QC Data

SDG I.D.: GAH53119

Parameter	Blank	Dup RPD	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
QA/QC Batch 64512, Sample No: AH53119 (AH53119, AH53120, AH53121, AH53122, AH53123)								
Flash Point			NC	Passed				
QA/QC Batch 64465, Sample No: AH53119 (AH53119, AH53120, AH53121, AH53122, AH53123)								
Reactivity Cyanide	BDL		NC	96.5				
QA/QC Batch 64468, Sample No: AH53121 (AH53119, AH53120, AH53121, AH53122)								
pH				100.0				
QA/QC Batch 64469, Sample No: AH53165 (AH53123)								
pH				99.8				

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria

Phyllis Shiller, Laboratory Director
September 26, 2006

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

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Analysis Report

October 30, 2006

FOR: Attn: Mr. Jon Simpson
Charter Environmental Inc
72 Jonspin Road
Wilmington, MA 01887

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		10/26/06	10:00
Location Code:	CHARTER	Received by:	LP	10/26/06	15:16
Rush Request:	RUSH#	Analyzed by:	see "By" below		
P.O.#:	20331				

SDG I.D.: GAH63911
Phoenix I.D.: AH63911

Laboratory Data

Client ID: WYANDANCH LEACHATE SUMP

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 5.0	5.0	mg/Kg	10/27/06		EK	SW6010
Arsenic	< 100	100	mg/Kg	10/27/06		EK	SW6010
Barium	1410	0.50	mg/Kg	10/26/06		M/E	SW6010
Cadmium	16.6	5.0	mg/Kg	10/27/06		EK	SW6010
Chromium	75700	50.0	mg/Kg	10/27/06		EK	SW6010
Copper	12400	50.0	mg/Kg	10/27/06		EK	SW6010
Mercury - Soil	< 0.10	0.10	mg/kg	10/27/06		RS	SW-7471
Nickel	72300	50.0	mg/Kg	10/27/06		EK	SW6010
Lead	1650	5.0	mg/Kg	10/27/06		EK	SW6010
Selenium	< 25.0	25.0	mg/Kg	10/27/06		EK	SW6010
TCLP Silver	< 0.01	0.01	mg/L	10/27/06		EK	E1311/SW6010
TCLP Arsenic	< 0.01	0.01	mg/L	10/27/06		EK	E1311/SW6010
TCLP Barium	0.053	0.01	mg/L	10/27/06		EK	E1311/SW6010
TCLP Cadmium	< 0.005	0.005	mg/L	10/27/06		EK	E1311/SW6010
TCLP Chromium	0.03	0.01	mg/L	10/27/06		EK	E1311/SW6010
TCLP Copper	0.016	0.01	mg/L	10/27/06		EK	E1311/SW6010
TCLP Nickel	9.60	0.10	mg/L	10/27/06		EK	E1311/SW6010
TCLP Lead	< 0.015	0.015	mg/L	10/27/06		EK	SW1311/6010
TCLP Selenium	< 0.05	0.05	mg/L	10/27/06		EK	E1311/SW6010
TCLP Zinc	3.32	0.01	mg/L	10/27/06		EK	E1311/SW6010
TCLP Mercury	< 0.001	0.001	mg/L	10/27/06		RS	E1311/E245.1
Zinc	27100	5.0	mg/Kg	10/27/06		EK	SW6010
Percent Solid	21		%	10/26/06		U/D	E160.3
Total Cyanide	< 0.20	0.20	mg/Kg	10/26/06		MJE	SW9010

Client ID: WYANDANCH LEACHATE SUMP Phoenix I.D.: AH63911

Parameter	Result	RL	Units	Date	Time	By	Reference
Mercury Digestion	Completed			10/27/06		D	SW7471
TCLP Digestion Mercury	Completed			10/27/06		D	E1311/7470
TCLP Extraction for Metals	Completed			10/26/06		D	EPA 1311
Total Metals Digest	Completed			10/26/06		AG	SW846 - 3050
TCLP Metals Digestion	Completed			10/27/06		D	SW846 - 3005

Comments: ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

Phyllis Shiller, Laboratory Director
October 30, 2006

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

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QA/QC Report

October 30, 2006

QA/QC Data

SDG I.D.: GAH63911

Parameter	Blank	Dup RPD	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
QA/QC Batch 66558, Sample No: AH63320 (AH63911)								
Mercury - Soil	BDL	NC	110			113	99	13.2
QA/QC Batch 66437, Sample No: AH63447 (AH63911)								
ICP Metals - Soil								
Aluminum	BDL	6.80	116	122	5.0	NC	NC	NC
Antimony	BDL	NC	101	98.6	2.4	65.4	65.5	0.2
Arsenic	BDL	NC	104	102	1.9	80.6	80.6	0.0
Barium	BDL	5.80	104	102	1.9	77.1	77.8	0.9
Beryllium	BDL	NC	106	106	0.0	81.6	81.6	0.0
Boron	BDL	---	---	---	NC	---	---	NC
Cadmium	BDL	NC	105	104	1.0	78.8	78.7	0.1
Calcium	BDL	---	---	---	NC	---	---	NC
Chromium	BDL	9.90	107	107	0.0	81.8	82.8	1.2
Cobalt	BDL	4.10	106	104	1.9	80.4	79.4	1.3
Copper	BDL	6.60	109	106	2.8	70.4	81.7	14.9
Iron	BDL	3.20	139	150	7.6	NC	NC	NC
Lead	BDL	3.90	106	105	0.9	69.5	82.7	17.3
Magnesium	BDL	---	---	---	NC	---	---	NC
Manganese	BDL	12.3	113	113	0.0	111	143	25.2
Molybdenum	BDL	---	---	---	NC	---	---	NC
Nickel	BDL	2.10	108	106	1.9	80.9	82.3	1.7
Phosphorus	BDL	---	---	---	NC	---	---	NC
Potassium	BDL	---	---	---	NC	---	---	NC
Selenium	BDL	NC	94.3	93.3	1.1	74.2	74.4	0.3
Silver	BDL	NC	105	103	1.9	81.6	81.1	0.6
Sodium	BDL	---	---	---	NC	---	---	NC
Thallium	BDL	NC	105	103	1.9	80.7	80.2	0.6
Tin	BDL	---	---	---	NC	---	---	NC
Vanadium	BDL	11.2	109	107	1.9	80.8	79.3	1.9
Zinc	BDL	11.4	104	103	1.0	25.9	64.6	85.5
QA/QC Batch 66556, Sample No: AH63947 (AH63911)								
Mercury	BDL	NC	107			105	102	2.9
QA/QC Batch 66559, Sample No: AH64040 (AH63911)								

QA/QC Data

SDG I.D.: GAH63911

Parameter	Blank	Dup RPD	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
ICP Metals - Aqueous Extraction								
Arsenic	BDL	NC	107	109	1.9	109	108	0.9
Barium	BDL	0.3	96.7	97.2	0.5	93.8	86.1	8.6
Cadmium	BDL	NC	45.8	44.6	2.7	47.4	44.6	6.1
Chromium	BDL	NC	95.6	95.4	0.2	95.8	94.8	1.0
Copper	BDL	0.1	107	110	2.8	112	105	6.5
Lead	BDL	0.3	98.5	99.3	0.8	88.0	NC	NC
Nickel	BDL	1.40	94.3	95.2	0.9	93.9	92.9	1.1
Selenium	BDL	NC	114	115	0.9	114	114	0.0
Silver	BDL	NC	107	108	0.9	108	108	0.0
Zinc	BDL	0.4	99.6	101	1.4	76.0	NC	NC

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria

Phyllis Shiller, Laboratory Director
October 30, 2006

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH

Analysis Report

December 06, 2006

FOR: Attn: Mr. Jon Simpson
Charter Environmental Inc
72 Jonspin Road
Wilmington, MA 01887

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		09/19/06	10:10
Location Code:	CHARTER	Received by:	LB	09/20/06	17:30
Rush Request:	ADD ON	Analyzed by:	see "By" below		
P.O.#:	20331				

SDG I.D.: GAH52948
Phoenix I.D.: AH52948

Laboratory Data

Client ID: WYANDANCH SE-1

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.5	0.5	mg/Kg	09/21/06		EKT	SW6010
Arsenic	< 1	1	mg/Kg	09/21/06		EKT	SW6010
Barium	40.8	0.50	mg/Kg	09/21/06		EKT	SW6010
Beryllium	< 0.4	0.4	mg/Kg	09/21/06		EKT	SW6010
Cadmium	< 0.5	0.5	mg/Kg	09/21/06		EKT	SW6010
Chromium	25.3	0.5	mg/Kg	09/21/06		EKT	SW6010
Copper	14.8	0.5	mg/Kg	09/21/06		EK	SW6010
Mercury - Soil	< 0.10	0.10	mg/kg	09/21/06		RS	SW-7471
Nickel	14.4	0.5	mg/Kg	09/21/06		EKT	SW6010
Lead	3	0.5	mg/Kg	09/21/06		EKT	SW6010
Antimony	< 5	5	mg/Kg	09/21/06		EKT	SW6010
Selenium	< 2.5	2.5	mg/Kg	09/21/06		EKT	SW6010
TCLP Silver	< 0.01	0.01	mg/L	09/23/06		EK	E1311/SW6010
TCLP Arsenic	< 0.01	0.01	mg/L	09/23/06		EK	E1311/SW6010
TCLP Barium	2.31	0.01	mg/L	09/23/06		EK	E1311/SW6010
TCLP Cadmium	< 0.005	0.005	mg/L	09/23/06		EK	E1311/SW6010
TCLP Chromium	0.015	0.01	mg/L	09/23/06		EK	E1311/SW6010
TCLP Lead	0.02	0.015	mg/L	09/23/06		EK	SW1311/6010
TCLP Selenium	< 0.05	0.05	mg/L	09/23/06		EK	E1311/SW6010
TCLP Mercury	< 0.001	0.001	mg/L	09/22/06		RS	E1311/E245.1
Thallium	< 2.0	2.0	mg/Kg	09/21/06		EKT	SW6010
Vanadium	3.28	0.50	mg/Kg	09/21/06		EKT	6010
Zinc	7.82	0.5	mg/Kg	09/21/06		EK	SW6010
Percent Solid	97		%	09/21/06		C/D	E160.3

Client ID: WYANDANCH SE-1 Phoenix I.D.: AH52948

Parameter	Result	RL	Units	Date	Time	By	Reference
Chromium, Hexavalent	3.01	0.46	mg/Kg	12/01/06		EG	SW3060/7196
Tot.Org.Carbon	3800	100	mg/kg	09/22/06		JL	EPA Kahn 6/99
Field Extraction	Completed			09/19/06		BP	SW5035
Mercury Digestion	Completed			09/21/06		D	SW7471
Sieve Test	Completed			10/03/06		OL	ASTM
Soil Extraction for PCB	Completed			09/20/06		S/E	SW3545
Soil Ext. for Pesticide	Completed			09/20/06		S/E	3545
Soil Ext. for Semi- Vol	Completed			09/20/06		S/E	SW3545
TCLP Digestion Mercury	Completed			09/22/06		D	E1311/7470
TCLP Herbicides Extraction	Completed			09/21/06		O/E	SW8150 Mod
TCLP Extraction for Metals	Completed			09/20/06		O/D	EPA 1311
TCLP Extraction for Organics	Completed			09/20/06		O	1311
TCLP Pesticides Extraction	Completed			09/21/06		O	SW3510/3520
TCLP Semi-Volatile Extraction	Completed			09/21/06		O/K	SW3510/3520
TCLP Extraction Volatiles.	Completed			09/21/06		D	EPA 1311
Total Metals Digest	Completed			09/20/06		AG	SW846 - 3050
TCLP Metals Digestion	Completed			09/22/06		D	SW846 - 3005
Polychlorinated Biphenyls							
PCB-1016	ND	400	ug/Kg	09/21/06		JH	SW 8082
PCB-1221	ND	400	ug/Kg	09/21/06		JH	SW 8082
PCB-1232	ND	400	ug/Kg	09/21/06		JH	SW 8082
PCB-1242	ND	400	ug/Kg	09/21/06		JH	SW 8082
PCB-1248	ND	400	ug/Kg	09/21/06		JH	SW 8082
PCB-1254	ND	400	ug/Kg	09/21/06		JH	SW 8082
PCB-1260	ND	400	ug/Kg	09/21/06		JH	SW 8082
PCB-1262	ND	400	ug/Kg	09/21/06		JH	SW 8082
PCB-1268	ND	400	ug/Kg	09/21/06		JH	SW 8082
QA/QC Surrogates							
% DCBP (Surrogate Rec)	92		%	09/21/06		JH	SW 8082
% TCMX (Surrogate Rec)	91		%	09/21/06		JH	SW 8082
Pesticides - Soil							
4,4' -DDD	ND	32	ug/Kg	09/21/06		MH	SW8081
4,4' -DDE	ND	32	ug/Kg	09/21/06		MH	SW8081
4,4' -DDT	ND	32	ug/Kg	09/21/06		MH	SW8081
a-BHC	ND	16	ug/Kg	09/21/06		MH	SW8081
Aldrin	ND	7	ug/Kg	09/21/06		MH	SW8081
b-BHC	ND	16	ug/Kg	09/21/06		MH	SW8081
Chlordane	ND	66	ug/Kg	09/21/06		MH	SW8081
d-BHC	ND	16	ug/Kg	09/21/06		MH	SW8081
Dieldrin	ND	7.0	ug/Kg	09/21/06		MH	SW8081
Endosulfan I	ND	16	ug/Kg	09/21/06		MH	SW8081
Endosulfan II	ND	32	ug/Kg	09/21/06		MH	SW8081
Endosulfan sulfate	ND	32	ug/Kg	09/21/06		MH	SW8081

Client ID: WYANDANCH SE-1 Phoenix I.D.: AH52948

Parameter	Result	RL	Units	Date	Time	By	Reference
Endrin	ND	32	ug/Kg	09/21/06		MH	SW8081
Endrin aldehyde	ND	32	ug/Kg	09/21/06		MH	SW8081
Endrin ketone	ND	32	ug/Kg	09/21/06		MH	SW8081
g-BHC	ND	16	ug/Kg	09/21/06		MH	SW8081
Heptachlor	ND	13	ug/Kg	09/21/06		MH	SW8081
Heptachlor epoxide	ND	16	ug/Kg	09/21/06		MH	SW8081
Methoxychlor	ND	160	ug/Kg	09/21/06		MH	SW8081
Toxaphene	ND	160	ug/Kg	09/21/06		MH	SW8081
QA/QC Surrogates							
% DCBP (Surrogate Rec)	70		%	09/21/06		MH	SW8081
% TCMX (Surrogate Rec)	75		%	09/21/06		MH	SW8081
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	1.0	ug/L	09/27/06		KCA	SW8151
2,4-D	ND	5.0	ug/L	09/27/06		KCA	SW8151
QA/QC Surrogates							
% DCAA (Surrogate Rec)	118		%	09/27/06		KCA	SW8151
TCLP Pesticides							
4,4' -DDD	ND	0.1	ug/L	09/22/06		MH	SW 8081
4,4' -DDE	ND	0.1	ug/L	09/22/06		MH	SW 8081
4,4' -DDT	ND	0.1	ug/L	09/22/06		MH	SW 8081
a-BHC	ND	0.05	ug/L	09/22/06		MH	SW 8081
Aldrin	ND	0.05	ug/L	09/22/06		MH	SW 8081
b-BHC	ND	0.05	ug/L	09/22/06		MH	SW 8081
Chlordane	ND	0.3	ug/L	09/22/06		MH	SW 8081
d-BHC	ND	0.05	ug/L	09/22/06		MH	SW 8081
Dieldrin	ND	0.1	ug/L	09/22/06		MH	SW 8081
Endosulfan I	ND	0.05	ug/L	09/22/06		MH	SW 8081
Endosulfan II	ND	0.1	ug/L	09/22/06		MH	SW 8081
Endosulfan Sulfate	ND	0.1	ug/L	09/22/06		MH	SW 8081
Endrin	ND	0.1	ug/L	09/22/06		MH	SW 8081
Endrin Aldehyde	ND	0.1	ug/L	09/22/06		MH	SW 8081
g-BHC (Lindane)	ND	0.05	ug/L	09/22/06		MH	SW 8081
Heptachlor	ND	0.05	ug/L	09/22/06		MH	SW 8081
Heptachlor epoxide	ND	0.05	ug/L	09/22/06		MH	SW 8081
Methoxychlor	ND	0.2	ug/L	09/22/06		MH	SW 8081
Toxaphene	ND	1.0	ug/L	09/22/06		MH	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	99		%	09/22/06		MH	SW 8081
%TCMX (Surrogate Rec)	93		%	09/22/06		MH	SW 8081
TCLP Volatiles							
1,1-Dichloroethylene	ND	50	ug/L	09/25/06		R/J	SW 8260

Parameter	Result	RL	Units	Date	Time	By	Reference
1,2-Dichloroethane	ND	50	ug/L	09/25/06		R/J	SW 8260
Benzene	ND	50	ug/L	09/25/06		R/J	SW 8260
Carbon tetrachloride	ND	50	ug/L	09/25/06		R/J	SW 8260
Chlorobenzene	ND	50	ug/L	09/25/06		R/J	SW 8260
Chloroform	ND	50	ug/L	09/25/06		R/J	SW 8260
Methyl ethyl ketone	ND	50	ug/L	09/25/06		R/J	SW 8260
Tetrachloroethene	ND	50	ug/L	09/25/06		R/J	SW 8260
Trichloroethene	ND	50	ug/L	09/25/06		R/J	SW 8260
Vinyl chloride	ND	50	ug/L	09/25/06		R/J	SW 8260
QA/QC Surrogates							
%4-Bromofluorobenzene (Surrogate)	100		%	09/25/06		R/J	SW 8260
Volatiles							
1,1,1,2-Tetrachloroethane	ND	2.3	ug/Kg	09/21/06		RM	SW8260
1,1,1-Trichloroethane	ND	2.3	ug/Kg	09/21/06		RM	SW8260
1,1,2,2-Tetrachloroethane	ND	2.3	ug/Kg	09/21/06		RM	SW8260
1,1,2-Trichloroethane	ND	2.3	ug/Kg	09/21/06		RM	SW8260
1,1-Dichloroethane	ND	2.3	ug/Kg	09/21/06		RM	SW8260
1,1-Dichloroethene	ND	2.3	ug/Kg	09/21/06		RM	SW8260
1,1-Dichloropropene	ND	2.3	ug/Kg	09/21/06		RM	SW8260
1,2,3-Trichlorobenzene	ND	2.3	ug/Kg	09/21/06		RM	SW8260
1,2,3-Trichloropropane	ND	2.3	ug/Kg	09/21/06		RM	SW8260
1,2,4-Trichlorobenzene	ND	2.3	ug/Kg	09/21/06		RM	SW8260
1,2,4-Trimethylbenzene	ND	2.3	ug/Kg	09/21/06		RM	SW8260
1,2-Dibromo-3-chloropropane	ND	2.3	ug/Kg	09/21/06		RM	SW8260
1,2-Dichlorobenzene	ND	2.3	ug/Kg	09/21/06		RM	SW8260
1,2-Dichloroethane	ND	2.3	ug/Kg	09/21/06		RM	SW8260
1,2-Dichloropropane	ND	2.3	ug/Kg	09/21/06		RM	SW8260
1,3,5-Trimethylbenzene	ND	2.3	ug/Kg	09/21/06		RM	SW8260
1,3-Dichlorobenzene	ND	2.3	ug/Kg	09/21/06		RM	SW8260
1,3-Dichloropropane	ND	2.3	ug/Kg	09/21/06		RM	SW8260
1,4-Dichlorobenzene	ND	2.3	ug/Kg	09/21/06		RM	SW8260
2,2-Dichloropropane	ND	2.3	ug/Kg	09/21/06		RM	SW8260
2-Chlorotoluene	ND	2.3	ug/Kg	09/21/06		RM	SW8260
2-Hexanone	ND	11	ug/Kg	09/21/06		RM	SW8260
2-Isopropyltoluene	ND	2.3	ug/Kg	09/21/06		RM	SW8260
4-Chlorotoluene	ND	2.3	ug/Kg	09/21/06		RM	SW8260
4-Methyl-2-pentanone	ND	11	ug/Kg	09/21/06		RM	SW8260
Acetone	ND	50	ug/Kg	09/21/06		RM	SW8260
Acrylonitrile	ND	4.5	ug/Kg	09/21/06		RM	SW8260
Benzene	ND	2.3	ug/Kg	09/21/06		RM	SW8260
Bromobenzene	ND	2.3	ug/Kg	09/21/06		RM	SW8260
Bromochloromethane	ND	2.3	ug/Kg	09/21/06		RM	SW8260
Bromodichloromethane	ND	2.3	ug/Kg	09/21/06		RM	SW8260

Client ID: WYANDANCH SE-1 Phoenix I.D.: AH52948

Parameter	Result	RL	Units	Date	Time	By	Reference
Bromoform	ND	2.3	ug/Kg	09/21/06		RM	SW8260
Bromomethane	ND	2.3	ug/Kg	09/21/06		RM	SW8260
Carbon Disulfide	ND	2.3	ug/Kg	09/21/06		RM	SW8260
Carbon tetrachloride	ND	2.3	ug/Kg	09/21/06		RM	SW8260
Chlorobenzene	ND	2.3	ug/Kg	09/21/06		RM	SW8260
Chloroethane	ND	2.3	ug/Kg	09/21/06		RM	SW8260
Chloroform	ND	2.3	ug/Kg	09/21/06		RM	SW8260
Chloromethane	ND	2.3	ug/Kg	09/21/06		RM	SW8260
cis-1,2-Dichloroethene	ND	2.3	ug/Kg	09/21/06		RM	SW8260
cis-1,3-Dichloropropene	ND	2.3	ug/Kg	09/21/06		RM	SW8260
Dibromochloromethane	ND	2.3	ug/Kg	09/21/06		RM	SW8260
Dibromoethane	ND	2.3	ug/Kg	09/21/06		RM	SW8260
Dibromomethane	ND	2.3	ug/Kg	09/21/06		RM	SW8260
Dichlorodifluoromethane	ND	2.3	ug/Kg	09/21/06		RM	SW8260
Ethylbenzene	ND	2.3	ug/Kg	09/21/06		RM	SW8260
Hexachlorobutadiene	ND	2.3	ug/Kg	09/21/06		RM	SW8260
Isopropylbenzene	ND	2.3	ug/Kg	09/21/06		RM	SW8260
m&p-Xylene	ND	2.3	ug/Kg	09/21/06		RM	SW8260
Methyl Ethyl Ketone	ND	14	ug/Kg	09/21/06		RM	SW8260
Methyl t-butyl ether (MTBE)	ND	4.5	ug/Kg	09/21/06		RM	SW8260
Methylene chloride	ND	2.3	ug/Kg	09/21/06		RM	SW8260
n-Butylbenzene	ND	2.3	ug/Kg	09/21/06		RM	SW8260
n-Propylbenzene	ND	2.3	ug/Kg	09/21/06		RM	SW8260
Naphthalene	ND	2.3	ug/Kg	09/21/06		RM	SW8260
o-Xylene	ND	2.3	ug/Kg	09/21/06		RM	SW8260
p-Isopropyltoluene	ND	2.3	ug/Kg	09/21/06		RM	SW8260
sec-Butylbenzene	ND	2.3	ug/Kg	09/21/06		RM	SW8260
Styrene	ND	2.3	ug/Kg	09/21/06		RM	SW8260
tert-Butylbenzene	ND	2.3	ug/Kg	09/21/06		RM	SW8260
Tetrachloroethene	ND	2.3	ug/Kg	09/21/06		RM	SW8260
Tetrahydrofuran (THF)	ND	4.5	ug/Kg	09/21/06		RM	SW8260
Toluene	ND	2.3	ug/Kg	09/21/06		RM	SW8260
Total Xylenes	ND	2.3	ug/Kg	09/21/06		RM	SW8260
trans-1,2-Dichloroethene	ND	2.3	ug/Kg	09/21/06		RM	SW8260
trans-1,3-Dichloropropene	ND	2.3	ug/Kg	09/21/06		RM	SW8260
trans-1,4-dichloro-2-butene	ND	4.5	ug/Kg	09/21/06		RM	SW8260
Trichloroethene	ND	2.3	ug/Kg	09/21/06		RM	SW8260
Trichlorofluoromethane	ND	2.3	ug/Kg	09/21/06		RM	SW8260
Trichlorotrifluoroethane	ND	2.3	ug/Kg	09/21/06		RM	SW8260
Vinyl chloride	ND	2.3	ug/Kg	09/21/06		RM	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	105		%	09/21/06		RM	SW8260
% Bromofluorobenzene	96		%	09/21/06		RM	SW8260
% Dibromofluoromethane	103		%	09/21/06		RM	SW8260

Client ID: WYANDANCH SE-1 Phoenix I.D.: AH52948

Parameter	Result	RL	Units	Date	Time	By	Reference
% Toluene-d8	99		%	09/21/06		RM	SW8260
TCLP Acid/Base-Neutral							
1,4-Dichlorobenzene	ND	100	ug/L	09/22/06		KCA	SW 8270
2,4,5-Trichlorophenol	ND	100	ug/L	09/22/06		KCA	SW 8270
2,4,6-Trichlorophenol	ND	100	ug/L	09/22/06		KCA	SW 8270
2,4-Dinitrotoluene	ND	100	ug/L	09/22/06		KCA	SW 8270
2-Methylphenol (o-cresol)	ND	100	ug/L	09/22/06		KCA	SW 8270
3&4-Methylphenol (m&p-Cresol)	ND	100	ug/L	09/22/06		KCA	SW 8270
Hexachlorobenzene	ND	100	ug/L	09/22/06		KCA	SW 8270
Hexachlorobutadiene	ND	100	ug/L	09/22/06		KCA	SW 8270
Hexachloroethane	ND	100	ug/L	09/22/06		KCA	SW 8270
Nitrobenzene	ND	100	ug/L	09/22/06		KCA	SW 8270
Pentachlorophenol	ND	500	ug/L	09/22/06		KCA	SW 8270
Pyridine	ND	100	ug/L	09/22/06		KCA	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	75		%	09/22/06		KCA	SW 8270
% 2-Fluorobiphenyl	79		%	09/22/06		KCA	SW 8270
% 2-Fluorophenol	75		%	09/22/06		KCA	SW 8270
% Nitrobenzene-d5	87		%	09/22/06		KCA	SW 8270
% Phenol-d5	84		%	09/22/06		KCA	SW 8270
% Terphenyl-d14	86		%	09/22/06		KCA	SW 8270
Semivolatiles							
1,2,4-Trichlorobenzene	ND	340	ug/Kg	09/21/06		KCA	SW 8270
1,2-Dichlorobenzene	ND	340	ug/Kg	09/21/06		KCA	SW 8270
1,2-Diphenylhydrazine	ND	340	ug/Kg	09/21/06		KCA	SW 8270
1,3-Dichlorobenzene	ND	340	ug/Kg	09/21/06		KCA	SW 8270
1,4-Dichlorobenzene	ND	340	ug/Kg	09/21/06		KCA	SW 8270
2,4,5-Trichlorophenol	ND	340	ug/Kg	09/21/06		KCA	SW 8270
2,4,6-Trichlorophenol	ND	340	ug/Kg	09/21/06		KCA	SW 8270
2,4-Dichlorophenol	ND	340	ug/Kg	09/21/06		KCA	SW 8270
2,4-Dimethylphenol	ND	340	ug/Kg	09/21/06		KCA	SW 8270
2,4-Dinitrophenol	ND	990	ug/Kg	09/21/06		KCA	SW 8270
2,4-Dinitrotoluene	ND	340	ug/Kg	09/21/06		KCA	SW 8270
2,6-Dichlorophenol	ND	340	ug/Kg	09/21/06		KCA	SW 8270
2,6-Dinitrotoluene	ND	340	ug/Kg	09/21/06		KCA	SW 8270
2-Chloronaphthalene	ND	340	ug/Kg	09/21/06		KCA	SW 8270
2-Chlorophenol	ND	340	ug/Kg	09/21/06		KCA	SW 8270
2-Methylnaphthalene	ND	340	ug/Kg	09/21/06		KCA	SW 8270
2-Methylphenol (o-cresol)	ND	340	ug/Kg	09/21/06		KCA	SW 8270
2-Nitroaniline	ND	990	ug/Kg	09/21/06		KCA	SW 8270
2-Nitrophenol	ND	340	ug/Kg	09/21/06		KCA	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	340	ug/Kg	09/21/06		KCA	SW 8270

Client ID: WYANDANCH SE-1 Phoenix I.D.: AH52948

Parameter	Result	RL	Units	Date	Time	By	Reference
3,3'-Dichlorobenzidine	ND	410	ug/Kg	09/21/06		KCA	SW 8270
3-Nitroaniline	ND	990	ug/Kg	09/21/06		KCA	SW 8270
4,6-Dinitro-2-methylphenol	ND	990	ug/Kg	09/21/06		KCA	SW 8270
4-Bromophenyl phenyl ether	ND	340	ug/Kg	09/21/06		KCA	SW 8270
4-Chloro-3-methylphenol	ND	410	ug/Kg	09/21/06		KCA	SW 8270
4-Chloroaniline	ND	410	ug/Kg	09/21/06		KCA	SW 8270
4-Chlorophenyl phenyl ether	ND	340	ug/Kg	09/21/06		KCA	SW 8270
4-Nitroaniline	ND	990	ug/Kg	09/21/06		KCA	SW 8270
4-Nitrophenol	ND	990	ug/Kg	09/21/06		KCA	SW 8270
Acenaphthene	ND	340	ug/Kg	09/21/06		KCA	SW 8270
Acenaphthylene	ND	340	ug/Kg	09/21/06		KCA	SW 8270
Anthracene	ND	340	ug/Kg	09/21/06		KCA	SW 8270
Benz(a)anthracene	ND	340	ug/Kg	09/21/06		KCA	SW 8270
Benzidine	ND	340	ug/Kg	09/21/06		KCA	SW 8270
Benzo(a)pyrene	ND	340	ug/Kg	09/21/06		KCA	SW 8270
Benzo(b)fluoranthene	ND	340	ug/Kg	09/21/06		KCA	SW 8270
Benzo(ghi)perylene	ND	340	ug/Kg	09/21/06		KCA	SW 8270
Benzo(k)fluoranthene	ND	340	ug/Kg	09/21/06		KCA	SW 8270
Benzoic acid	ND	990	ug/Kg	09/21/06		KCA	SW 8270
Benzyl alcohol	ND	410	ug/Kg	09/21/06		KCA	SW 8270
Benzyl butyl phthalate	ND	340	ug/Kg	09/21/06		KCA	SW 8270
Bis(2-chloroethoxy)methane	ND	340	ug/Kg	09/21/06		KCA	SW 8270
Bis(2-chloroethyl)ether	ND	340	ug/Kg	09/21/06		KCA	SW 8270
Bis(2-chloroisopropyl)ether	ND	340	ug/Kg	09/21/06		KCA	SW 8270
Bis(2-ethylhexyl)phthalate	ND	340	ug/Kg	09/21/06		KCA	SW 8270
Chrysene	ND	340	ug/Kg	09/21/06		KCA	SW 8270
Di-n-butylphthalate	ND	340	ug/Kg	09/21/06		KCA	SW 8270
Di-n-octylphthalate	ND	340	ug/Kg	09/21/06		KCA	SW 8270
Dibenz(a,h)anthracene	ND	340	ug/Kg	09/21/06		KCA	SW 8270
Dibenzofuran	ND	340	ug/Kg	09/21/06		KCA	SW 8270
Diethyl phthalate	ND	340	ug/Kg	09/21/06		KCA	SW 8270
Dimethylphthalate	ND	340	ug/Kg	09/21/06		KCA	SW 8270
Fluoranthene	ND	340	ug/Kg	09/21/06		KCA	SW 8270
Fluorene	ND	340	ug/Kg	09/21/06		KCA	SW 8270
Hexachlorobenzene	ND	340	ug/Kg	09/21/06		KCA	SW 8270
Hexachlorobutadiene	ND	340	ug/Kg	09/21/06		KCA	SW 8270
Hexachlorocyclopentadiene	ND	340	ug/Kg	09/21/06		KCA	SW 8270
Hexachloroethane	ND	340	ug/Kg	09/21/06		KCA	SW 8270
Indeno(1,2,3-cd)pyrene	ND	340	ug/Kg	09/21/06		KCA	SW 8270
Isophorone	ND	340	ug/Kg	09/21/06		KCA	SW 8270
N-Nitrosodi-n-propylamine	ND	340	ug/Kg	09/21/06		KCA	SW 8270
N-Nitrosodimethylamine	ND	340	ug/Kg	09/21/06		KCA	SW 8270
N-Nitrosodiphenylamine	ND	340	ug/Kg	09/21/06		KCA	SW 8270
Naphthalene	ND	340	ug/Kg	09/21/06		KCA	SW 8270

Client ID: WYANDANCH SE-1 Phoenix I.D.: AH52948

Parameter	Result	RL	Units	Date	Time	By	Reference
Nitrobenzene	ND	340	ug/Kg	09/21/06		KCA	SW 8270
Pentachlorophenol	ND	340	ug/Kg	09/21/06		KCA	SW 8270
Phenanthrene	ND	340	ug/Kg	09/21/06		KCA	SW 8270
Phenol	ND	340	ug/Kg	09/21/06		KCA	SW 8270
Pyrene	ND	340	ug/Kg	09/21/06		KCA	SW 8270
Pyridine	ND	340	ug/Kg	09/21/06		KCA	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	92		%	09/21/06		KCA	SW 8270
% 2-Fluorobiphenyl	84		%	09/21/06		KCA	SW 8270
% 2-Fluorophenol	76		%	09/21/06		KCA	SW 8270
% Nitrobenzene-d5	81		%	09/21/06		KCA	SW 8270
% Phenol-d5	79		%	09/21/06		KCA	SW 8270
% Terphenyl-d14	78		%	09/21/06		KCA	SW 8270

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Limit RL=Reporting Limit

Phyllis Shiller

Phyllis Shiller, Laboratory Director
December 06, 2006

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH

Analysis Report

December 06, 2006

FOR: Attn: Mr. Jon Simpson
Charter Environmental Inc
72 Jonspin Road
Wilmington, MA 01887

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		09/19/06	12:10
Location Code:	CHARTER	Received by:	LB	09/20/06	17:30
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20331				

SDG I.D.: GAH52948
Phoenix I.D.: AH52949

Laboratory Data

Client ID: WYANDANCH E-5

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.5	0.5	mg/Kg	09/21/06		EKT	SW6010
Arsenic	< 1	1	mg/Kg	09/21/06		EKT	SW6010
Barium	146	0.5	mg/Kg	09/21/06		EK	SW6010
Beryllium	< 0.4	0.4	mg/Kg	09/21/06		EKT	SW6010
Cadmium	< 0.5	0.5	mg/Kg	09/21/06		EKT	SW6010
Chromium	248	5	mg/Kg	09/23/06		EK	SW6010
Copper	90.9	0.5	mg/Kg	09/21/06		EK	SW6010
Mercury - Soil	< 0.10	0.10	mg/kg	09/21/06		RS	SW-7471
Nickel	81.4	0.5	mg/Kg	09/21/06		EKT	SW6010
Lead	9.34	0.5	mg/Kg	09/21/06		EKT	SW6010
Antimony	< 5	5	mg/Kg	09/21/06		EKT	SW6010
Selenium	< 2.5	2.5	mg/Kg	09/21/06		EKT	SW6010
TCLP Silver	< 0.01	0.01	mg/L	09/23/06		EK	E1311/SW6010
TCLP Arsenic	< 0.01	0.01	mg/L	09/23/06		EK	E1311/SW6010
TCLP Barium	3.45	0.01	mg/L	09/23/06		EK	E1311/SW6010
TCLP Cadmium	< 0.005	0.005	mg/L	09/23/06		EK	E1311/SW6010
TCLP Chromium	0.054	0.01	mg/L	09/23/06		EK	E1311/SW6010
TCLP Lead	0.021	0.015	mg/L	09/23/06		EK	SW1311/6010
TCLP Selenium	< 0.05	0.05	mg/L	09/23/06		EK	E1311/SW6010
TCLP Mercury	< 0.001	0.001	mg/L	09/22/06		RS	E1311/E245.1
Thallium	< 2	2	mg/Kg	09/21/06		EKT	SW6010
Vanadium	4.96	0.5	mg/Kg	09/21/06		EK	6010
Zinc	25.5	0.5	mg/Kg	09/21/06		EK	SW6010
Percent Solid	94		%	09/21/06		C/D	E160.3

Client ID: WYANDANCH E-5 Phoenix I.D.: AH52949

Parameter	Result	RL	Units	Date	Time	By	Reference
Chromium, Hexavalent	3.65	0.47	mg/Kg	12/04/06		CL	SW3060/7196
Tot.Org.Carbon	3400	100	mg/kg	09/22/06		JL	EPA Kahn 6/99
Field Extraction	Completed			09/19/06		BP	SW5035
Mercury Digestion	Completed			09/21/06		D	SW7471
Sieve Test	Completed			10/03/06		OL	ASTM
Soil Extraction for PCB	Completed			09/20/06		S/E	SW3545
Soil Ext. for Pesticide	Completed			09/20/06		S/E	3545
Soil Ext. for Semi- Vol	Completed			09/20/06		S/E	SW3545
TCLP Digestion Mercury	Completed			09/22/06		D	E1311/7470
TCLP Herbicides Extraction	Completed			09/21/06		O/E	SW8150 Mod
TCLP Extraction for Metals	Completed			09/20/06		O/D	EPA 1311
TCLP Extraction for Organics	Completed			09/20/06		O	1311
TCLP Pesticides Extraction	Completed			09/21/06		O	SW3510/3520
TCLP Semi-Volatile Extraction	Completed			09/21/06		O/K	SW3510/3520
TCLP Extraction Volatiles.	Completed			09/21/06		D	EPA 1311
Total Metals Digest	Completed			09/20/06		AG	SW846 - 3050
TCLP Metals Digestion	Completed			09/22/06		D	SW846 - 3005
Polychlorinated Biphenyls							
PCB-1016	ND	400	ug/Kg	09/21/06		JH	SW 8082
PCB-1221	ND	400	ug/Kg	09/21/06		JH	SW 8082
PCB-1232	ND	400	ug/Kg	09/21/06		JH	SW 8082
PCB-1242	ND	400	ug/Kg	09/21/06		JH	SW 8082
PCB-1248	ND	400	ug/Kg	09/21/06		JH	SW 8082
PCB-1254	ND	400	ug/Kg	09/21/06		JH	SW 8082
PCB-1260	ND	400	ug/Kg	09/21/06		JH	SW 8082
PCB-1262	ND	400	ug/Kg	09/21/06		JH	SW 8082
PCB-1268	ND	400	ug/Kg	09/21/06		JH	SW 8082
QA/QC Surrogates							
% DCBP (Surrogate Rec)	78		%	09/21/06		JH	SW 8082
% TCMX (Surrogate Rec)	90		%	09/21/06		JH	SW 8082
Pesticides - Soil							
4,4' -DDD	ND	32	ug/Kg	09/21/06		MH	SW8081
4,4' -DDE	ND	32	ug/Kg	09/21/06		MH	SW8081
4,4' -DDT	ND	32	ug/Kg	09/21/06		MH	SW8081
a-BHC	ND	16	ug/Kg	09/21/06		MH	SW8081
Aldrin	ND	7	ug/Kg	09/21/06		MH	SW8081
b-BHC	ND	16	ug/Kg	09/21/06		MH	SW8081
Chlordane	ND	66	ug/Kg	09/21/06		MH	SW8081
d-BHC	ND	16	ug/Kg	09/21/06		MH	SW8081
Dieldrin	ND	7.0	ug/Kg	09/21/06		MH	SW8081
Endosulfan I	ND	16	ug/Kg	09/21/06		MH	SW8081
Endosulfan II	ND	32	ug/Kg	09/21/06		MH	SW8081
Endosulfan sulfate	ND	32	ug/Kg	09/21/06		MH	SW8081

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Parameter	Result	RL	Units	Date	Time	By	Reference
Endrin	ND	32	ug/Kg	09/21/06		MH	SW8081
Endrin aldehyde	ND	32	ug/Kg	09/21/06		MH	SW8081
Endrin ketone	ND	32	ug/Kg	09/21/06		MH	SW8081
g-BHC	ND	16	ug/Kg	09/21/06		MH	SW8081
Heptachlor	ND	13	ug/Kg	09/21/06		MH	SW8081
Heptachlor epoxide	ND	16	ug/Kg	09/21/06		MH	SW8081
Methoxychlor	ND	160	ug/Kg	09/21/06		MH	SW8081
Toxaphene	ND	160	ug/Kg	09/21/06		MH	SW8081
QA/QC Surrogates							
% DCBP (Surrogate Rec)	65		%	09/21/06		MH	SW8081
% TCMX (Surrogate Rec)	75		%	09/21/06		MH	SW8081
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	1.0	ug/L	09/27/06		KCA	SW8151
2,4-D	ND	5.0	ug/L	09/27/06		KCA	SW8151
QA/QC Surrogates							
% DCAA (Surrogate Rec)	64		%	09/27/06		KCA	SW8151
TCLP Pesticides							
4,4' -DDD	ND	0.1	ug/L	09/22/06		MH	SW 8081
4,4' -DDE	ND	0.1	ug/L	09/22/06		MH	SW 8081
4,4' -DDT	ND	0.1	ug/L	09/22/06		MH	SW 8081
a-BHC	ND	0.05	ug/L	09/22/06		MH	SW 8081
Aldrin	ND	0.05	ug/L	09/22/06		MH	SW 8081
b-BHC	ND	0.05	ug/L	09/22/06		MH	SW 8081
Chlordane	ND	0.3	ug/L	09/22/06		MH	SW 8081
d-BHC	ND	0.05	ug/L	09/22/06		MH	SW 8081
Dieldrin	ND	0.1	ug/L	09/22/06		MH	SW 8081
Endosulfan I	ND	0.05	ug/L	09/22/06		MH	SW 8081
Endosulfan II	ND	0.1	ug/L	09/22/06		MH	SW 8081
Endosulfan Sulfate	ND	0.1	ug/L	09/22/06		MH	SW 8081
Endrin	ND	0.1	ug/L	09/22/06		MH	SW 8081
Endrin Aldehyde	ND	0.1	ug/L	09/22/06		MH	SW 8081
g-BHC (Lindane)	ND	0.05	ug/L	09/22/06		MH	SW 8081
Heptachlor	ND	0.05	ug/L	09/22/06		MH	SW 8081
Heptachlor epoxide	ND	0.05	ug/L	09/22/06		MH	SW 8081
Methoxychlor	ND	0.2	ug/L	09/22/06		MH	SW 8081
Toxaphene	ND	1.0	ug/L	09/22/06		MH	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	97		%	09/22/06		MH	SW 8081
%TCMX (Surrogate Rec)	87		%	09/22/06		MH	SW 8081
TCLP Volatiles							
1,1-Dichloroethylene	ND	50	ug/L	09/25/06		RJ	SW 8260

Parameter	Result	RL	Units	Date	Time	By	Reference
1,2-Dichloroethane	ND	50	ug/L	09/25/06		R/J	SW 8260
Benzene	ND	50	ug/L	09/25/06		R/J	SW 8260
Carbon tetrachloride	ND	50	ug/L	09/25/06		R/J	SW 8260
Chlorobenzene	ND	50	ug/L	09/25/06		R/J	SW 8260
Chloroform	ND	50	ug/L	09/25/06		R/J	SW 8260
Methyl ethyl ketone	ND	50	ug/L	09/25/06		R/J	SW 8260
Tetrachloroethene	ND	50	ug/L	09/25/06		R/J	SW 8260
Trichloroethene	ND	50	ug/L	09/25/06		R/J	SW 8260
Vinyl chloride	ND	50	ug/L	09/25/06		R/J	SW 8260
QA/QC Surrogates							
%4-Bromofluorobenzene (Surrogate)	99		%	09/25/06		R/J	SW 8260
Volatiles							
1,1,1,2-Tetrachloroethane	ND	3.6	ug/Kg	09/21/06		RM	SW8260
1,1,1-Trichloroethane	ND	3.6	ug/Kg	09/21/06		RM	SW8260
1,1,2,2-Tetrachloroethane	ND	3.6	ug/Kg	09/21/06		RM	SW8260
1,1,2-Trichloroethane	ND	3.6	ug/Kg	09/21/06		RM	SW8260
1,1-Dichloroethane	ND	3.6	ug/Kg	09/21/06		RM	SW8260
1,1-Dichloroethene	ND	3.6	ug/Kg	09/21/06		RM	SW8260
1,1-Dichloropropene	ND	3.6	ug/Kg	09/21/06		RM	SW8260
1,2,3-Trichlorobenzene	ND	3.6	ug/Kg	09/21/06		RM	SW8260
1,2,3-Trichloropropane	ND	3.6	ug/Kg	09/21/06		RM	SW8260
1,2,4-Trichlorobenzene	ND	3.6	ug/Kg	09/21/06		RM	SW8260
1,2,4-Trimethylbenzene	3.9	3.6	ug/Kg	09/21/06		RM	SW8260
1,2-Dibromo-3-chloropropane	ND	3.6	ug/Kg	09/21/06		RM	SW8260
1,2-Dichlorobenzene	ND	3.6	ug/Kg	09/21/06		RM	SW8260
1,2-Dichloroethane	ND	3.6	ug/Kg	09/21/06		RM	SW8260
1,2-Dichloropropane	ND	3.6	ug/Kg	09/21/06		RM	SW8260
1,3,5-Trimethylbenzene	ND	3.6	ug/Kg	09/21/06		RM	SW8260
1,3-Dichlorobenzene	ND	3.6	ug/Kg	09/21/06		RM	SW8260
1,3-Dichloropropane	ND	3.6	ug/Kg	09/21/06		RM	SW8260
1,4-Dichlorobenzene	ND	3.6	ug/Kg	09/21/06		RM	SW8260
2,2-Dichloropropane	ND	3.6	ug/Kg	09/21/06		RM	SW8260
2-Chlorotoluene	ND	3.6	ug/Kg	09/21/06		RM	SW8260
2-Hexanone	ND	18	ug/Kg	09/21/06		RM	SW8260
2-Isopropyltoluene	ND	3.6	ug/Kg	09/21/06		RM	SW8260
4-Chlorotoluene	ND	3.6	ug/Kg	09/21/06		RM	SW8260
4-Methyl-2-pentanone	ND	18	ug/Kg	09/21/06		RM	SW8260
Acetone	ND	50	ug/Kg	09/21/06		RM	SW8260
Acrylonitrile	ND	7.2	ug/Kg	09/21/06		RM	SW8260
Benzene	ND	3.6	ug/Kg	09/21/06		RM	SW8260
Bromobenzene	ND	3.6	ug/Kg	09/21/06		RM	SW8260
Bromochloromethane	ND	3.6	ug/Kg	09/21/06		RM	SW8260
Bromodichloromethane	ND	3.6	ug/Kg	09/21/06		RM	SW8260

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Parameter	Result	RL	Units	Date	Time	By	Reference
Bromoform	ND	3.6	ug/Kg	09/21/06		RM	SW8260
Bromomethane	ND	3.6	ug/Kg	09/21/06		RM	SW8260
Carbon Disulfide	ND	3.6	ug/Kg	09/21/06		RM	SW8260
Carbon tetrachloride	ND	3.6	ug/Kg	09/21/06		RM	SW8260
Chlorobenzene	ND	3.6	ug/Kg	09/21/06		RM	SW8260
Chloroethane	ND	3.6	ug/Kg	09/21/06		RM	SW8260
Chloroform	ND	3.6	ug/Kg	09/21/06		RM	SW8260
Chloromethane	ND	3.6	ug/Kg	09/21/06		RM	SW8260
cis-1,2-Dichloroethene	ND	3.6	ug/Kg	09/21/06		RM	SW8260
cis-1,3-Dichloropropene	ND	3.6	ug/Kg	09/21/06		RM	SW8260
Dibromochloromethane	ND	3.6	ug/Kg	09/21/06		RM	SW8260
Dibromoethane	ND	3.6	ug/Kg	09/21/06		RM	SW8260
Dibromomethane	ND	3.6	ug/Kg	09/21/06		RM	SW8260
Dichlorodifluoromethane	ND	3.6	ug/Kg	09/21/06		RM	SW8260
Ethylbenzene	ND	3.6	ug/Kg	09/21/06		RM	SW8260
Hexachlorobutadiene	ND	3.6	ug/Kg	09/21/06		RM	SW8260
Isopropylbenzene	ND	3.6	ug/Kg	09/21/06		RM	SW8260
m&p-Xylene	ND	3.6	ug/Kg	09/21/06		RM	SW8260
Methyl Ethyl Ketone	ND	22	ug/Kg	09/21/06		RM	SW8260
Methyl t-butyl ether (MTBE)	ND	7.2	ug/Kg	09/21/06		RM	SW8260
Methylene chloride	ND	3.6	ug/Kg	09/21/06		RM	SW8260
n-Butylbenzene	ND	3.6	ug/Kg	09/21/06		RM	SW8260
n-Propylbenzene	ND	3.6	ug/Kg	09/21/06		RM	SW8260
Naphthalene	ND	3.6	ug/Kg	09/21/06		RM	SW8260
o-Xylene	ND	3.6	ug/Kg	09/21/06		RM	SW8260
p-Isopropyltoluene	ND	3.6	ug/Kg	09/21/06		RM	SW8260
sec-Butylbenzene	ND	3.6	ug/Kg	09/21/06		RM	SW8260
Styrene	ND	3.6	ug/Kg	09/21/06		RM	SW8260
tert-Butylbenzene	ND	3.6	ug/Kg	09/21/06		RM	SW8260
Tetrachloroethene	ND	3.6	ug/Kg	09/21/06		RM	SW8260
Tetrahydrofuran (THF)	ND	7.2	ug/Kg	09/21/06		RM	SW8260
Toluene	ND	3.6	ug/Kg	09/21/06		RM	SW8260
Total Xylenes	ND	3.6	ug/Kg	09/21/06		RM	SW8260
trans-1,2-Dichloroethene	ND	3.6	ug/Kg	09/21/06		RM	SW8260
trans-1,3-Dichloropropene	ND	3.6	ug/Kg	09/21/06		RM	SW8260
trans-1,4-dichloro-2-butene	ND	7.2	ug/Kg	09/21/06		RM	SW8260
Trichloroethene	ND	3.6	ug/Kg	09/21/06		RM	SW8260
Trichlorofluoromethane	ND	3.6	ug/Kg	09/21/06		RM	SW8260
Trichlorotrifluoroethane	ND	3.6	ug/Kg	09/21/06		RM	SW8260
Vinyl chloride	ND	3.6	ug/Kg	09/21/06		RM	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	102		%	09/21/06		RM	SW8260
% Bromofluorobenzene	100		%	09/21/06		RM	SW8260
% Dibromofluoromethane	118		%	09/21/06		RM	SW8260

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Parameter	Result	RL	Units	Date	Time	By	Reference
% Toluene-d8	98		%	09/21/06		RM	SW8260
TCLP Acid/Base-Neutral							
1,4-Dichlorobenzene	ND	100	ug/L	09/22/06		KCA	SW 8270
2,4,5-Trichlorophenol	ND	100	ug/L	09/22/06		KCA	SW 8270
2,4,6-Trichlorophenol	ND	100	ug/L	09/22/06		KCA	SW 8270
2,4-Dinitrotoluene	ND	100	ug/L	09/22/06		KCA	SW 8270
2-Methylphenol (o-cresol)	ND	100	ug/L	09/22/06		KCA	SW 8270
3&4-Methylphenol (m&p-Cresol)	ND	100	ug/L	09/22/06		KCA	SW 8270
Hexachlorobenzene	ND	100	ug/L	09/22/06		KCA	SW 8270
Hexachlorobutadiene	ND	100	ug/L	09/22/06		KCA	SW 8270
Hexachloroethane	ND	100	ug/L	09/22/06		KCA	SW 8270
Nitrobenzene	ND	100	ug/L	09/22/06		KCA	SW 8270
Pentachlorophenol	ND	500	ug/L	09/22/06		KCA	SW 8270
Pyridine	ND	100	ug/L	09/22/06		KCA	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	74		%	09/22/06		KCA	SW 8270
% 2-Fluorobiphenyl	82		%	09/22/06		KCA	SW 8270
% 2-Fluorophenol	78		%	09/22/06		KCA	SW 8270
% Nitrobenzene-d5	92		%	09/22/06		KCA	SW 8270
% Phenol-d5	88		%	09/22/06		KCA	SW 8270
% Terphenyl-d14	86		%	09/22/06		KCA	SW 8270
Semivolatiles							
1,2,4-Trichlorobenzene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
1,2-Dichlorobenzene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
1,2-Diphenylhydrazine	ND	350	ug/Kg	09/21/06		KCA	SW 8270
1,3-Dichlorobenzene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
1,4-Dichlorobenzene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
2,4,5-Trichlorophenol	ND	350	ug/Kg	09/21/06		KCA	SW 8270
2,4,6-Trichlorophenol	ND	350	ug/Kg	09/21/06		KCA	SW 8270
2,4-Dichlorophenol	ND	350	ug/Kg	09/21/06		KCA	SW 8270
2,4-Dimethylphenol	ND	350	ug/Kg	09/21/06		KCA	SW 8270
2,4-Dinitrophenol	ND	1000	ug/Kg	09/21/06		KCA	SW 8270
2,4-Dinitrotoluene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
2,6-Dichlorophenol	ND	350	ug/Kg	09/21/06		KCA	SW 8270
2,6-Dinitrotoluene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
2-Chloronaphthalene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
2-Chlorophenol	ND	350	ug/Kg	09/21/06		KCA	SW 8270
2-Methylnaphthalene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
2-Methylphenol (o-cresol)	ND	350	ug/Kg	09/21/06		KCA	SW 8270
2-Nitroaniline	ND	1000	ug/Kg	09/21/06		KCA	SW 8270
2-Nitrophenol	ND	350	ug/Kg	09/21/06		KCA	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	350	ug/Kg	09/21/06		KCA	SW 8270

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Parameter	Result	RL	Units	Date	Time	By	Reference
3,3'-Dichlorobenzidine	ND	420	ug/Kg	09/21/06		KCA	SW 8270
3-Nitroaniline	ND	1000	ug/Kg	09/21/06		KCA	SW 8270
4,6-Dinitro-2-methylphenol	ND	1000	ug/Kg	09/21/06		KCA	SW 8270
4-Bromophenyl phenyl ether	ND	350	ug/Kg	09/21/06		KCA	SW 8270
4-Chloro-3-methylphenol	ND	420	ug/Kg	09/21/06		KCA	SW 8270
4-Chloroaniline	ND	420	ug/Kg	09/21/06		KCA	SW 8270
4-Chlorophenyl phenyl ether	ND	350	ug/Kg	09/21/06		KCA	SW 8270
4-Nitroaniline	ND	1000	ug/Kg	09/21/06		KCA	SW 8270
4-Nitrophenol	ND	1000	ug/Kg	09/21/06		KCA	SW 8270
Acenaphthene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Acenaphthylene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Anthracene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Benz(a)anthracene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Benzidine	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Benzo(a)pyrene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Benzo(b)fluoranthene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Benzo(ghi)perylene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Benzo(k)fluoranthene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Benzoic acid	ND	1000	ug/Kg	09/21/06		KCA	SW 8270
Benzyl alcohol	ND	420	ug/Kg	09/21/06		KCA	SW 8270
Benzyl butyl phthalate	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Bis(2-chloroethoxy)methane	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Bis(2-chloroethyl)ether	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Bis(2-chloroisopropyl)ether	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Bis(2-ethylhexyl)phthalate	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Chrysene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Di-n-butylphthalate	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Di-n-octylphthalate	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Dibenz(a,h)anthracene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Dibenzofuran	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Diethyl phthalate	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Dimethylphthalate	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Fluoranthene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Fluorene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Hexachlorobenzene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Hexachlorobutadiene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Hexachlorocyclopentadiene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Hexachloroethane	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Indeno(1,2,3-cd)pyrene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Isophorone	ND	350	ug/Kg	09/21/06		KCA	SW 8270
N-Nitrosodi-n-propylamine	ND	350	ug/Kg	09/21/06		KCA	SW 8270
N-Nitrosodimethylamine	ND	350	ug/Kg	09/21/06		KCA	SW 8270
N-Nitrosodiphenylamine	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Naphthalene	ND	350	ug/Kg	09/21/06		KCA	SW 8270

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Parameter	Result	RL	Units	Date	Time	By	Reference
Nitrobenzene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Pentachlorophenol	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Phenanthrene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Phenol	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Pyrene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Pyridine	ND	350	ug/Kg	09/21/06		KCA	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	92		%	09/21/06		KCA	SW 8270
% 2-Fluorobiphenyl	85		%	09/21/06		KCA	SW 8270
% 2-Fluorophenol	78		%	09/21/06		KCA	SW 8270
% Nitrobenzene-d5	82		%	09/21/06		KCA	SW 8270
% Phenol-d5	79		%	09/21/06		KCA	SW 8270
% Terphenyl-d14	80		%	09/21/06		KCA	SW 8270

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Limit RL=Reporting Limit

Phyllis Shiller, Laboratory Director
December 06, 2006

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH

Analysis Report

December 06, 2006

FOR: Attn: Mr. Jon Simpson
Charter Environmental Inc
72 Jonspin Road
Wilmington, MA 01887

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		09/19/06	13:45
Location Code:	CHARTER	Received by:	LB	09/20/06	17:30
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20331				

SDG I.D.: GAH52948
Phoenix I.D.: AH52950

Laboratory Data

Client ID: WYANDANCH S-2

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.5	0.5	mg/Kg	09/21/06		EKT	SW6010
Arsenic	1.58	1	mg/Kg	09/21/06		EKT	SW6010
Barium	32.9	0.5	mg/Kg	09/21/06		EK	SW6010
Beryllium	< 0.4	0.4	mg/Kg	09/21/06		EKT	SW6010
Cadmium	< 0.5	0.5	mg/Kg	09/21/06		EKT	SW6010
Chromium	25.6	0.5	mg/Kg	09/21/06		EKT	SW6010
Copper	12.7	0.5	mg/Kg	09/21/06		EK	SW6010
Mercury - Soil	< 0.10	0.10	mg/kg	09/21/06		RS	SW-7471
Nickel	15.3	0.5	mg/Kg	09/21/06		EKT	SW6010
Lead	3.32	0.5	mg/Kg	09/21/06		EKT	SW6010
Antimony	< 5	5	mg/Kg	09/21/06		EKT	SW6010
Selenium	< 2.5	2.5	mg/Kg	09/21/06		EKT	SW6010
TCLP Silver	< 0.01	0.01	mg/L	09/23/06		EK	E1311/SW6010
TCLP Arsenic	< 0.01	0.01	mg/L	09/23/06		EK	E1311/SW6010
TCLP Barium	2.07	0.01	mg/L	09/23/06		EK	E1311/SW6010
TCLP Cadmium	< 0.005	0.005	mg/L	09/23/06		EK	E1311/SW6010
TCLP Chromium	0.013	0.01	mg/L	09/23/06		EK	E1311/SW6010
TCLP Lead	0.018	0.015	mg/L	09/23/06		EK	SW1311/6010
TCLP Selenium	< 0.05	0.05	mg/L	09/23/06		EK	E1311/SW6010
TCLP Mercury	< 0.001	0.001	mg/L	09/22/06		RS	E1311/E245.1
Thallium	< 2	2	mg/Kg	09/21/06		EKT	SW6010
Vanadium	7.15	0.5	mg/Kg	09/21/06		EK	6010
Zinc	11.9	0.5	mg/Kg	09/21/06		EK	SW6010
Percent Solid	95		%	09/21/06		C/D	E160.3

Client ID: WYANDANCH S-2 Phoenix I.D.: AH52950

Parameter	Result	RL	Units	Date	Time	By	Reference
Chromium, Hexavalent	< 0.47	0.47	mg/Kg	12/04/06		CL	SW3060/7196
Tot.Org.Carbon	935	100	mg/kg	09/29/06		OL	EPA Kahn 6/99
Field Extraction	Completed			09/19/06		BP	SW5035
Mercury Digestion	Completed			09/21/06		D	SW7471
Sieve Test	Completed			10/03/06		OL	ASTM
Soil Extraction for PCB	Completed			09/20/06		S/E	SW3545
Soil Ext. for Pesticide	Completed			09/20/06		S/E	3545
Soil Ext. for Semi- Vol	Completed			09/20/06		S/E	SW3545
TCLP Digestion Mercury	Completed			09/22/06		D	E1311/7470
TCLP Herbicides Extraction	Completed			09/21/06		O/E	SW8150 Mod
TCLP Extraction for Metals	Completed			09/20/06		O/D	EPA 1311
TCLP Extraction for Organics	Completed			09/20/06		O	1311
TCLP Pesticides Extraction	Completed			09/21/06		O	SW3510/3520
TCLP Semi-Volatile Extraction	Completed			09/21/06		O/K	SW3510/3520
TCLP Extraction Volatiles.	Completed			09/21/06		D	EPA 1311
Total Metals Digest	Completed			09/20/06		AG	SW846 - 3050
TCLP Metals Digestion	Completed			09/22/06		D	SW846 - 3005
Polychlorinated Biphenyls							
PCB-1016	ND	400	ug/Kg	09/21/06		JH	SW 8082
PCB-1221	ND	400	ug/Kg	09/21/06		JH	SW 8082
PCB-1232	ND	400	ug/Kg	09/21/06		JH	SW 8082
PCB-1242	ND	400	ug/Kg	09/21/06		JH	SW 8082
PCB-1248	ND	400	ug/Kg	09/21/06		JH	SW 8082
PCB-1254	ND	400	ug/Kg	09/21/06		JH	SW 8082
PCB-1260	ND	400	ug/Kg	09/21/06		JH	SW 8082
PCB-1262	ND	400	ug/Kg	09/21/06		JH	SW 8082
PCB-1268	ND	400	ug/Kg	09/21/06		JH	SW 8082
QA/QC Surrogates							
% DCBP (Surrogate Rec)	70		%	09/21/06		JH	SW 8082
% TCMX (Surrogate Rec)	73		%	09/21/06		JH	SW 8082
Pesticides - Soil							
4,4' -DDD	ND	32	ug/Kg	09/21/06		MH	SW8081
4,4' -DDE	ND	32	ug/Kg	09/21/06		MH	SW8081
4,4' -DDT	ND	32	ug/Kg	09/21/06		MH	SW8081
a-BHC	ND	16	ug/Kg	09/21/06		MH	SW8081
Aldrin	ND	7	ug/Kg	09/21/06		MH	SW8081
b-BHC	ND	16	ug/Kg	09/21/06		MH	SW8081
Chlordane	ND	66	ug/Kg	09/21/06		MH	SW8081
d-BHC	ND	16	ug/Kg	09/21/06		MH	SW8081
Dieldrin	ND	7.0	ug/Kg	09/21/06		MH	SW8081
Endosulfan I	ND	16	ug/Kg	09/21/06		MH	SW8081
Endosulfan II	ND	32	ug/Kg	09/21/06		MH	SW8081
Endosulfan sulfate	ND	32	ug/Kg	09/21/06		MH	SW8081

Client ID: WYANDANCH S-2 Phoenix I.D.: AH52950

Parameter	Result	RL	Units	Date	Time	By	Reference
Endrin	ND	32	ug/Kg	09/21/06		MH	SW8081
Endrin aldehyde	ND	32	ug/Kg	09/21/06		MH	SW8081
Endrin ketone	ND	32	ug/Kg	09/21/06		MH	SW8081
g-BHC	ND	16	ug/Kg	09/21/06		MH	SW8081
Heptachlor	ND	13	ug/Kg	09/21/06		MH	SW8081
Heptachlor epoxide	ND	16	ug/Kg	09/21/06		MH	SW8081
Methoxychlor	ND	160	ug/Kg	09/21/06		MH	SW8081
Toxaphene	ND	160	ug/Kg	09/21/06		MH	SW8081
QA/QC Surrogates							
% DCBP (Surrogate Rec)	54		%	09/21/06		MH	SW8081
% TCMX (Surrogate Rec)	62		%	09/21/06		MH	SW8081
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	1.0	ug/L	09/27/06		KCA	SW8151
2,4-D	ND	5.0	ug/L	09/27/06		KCA	SW8151
QA/QC Surrogates							
% DCAA (Surrogate Rec)	130		%	09/27/06		KCA	SW8151
TCLP Pesticides							
4,4' -DDD	ND	0.1	ug/L	09/22/06		MH	SW 8081
4,4' -DDE	ND	0.1	ug/L	09/22/06		MH	SW 8081
4,4' -DDT	ND	0.1	ug/L	09/22/06		MH	SW 8081
a-BHC	ND	0.05	ug/L	09/22/06		MH	SW 8081
Aldrin	ND	0.05	ug/L	09/22/06		MH	SW 8081
b-BHC	ND	0.05	ug/L	09/22/06		MH	SW 8081
Chlordane	ND	0.3	ug/L	09/22/06		MH	SW 8081
d-BHC	ND	0.05	ug/L	09/22/06		MH	SW 8081
Dieldrin	ND	0.1	ug/L	09/22/06		MH	SW 8081
Endosulfan I	ND	0.05	ug/L	09/22/06		MH	SW 8081
Endosulfan II	ND	0.1	ug/L	09/22/06		MH	SW 8081
Endosulfan Sulfate	ND	0.1	ug/L	09/22/06		MH	SW 8081
Endrin	ND	0.1	ug/L	09/22/06		MH	SW 8081
Endrin Aldehyde	ND	0.1	ug/L	09/22/06		MH	SW 8081
g-BHC (Lindane)	ND	0.05	ug/L	09/22/06		MH	SW 8081
Heptachlor	ND	0.05	ug/L	09/22/06		MH	SW 8081
Heptachlor epoxide	ND	0.05	ug/L	09/22/06		MH	SW 8081
Methoxychlor	ND	0.2	ug/L	09/22/06		MH	SW 8081
Toxaphene	ND	1.0	ug/L	09/22/06		MH	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	99		%	09/22/06		MH	SW 8081
%TCMX (Surrogate Rec)	95		%	09/22/06		MH	SW 8081
TCLP Volatiles							
1,1-Dichloroethylene	ND	50	ug/L	09/25/06		R/J	SW 8260

Client ID: WYANDANCH S-2 Phoenix I.D.: AH52950

Parameter	Result	RL	Units	Date	Time	By	Reference
1,2-Dichloroethane	ND	50	ug/L	09/25/06		R/J	SW 8260
Benzene	ND	50	ug/L	09/25/06		R/J	SW 8260
Carbon tetrachloride	ND	50	ug/L	09/25/06		R/J	SW 8260
Chlorobenzene	ND	50	ug/L	09/25/06		R/J	SW 8260
Chloroform	ND	50	ug/L	09/25/06		R/J	SW 8260
Methyl ethyl ketone	ND	50	ug/L	09/25/06		R/J	SW 8260
Tetrachloroethene	ND	50	ug/L	09/25/06		R/J	SW 8260
Trichloroethene	ND	50	ug/L	09/25/06		R/J	SW 8260
Vinyl chloride	ND	50	ug/L	09/25/06		R/J	SW 8260
QA/QC Surrogates							
%4-Bromofluorobenzene (Surrogate)	98		%	09/25/06		R/J	SW 8260
Volatiles							
1,1,1,2-Tetrachloroethane	ND	2	ug/Kg	09/21/06		RM	SW8260
1,1,1-Trichloroethane	ND	2	ug/Kg	09/21/06		RM	SW8260
1,1,2,2-Tetrachloroethane	ND	2	ug/Kg	09/21/06		RM	SW8260
1,1,2-Trichloroethane	ND	2	ug/Kg	09/21/06		RM	SW8260
1,1-Dichloroethane	ND	2	ug/Kg	09/21/06		RM	SW8260
1,1-Dichloroethene	ND	2	ug/Kg	09/21/06		RM	SW8260
1,1-Dichloropropene	ND	2	ug/Kg	09/21/06		RM	SW8260
1,2,3-Trichlorobenzene	ND	2	ug/Kg	09/21/06		RM	SW8260
1,2,3-Trichloropropane	ND	2	ug/Kg	09/21/06		RM	SW8260
1,2,4-Trichlorobenzene	ND	2	ug/Kg	09/21/06		RM	SW8260
1,2,4-Trimethylbenzene	ND	2	ug/Kg	09/21/06		RM	SW8260
1,2-Dibromo-3-chloropropane	ND	2	ug/Kg	09/21/06		RM	SW8260
1,2-Dichlorobenzene	ND	2	ug/Kg	09/21/06		RM	SW8260
1,2-Dichloroethane	ND	2	ug/Kg	09/21/06		RM	SW8260
1,2-Dichloropropane	ND	2	ug/Kg	09/21/06		RM	SW8260
1,3,5-Trimethylbenzene	ND	2	ug/Kg	09/21/06		RM	SW8260
1,3-Dichlorobenzene	ND	2	ug/Kg	09/21/06		RM	SW8260
1,3-Dichloropropane	ND	2	ug/Kg	09/21/06		RM	SW8260
1,4-Dichlorobenzene	ND	2	ug/Kg	09/21/06		RM	SW8260
2,2-Dichloropropane	ND	2	ug/Kg	09/21/06		RM	SW8260
2-Chlorotoluene	ND	2	ug/Kg	09/21/06		RM	SW8260
2-Hexanone	ND	10	ug/Kg	09/21/06		RM	SW8260
2-Isopropyltoluene	ND	2	ug/Kg	09/21/06		RM	SW8260
4-Chlorotoluene	ND	2	ug/Kg	09/21/06		RM	SW8260
4-Methyl-2-pentanone	ND	10	ug/Kg	09/21/06		RM	SW8260
Acetone	ND	50	ug/Kg	09/21/06		RM	SW8260
Acrylonitrile	ND	4	ug/Kg	09/21/06		RM	SW8260
Benzene	ND	2	ug/Kg	09/21/06		RM	SW8260
Bromobenzene	ND	2	ug/Kg	09/21/06		RM	SW8260
Bromochloromethane	ND	2	ug/Kg	09/21/06		RM	SW8260
Bromodichloromethane	ND	2	ug/Kg	09/21/06		RM	SW8260

Client ID: WYANDANCH S-2 Phoenix I.D.: AH52950

Parameter	Result	RL	Units	Date	Time	By	Reference
Bromoform	ND	2	ug/Kg	09/21/06		RM	SW8260
Bromomethane	ND	2	ug/Kg	09/21/06		RM	SW8260
Carbon Disulfide	ND	2	ug/Kg	09/21/06		RM	SW8260
Carbon tetrachloride	ND	2	ug/Kg	09/21/06		RM	SW8260
Chlorobenzene	ND	2	ug/Kg	09/21/06		RM	SW8260
Chloroethane	ND	2	ug/Kg	09/21/06		RM	SW8260
Chloroform	ND	2	ug/Kg	09/21/06		RM	SW8260
Chloromethane	ND	2	ug/Kg	09/21/06		RM	SW8260
cis-1,2-Dichloroethene	ND	2	ug/Kg	09/21/06		RM	SW8260
cis-1,3-Dichloropropene	ND	2	ug/Kg	09/21/06		RM	SW8260
Dibromochloromethane	ND	2	ug/Kg	09/21/06		RM	SW8260
Dibromoethane	ND	2	ug/Kg	09/21/06		RM	SW8260
Dibromomethane	ND	2	ug/Kg	09/21/06		RM	SW8260
Dichlorodifluoromethane	ND	2	ug/Kg	09/21/06		RM	SW8260
Ethylbenzene	ND	2	ug/Kg	09/21/06		RM	SW8260
Hexachlorobutadiene	ND	2	ug/Kg	09/21/06		RM	SW8260
Isopropylbenzene	ND	2	ug/Kg	09/21/06		RM	SW8260
m&p-Xylene	ND	2	ug/Kg	09/21/06		RM	SW8260
Methyl Ethyl Ketone	ND	12	ug/Kg	09/21/06		RM	SW8260
Methyl t-butyl ether (MTBE)	ND	4	ug/Kg	09/21/06		RM	SW8260
Methylene chloride	ND	2	ug/Kg	09/21/06		RM	SW8260
n-Butylbenzene	ND	2	ug/Kg	09/21/06		RM	SW8260
n-Propylbenzene	ND	2	ug/Kg	09/21/06		RM	SW8260
Naphthalene	ND	2	ug/Kg	09/21/06		RM	SW8260
o-Xylene	ND	2	ug/Kg	09/21/06		RM	SW8260
p-Isopropyltoluene	ND	2	ug/Kg	09/21/06		RM	SW8260
sec-Butylbenzene	ND	2	ug/Kg	09/21/06		RM	SW8260
Styrene	ND	2	ug/Kg	09/21/06		RM	SW8260
tert-Butylbenzene	ND	2	ug/Kg	09/21/06		RM	SW8260
Tetrachloroethene	ND	2	ug/Kg	09/21/06		RM	SW8260
Tetrahydrofuran (THF)	ND	4	ug/Kg	09/21/06		RM	SW8260
Toluene	ND	2	ug/Kg	09/21/06		RM	SW8260
Total Xylenes	ND	2	ug/Kg	09/21/06		RM	SW8260
trans-1,2-Dichloroethene	ND	2	ug/Kg	09/21/06		RM	SW8260
trans-1,3-Dichloropropene	ND	2	ug/Kg	09/21/06		RM	SW8260
trans-1,4-dichloro-2-butene	ND	4	ug/Kg	09/21/06		RM	SW8260
Trichloroethene	ND	2	ug/Kg	09/21/06		RM	SW8260
Trichlorofluoromethane	ND	2	ug/Kg	09/21/06		RM	SW8260
Trichlorotrifluoroethane	ND	2	ug/Kg	09/21/06		RM	SW8260
Vinyl chloride	ND	2	ug/Kg	09/21/06		RM	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	103		%	09/21/06		RM	SW8260
% Bromofluorobenzene	97		%	09/21/06		RM	SW8260
% Dibromofluoromethane	114		%	09/21/06		RM	SW8260

Client ID: WYANDANCH S-2 Phoenix I.D.: AH52950

Parameter	Result	RL	Units	Date	Time	By	Reference
% Toluene-d8	98		%	09/21/06		RM	SW8260
TCLP Acid/Base-Neutral							
1,4-Dichlorobenzene	ND	100	ug/L	09/22/06		KCA	SW 8270
2,4,5-Trichlorophenol	ND	100	ug/L	09/22/06		KCA	SW 8270
2,4,6-Trichlorophenol	ND	100	ug/L	09/22/06		KCA	SW 8270
2,4-Dinitrotoluene	ND	100	ug/L	09/22/06		KCA	SW 8270
2-Methylphenol (o-cresol)	ND	100	ug/L	09/22/06		KCA	SW 8270
3&4-Methylphenol (m&p-Cresol)	ND	100	ug/L	09/22/06		KCA	SW 8270
Hexachlorobenzene	ND	100	ug/L	09/22/06		KCA	SW 8270
Hexachlorobutadiene	ND	100	ug/L	09/22/06		KCA	SW 8270
Hexachloroethane	ND	100	ug/L	09/22/06		KCA	SW 8270
Nitrobenzene	ND	100	ug/L	09/22/06		KCA	SW 8270
Pentachlorophenol	ND	500	ug/L	09/22/06		KCA	SW 8270
Pyridine	ND	100	ug/L	09/22/06		KCA	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	73		%	09/22/06		KCA	SW 8270
% 2-Fluorobiphenyl	84		%	09/22/06		KCA	SW 8270
% 2-Fluorophenol	82		%	09/22/06		KCA	SW 8270
% Nitrobenzene-d5	94		%	09/22/06		KCA	SW 8270
% Phenol-d5	89		%	09/22/06		KCA	SW 8270
% Terphenyl-d14	92		%	09/22/06		KCA	SW 8270
Semivolatiles							
1,2,4-Trichlorobenzene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
1,2-Dichlorobenzene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
1,2-Diphenylhydrazine	ND	350	ug/Kg	09/21/06		KCA	SW 8270
1,3-Dichlorobenzene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
1,4-Dichlorobenzene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
2,4,5-Trichlorophenol	ND	350	ug/Kg	09/21/06		KCA	SW 8270
2,4,6-Trichlorophenol	ND	350	ug/Kg	09/21/06		KCA	SW 8270
2,4-Dichlorophenol	ND	350	ug/Kg	09/21/06		KCA	SW 8270
2,4-Dimethylphenol	ND	350	ug/Kg	09/21/06		KCA	SW 8270
2,4-Dinitrophenol	ND	1000	ug/Kg	09/21/06		KCA	SW 8270
2,4-Dinitrotoluene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
2,6-Dichlorophenol	ND	350	ug/Kg	09/21/06		KCA	SW 8270
2,6-Dinitrotoluene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
2-Chloronaphthalene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
2-Chlorophenol	ND	350	ug/Kg	09/21/06		KCA	SW 8270
2-Methylnaphthalene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
2-Methylphenol (o-cresol)	ND	350	ug/Kg	09/21/06		KCA	SW 8270
2-Nitroaniline	ND	1000	ug/Kg	09/21/06		KCA	SW 8270
2-Nitrophenol	ND	350	ug/Kg	09/21/06		KCA	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	350	ug/Kg	09/21/06		KCA	SW 8270

Client ID: WYANDANCH S-2 Phoenix I.D.: AH52950

Parameter	Result	RL	Units	Date	Time	By	Reference
3,3'-Dichlorobenzidine	ND	420	ug/Kg	09/21/06		KCA	SW 8270
3-Nitroaniline	ND	1000	ug/Kg	09/21/06		KCA	SW 8270
4,6-Dinitro-2-methylphenol	ND	1000	ug/Kg	09/21/06		KCA	SW 8270
4-Bromophenyl phenyl ether	ND	350	ug/Kg	09/21/06		KCA	SW 8270
4-Chloro-3-methylphenol	ND	420	ug/Kg	09/21/06		KCA	SW 8270
4-Chloroaniline	ND	420	ug/Kg	09/21/06		KCA	SW 8270
4-Chlorophenyl phenyl ether	ND	350	ug/Kg	09/21/06		KCA	SW 8270
4-Nitroaniline	ND	1000	ug/Kg	09/21/06		KCA	SW 8270
4-Nitrophenol	ND	1000	ug/Kg	09/21/06		KCA	SW 8270
Acenaphthene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Acenaphthylene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Anthracene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Benz(a)anthracene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Benzidine	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Benzo(a)pyrene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Benzo(b)fluoranthene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Benzo(ghi)perylene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Benzo(k)fluoranthene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Benzoic acid	ND	1000	ug/Kg	09/21/06		KCA	SW 8270
Benzyl alcohol	ND	420	ug/Kg	09/21/06		KCA	SW 8270
Benzyl butyl phthalate	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Bis(2-chloroethoxy)methane	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Bis(2-chloroethyl)ether	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Bis(2-chloroisopropyl)ether	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Bis(2-ethylhexyl)phthalate	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Chrysene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Di-n-butylphthalate	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Di-n-octylphthalate	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Dibenz(a,h)anthracene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Dibenzofuran	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Diethyl phthalate	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Dimethylphthalate	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Fluoranthene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Fluorene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Hexachlorobenzene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Hexachlorobutadiene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Hexachlorocyclopentadiene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Hexachloroethane	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Indeno(1,2,3-cd)pyrene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Isophorone	ND	350	ug/Kg	09/21/06		KCA	SW 8270
N-Nitrosodi-n-propylamine	ND	350	ug/Kg	09/21/06		KCA	SW 8270
N-Nitrosodimethylamine	ND	350	ug/Kg	09/21/06		KCA	SW 8270
N-Nitrosodiphenylamine	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Naphthalene	ND	350	ug/Kg	09/21/06		KCA	SW 8270

Client ID: WYANDANCH S-2 Phoenix I.D.: AH52950

Parameter	Result	RL	Units	Date	Time	By	Reference
Nitrobenzene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Pentachlorophenol	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Phenanthrene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Phenol	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Pyrene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Pyridine	ND	350	ug/Kg	09/21/06		KCA	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	93		%	09/21/06		KCA	SW 8270
% 2-Fluorobiphenyl	88		%	09/21/06		KCA	SW 8270
% 2-Fluorophenol	79		%	09/21/06		KCA	SW 8270
% Nitrobenzene-d5	85		%	09/21/06		KCA	SW 8270
% Phenol-d5	80		%	09/21/06		KCA	SW 8270
% Terphenyl-d14	80		%	09/21/06		KCA	SW 8270

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Limit RL=Reporting Limit

Phyllis Shiller, Laboratory Director
December 06, 2006

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH

Analysis Report

December 06, 2006

FOR: Attn: Mr. Jon Simpson
Charter Environmental Inc
72 Jonspin Road
Wilmington, MA 01887

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		09/19/06	14:15
Location Code:	CHARTER	Received by:	LB	09/20/06	17:30
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20331				

SDG I.D.: GAH52948
Phoenix I.D.: AH52951

Laboratory Data

Client ID: WYANDANCH E-6

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.5	0.5	mg/Kg	09/21/06		EKT	SW6010
Arsenic	1.18	1	mg/Kg	09/21/06		EKT	SW6010
Barium	30	0.5	mg/Kg	09/21/06		EK	SW6010
Beryllium	< 0.4	0.4	mg/Kg	09/21/06		EKT	SW6010
Cadmium	< 0.5	0.5	mg/Kg	09/21/06		EKT	SW6010
Chromium	114	0.5	mg/Kg	09/21/06		EKT	SW6010
Copper	59.6	0.5	mg/Kg	09/21/06		EK	SW6010
Mercury - Soil	< 0.10	0.10	mg/kg	09/21/06		RS	SW-7471
Nickel	130	0.5	mg/Kg	09/21/06		EKT	SW6010
Lead	12.1	0.5	mg/Kg	09/21/06		EKT	SW6010
Antimony	< 5	5	mg/Kg	09/21/06		EKT	SW6010
Selenium	< 2.5	2.5	mg/Kg	09/21/06		EKT	SW6010
TCLP Silver	< 0.01	0.01	mg/L	09/23/06		EK	E1311/SW6010
TCLP Arsenic	< 0.01	0.01	mg/L	09/23/06		EK	E1311/SW6010
TCLP Barium	0.67	0.01	mg/L	09/23/06		EK	E1311/SW6010
TCLP Cadmium	< 0.005	0.005	mg/L	09/23/06		EK	E1311/SW6010
TCLP Chromium	< 0.01	0.01	mg/L	09/23/06		EK	E1311/SW6010
TCLP Lead	0.024	0.015	mg/L	09/23/06		EK	SW1311/6010
TCLP Selenium	< 0.05	0.05	mg/L	09/23/06		EK	E1311/SW6010
TCLP Mercury	< 0.001	0.001	mg/L	09/22/06		RS	E1311/E245.1
Thallium	< 2	2	mg/Kg	09/21/06		EKT	SW6010
Vanadium	6.59	0.5	mg/Kg	09/21/06		EK	6010
Zinc	41.2	0.5	mg/Kg	09/21/06		EK	SW6010
Percent Solid	95		%	09/21/06		C/D	E160.3

Client ID: WYANDANCH E-6 Phoenix I.D.: AH52951

Parameter	Result	RL	Units	Date	Time	By	Reference
Chromium, Hexavalent	< 0.47	0.47	mg/Kg	12/04/06		CL	SW3060/7196
Tot.Org.Carbon	1620	100	mg/kg	09/29/06		OL	EPA Kahn 6/99
Field Extraction	Completed			09/19/06		BP	SW5035
Mercury Digestion	Completed			09/21/06		D	SW7471
Sieve Test	Completed			10/03/06		OL	ASTM
Soil Extraction for PCB	Completed			09/20/06		S/E	SW3545
Soil Ext. for Pesticide	Completed			09/20/06		S/E	3545
Soil Ext. for Semi- Vol	Completed			09/20/06		S/E	SW3545
TCLP Digestion Mercury	Completed			09/22/06		D	E1311/7470
TCLP Herbicides Extraction	Completed			09/21/06		O/E	SW8150 Mod
TCLP Extraction for Metals	Completed			09/20/06		O/D	EPA 1311
TCLP Extraction for Organics	Completed			09/20/06		O	1311
TCLP Pesticides Extraction	Completed			09/21/06		O	SW3510/3520
TCLP Semi-Volatile Extraction	Completed			09/21/06		O/K	SW3510/3520
TCLP Extraction Volatiles.	Completed			09/21/06		D	EPA 1311
Total Metals Digest	Completed			09/20/06		AG	SW846 - 3050
TCLP Metals Digestion	Completed			09/22/06		D	SW846 - 3005
Polychlorinated Biphenyls							
PCB-1016	ND	400	ug/Kg	09/21/06		JH	SW 8082
PCB-1221	ND	400	ug/Kg	09/21/06		JH	SW 8082
PCB-1232	ND	400	ug/Kg	09/21/06		JH	SW 8082
PCB-1242	ND	400	ug/Kg	09/21/06		JH	SW 8082
PCB-1248	ND	400	ug/Kg	09/21/06		JH	SW 8082
PCB-1254	ND	400	ug/Kg	09/21/06		JH	SW 8082
PCB-1260	ND	400	ug/Kg	09/21/06		JH	SW 8082
PCB-1262	ND	400	ug/Kg	09/21/06		JH	SW 8082
PCB-1268	ND	400	ug/Kg	09/21/06		JH	SW 8082
QA/QC Surrogates							
% DCBP (Surrogate Rec)	72		%	09/21/06		JH	SW 8082
% TCMX (Surrogate Rec)	78		%	09/21/06		JH	SW 8082
Pesticides - Soil							
4,4' -DDD	ND	32	ug/Kg	09/21/06		MH	SW8081
4,4' -DDE	ND	32	ug/Kg	09/21/06		MH	SW8081
4,4' -DDT	ND	32	ug/Kg	09/21/06		MH	SW8081
a-BHC	ND	16	ug/Kg	09/21/06		MH	SW8081
Aldrin	ND	7	ug/Kg	09/21/06		MH	SW8081
b-BHC	ND	16	ug/Kg	09/21/06		MH	SW8081
Chlordane	ND	66	ug/Kg	09/21/06		MH	SW8081
d-BHC	ND	16	ug/Kg	09/21/06		MH	SW8081
Dieldrin	ND	7.0	ug/Kg	09/21/06		MH	SW8081
Endosulfan I	ND	16	ug/Kg	09/21/06		MH	SW8081
Endosulfan II	ND	32	ug/Kg	09/21/06		MH	SW8081
Endosulfan sulfate	ND	32	ug/Kg	09/21/06		MH	SW8081

Parameter	Result	RL	Units	Date	Time	By	Reference
Endrin	ND	32	ug/Kg	09/21/06		MH	SW8081
Endrin aldehyde	ND	32	ug/Kg	09/21/06		MH	SW8081
Endrin ketone	ND	32	ug/Kg	09/21/06		MH	SW8081
g-BHC	ND	16	ug/Kg	09/21/06		MH	SW8081
Heptachlor	ND	13	ug/Kg	09/21/06		MH	SW8081
Heptachlor epoxide	ND	16	ug/Kg	09/21/06		MH	SW8081
Methoxychlor	ND	160	ug/Kg	09/21/06		MH	SW8081
Toxaphene	ND	160	ug/Kg	09/21/06		MH	SW8081
QA/QC Surrogates							
% DCBP (Surrogate Rec)	60		%	09/21/06		MH	SW8081
% TCMX (Surrogate Rec)	67		%	09/21/06		MH	SW8081
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	1.0	ug/L	09/27/06		KCA	SW8151
2,4-D	ND	5.0	ug/L	09/27/06		KCA	SW8151
QA/QC Surrogates							
% DCAA (Surrogate Rec)	143		%	09/27/06		KCA	SW8151
TCLP Pesticides							
4,4' -DDD	ND	0.1	ug/L	09/22/06		MH	SW 8081
4,4' -DDE	ND	0.1	ug/L	09/22/06		MH	SW 8081
4,4' -DDT	ND	0.1	ug/L	09/22/06		MH	SW 8081
a-BHC	ND	0.05	ug/L	09/22/06		MH	SW 8081
Aldrin	ND	0.05	ug/L	09/22/06		MH	SW 8081
b-BHC	ND	0.05	ug/L	09/22/06		MH	SW 8081
Chlordane	ND	0.3	ug/L	09/22/06		MH	SW 8081
d-BHC	ND	0.05	ug/L	09/22/06		MH	SW 8081
Dieldrin	ND	0.1	ug/L	09/22/06		MH	SW 8081
Endosulfan I	ND	0.05	ug/L	09/22/06		MH	SW 8081
Endosulfan II	ND	0.1	ug/L	09/22/06		MH	SW 8081
Endosulfan Sulfate	ND	0.1	ug/L	09/22/06		MH	SW 8081
Endrin	ND	0.1	ug/L	09/22/06		MH	SW 8081
Endrin Aldehyde	ND	0.1	ug/L	09/22/06		MH	SW 8081
g-BHC (Lindane)	ND	0.05	ug/L	09/22/06		MH	SW 8081
Heptachlor	ND	0.05	ug/L	09/22/06		MH	SW 8081
Heptachlor epoxide	ND	0.05	ug/L	09/22/06		MH	SW 8081
Methoxychlor	ND	0.2	ug/L	09/22/06		MH	SW 8081
Toxaphene	ND	1.0	ug/L	09/22/06		MH	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	94		%	09/22/06		MH	SW 8081
%TCMX (Surrogate Rec)	90		%	09/22/06		MH	SW 8081
TCLP Volatiles							
1,1-Dichloroethylene	ND	50	ug/L	09/25/06		R/J	SW 8260

Parameter	Result	RL	Units	Date	Time	By	Reference
1,2-Dichloroethane	ND	50	ug/L	09/25/06		R/J	SW 8260
Benzene	ND	50	ug/L	09/25/06		R/J	SW 8260
Carbon tetrachloride	ND	50	ug/L	09/25/06		R/J	SW 8260
Chlorobenzene	ND	50	ug/L	09/25/06		R/J	SW 8260
Chloroform	ND	50	ug/L	09/25/06		R/J	SW 8260
Methyl ethyl ketone	ND	50	ug/L	09/25/06		R/J	SW 8260
Tetrachloroethene	ND	50	ug/L	09/25/06		R/J	SW 8260
Trichloroethene	ND	50	ug/L	09/25/06		R/J	SW 8260
Vinyl chloride	ND	50	ug/L	09/25/06		R/J	SW 8260
QA/QC Surrogates							
%4-Bromofluorobenzene (Surrogate)	98		%	09/25/06		R/J	SW 8260
Volatiles							
1,1,1,2-Tetrachloroethane	ND	2.9	ug/Kg	09/21/06		RM	SW8260
1,1,1-Trichloroethane	ND	2.9	ug/Kg	09/21/06		RM	SW8260
1,1,2,2-Tetrachloroethane	ND	2.9	ug/Kg	09/21/06		RM	SW8260
1,1,2-Trichloroethane	ND	2.9	ug/Kg	09/21/06		RM	SW8260
1,1-Dichloroethane	ND	2.9	ug/Kg	09/21/06		RM	SW8260
1,1-Dichloroethene	ND	2.9	ug/Kg	09/21/06		RM	SW8260
1,1-Dichloropropene	ND	2.9	ug/Kg	09/21/06		RM	SW8260
1,2,3-Trichlorobenzene	ND	2.9	ug/Kg	09/21/06		RM	SW8260
1,2,3-Trichloropropane	ND	2.9	ug/Kg	09/21/06		RM	SW8260
1,2,4-Trichlorobenzene	ND	2.9	ug/Kg	09/21/06		RM	SW8260
1,2,4-Trimethylbenzene	ND	2.9	ug/Kg	09/21/06		RM	SW8260
1,2-Dibromo-3-chloropropane	ND	2.9	ug/Kg	09/21/06		RM	SW8260
1,2-Dichlorobenzene	ND	2.9	ug/Kg	09/21/06		RM	SW8260
1,2-Dichloroethane	ND	2.9	ug/Kg	09/21/06		RM	SW8260
1,2-Dichloropropane	ND	2.9	ug/Kg	09/21/06		RM	SW8260
1,3,5-Trimethylbenzene	ND	2.9	ug/Kg	09/21/06		RM	SW8260
1,3-Dichlorobenzene	ND	2.9	ug/Kg	09/21/06		RM	SW8260
1,3-Dichloropropane	ND	2.9	ug/Kg	09/21/06		RM	SW8260
1,4-Dichlorobenzene	ND	2.9	ug/Kg	09/21/06		RM	SW8260
2,2-Dichloropropane	ND	2.9	ug/Kg	09/21/06		RM	SW8260
2-Chlorotoluene	ND	2.9	ug/Kg	09/21/06		RM	SW8260
2-Hexanone	ND	14	ug/Kg	09/21/06		RM	SW8260
2-Isopropyltoluene	ND	2.9	ug/Kg	09/21/06		RM	SW8260
4-Chlorotoluene	ND	2.9	ug/Kg	09/21/06		RM	SW8260
4-Methyl-2-pentanone	ND	14	ug/Kg	09/21/06		RM	SW8260
Acetone	ND	50	ug/Kg	09/21/06		RM	SW8260
Acrylonitrile	ND	5.7	ug/Kg	09/21/06		RM	SW8260
Benzene	ND	2.9	ug/Kg	09/21/06		RM	SW8260
Bromobenzene	ND	2.9	ug/Kg	09/21/06		RM	SW8260
Bromochloromethane	ND	2.9	ug/Kg	09/21/06		RM	SW8260
Bromodichloromethane	ND	2.9	ug/Kg	09/21/06		RM	SW8260

Client ID: WYANDANCH E-6 Phoenix I.D.: AH52951

Parameter	Result	RL	Units	Date	Time	By	Reference
Bromoform	ND	2.9	ug/Kg	09/21/06		RM	SW8260
Bromomethane	ND	2.9	ug/Kg	09/21/06		RM	SW8260
Carbon Disulfide	ND	2.9	ug/Kg	09/21/06		RM	SW8260
Carbon tetrachloride	ND	2.9	ug/Kg	09/21/06		RM	SW8260
Chlorobenzene	ND	2.9	ug/Kg	09/21/06		RM	SW8260
Chloroethane	ND	2.9	ug/Kg	09/21/06		RM	SW8260
Chloroform	ND	2.9	ug/Kg	09/21/06		RM	SW8260
Chloromethane	ND	2.9	ug/Kg	09/21/06		RM	SW8260
cis-1,2-Dichloroethene	ND	2.9	ug/Kg	09/21/06		RM	SW8260
cis-1,3-Dichloropropene	ND	2.9	ug/Kg	09/21/06		RM	SW8260
Dibromochloromethane	ND	2.9	ug/Kg	09/21/06		RM	SW8260
Dibromoethane	ND	2.9	ug/Kg	09/21/06		RM	SW8260
Dibromomethane	ND	2.9	ug/Kg	09/21/06		RM	SW8260
Dichlorodifluoromethane	ND	2.9	ug/Kg	09/21/06		RM	SW8260
Ethylbenzene	ND	2.9	ug/Kg	09/21/06		RM	SW8260
Hexachlorobutadiene	ND	2.9	ug/Kg	09/21/06		RM	SW8260
Isopropylbenzene	ND	2.9	ug/Kg	09/21/06		RM	SW8260
m&p-Xylene	ND	2.9	ug/Kg	09/21/06		RM	SW8260
Methyl Ethyl Ketone	ND	17	ug/Kg	09/21/06		RM	SW8260
Methyl t-butyl ether (MTBE)	ND	5.7	ug/Kg	09/21/06		RM	SW8260
Methylene chloride	ND	2.9	ug/Kg	09/21/06		RM	SW8260
n-Butylbenzene	ND	2.9	ug/Kg	09/21/06		RM	SW8260
n-Propylbenzene	ND	2.9	ug/Kg	09/21/06		RM	SW8260
Naphthalene	ND	2.9	ug/Kg	09/21/06		RM	SW8260
o-Xylene	ND	2.9	ug/Kg	09/21/06		RM	SW8260
p-Isopropyltoluene	ND	2.9	ug/Kg	09/21/06		RM	SW8260
sec-Butylbenzene	ND	2.9	ug/Kg	09/21/06		RM	SW8260
Styrene	ND	2.9	ug/Kg	09/21/06		RM	SW8260
tert-Butylbenzene	ND	2.9	ug/Kg	09/21/06		RM	SW8260
Tetrachloroethene	ND	2.9	ug/Kg	09/21/06		RM	SW8260
Tetrahydrofuran (THF)	ND	5.7	ug/Kg	09/21/06		RM	SW8260
Toluene	ND	2.9	ug/Kg	09/21/06		RM	SW8260
Total Xylenes	ND	2.9	ug/Kg	09/21/06		RM	SW8260
trans-1,2-Dichloroethene	ND	2.9	ug/Kg	09/21/06		RM	SW8260
trans-1,3-Dichloropropene	ND	2.9	ug/Kg	09/21/06		RM	SW8260
trans-1,4-dichloro-2-butene	ND	5.7	ug/Kg	09/21/06		RM	SW8260
Trichloroethene	ND	2.9	ug/Kg	09/21/06		RM	SW8260
Trichlorofluoromethane	ND	2.9	ug/Kg	09/21/06		RM	SW8260
Trichlorotrifluoroethane	ND	2.9	ug/Kg	09/21/06		RM	SW8260
Vinyl chloride	ND	2.9	ug/Kg	09/21/06		RM	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	104		%	09/21/06		RM	SW8260
% Bromofluorobenzene	101		%	09/21/06		RM	SW8260
% Dibromofluoromethane	119		%	09/21/06		RM	SW8260

Client ID: WYANDANCH E-6 Phoenix I.D.: AH52951

Parameter	Result	RL	Units	Date	Time	By	Reference
% Toluene-d8	96		%	09/21/06		RM	SW8260
TCLP Acid/Base-Neutral							
1,4-Dichlorobenzene	ND	100	ug/L	09/22/06		KCA	SW 8270
2,4,5-Trichlorophenol	ND	100	ug/L	09/22/06		KCA	SW 8270
2,4,6-Trichlorophenol	ND	100	ug/L	09/22/06		KCA	SW 8270
2,4-Dinitrotoluene	ND	100	ug/L	09/22/06		KCA	SW 8270
2-Methylphenol (o-cresol)	ND	100	ug/L	09/22/06		KCA	SW 8270
3&4-Methylphenol (m&p-Cresol)	ND	100	ug/L	09/22/06		KCA	SW 8270
Hexachlorobenzene	ND	100	ug/L	09/22/06		KCA	SW 8270
Hexachlorobutadiene	ND	100	ug/L	09/22/06		KCA	SW 8270
Hexachloroethane	ND	100	ug/L	09/22/06		KCA	SW 8270
Nitrobenzene	ND	100	ug/L	09/22/06		KCA	SW 8270
Pentachlorophenol	ND	500	ug/L	09/22/06		KCA	SW 8270
Pyridine	ND	100	ug/L	09/22/06		KCA	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	68		%	09/22/06		KCA	SW 8270
% 2-Fluorobiphenyl	77		%	09/22/06		KCA	SW 8270
% 2-Fluorophenol	72		%	09/22/06		KCA	SW 8270
% Nitrobenzene-d5	88		%	09/22/06		KCA	SW 8270
% Phenol-d5	79		%	09/22/06		KCA	SW 8270
% Terphenyl-d14	85		%	09/22/06		KCA	SW 8270
Semivolatiles							
1,2,4-Trichlorobenzene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
1,2-Dichlorobenzene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
1,2-Diphenylhydrazine	ND	350	ug/Kg	09/21/06		KCA	SW 8270
1,3-Dichlorobenzene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
1,4-Dichlorobenzene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
2,4,5-Trichlorophenol	ND	350	ug/Kg	09/21/06		KCA	SW 8270
2,4,6-Trichlorophenol	ND	350	ug/Kg	09/21/06		KCA	SW 8270
2,4-Dichlorophenol	ND	350	ug/Kg	09/21/06		KCA	SW 8270
2,4-Dimethylphenol	ND	350	ug/Kg	09/21/06		KCA	SW 8270
2,4-Dinitrophenol	ND	1000	ug/Kg	09/21/06		KCA	SW 8270
2,4-Dinitrotoluene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
2,6-Dichlorophenol	ND	350	ug/Kg	09/21/06		KCA	SW 8270
2,6-Dinitrotoluene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
2-Chloronaphthalene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
2-Chlorophenol	ND	350	ug/Kg	09/21/06		KCA	SW 8270
2-Methylnaphthalene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
2-Methylphenol (o-cresol)	ND	350	ug/Kg	09/21/06		KCA	SW 8270
2-Nitroaniline	ND	1000	ug/Kg	09/21/06		KCA	SW 8270
2-Nitrophenol	ND	350	ug/Kg	09/21/06		KCA	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	350	ug/Kg	09/21/06		KCA	SW 8270

Client ID: WYANDANCH E-6 Phoenix I.D.: AH52951

Parameter	Result	RL	Units	Date	Time	By	Reference
3,3'-Dichlorobenzidine	ND	420	ug/Kg	09/21/06		KCA	SW 8270
3-Nitroaniline	ND	1000	ug/Kg	09/21/06		KCA	SW 8270
4,6-Dinitro-2-methylphenol	ND	1000	ug/Kg	09/21/06		KCA	SW 8270
4-Bromophenyl phenyl ether	ND	350	ug/Kg	09/21/06		KCA	SW 8270
4-Chloro-3-methylphenol	ND	420	ug/Kg	09/21/06		KCA	SW 8270
4-Chloroaniline	ND	420	ug/Kg	09/21/06		KCA	SW 8270
4-Chlorophenyl phenyl ether	ND	350	ug/Kg	09/21/06		KCA	SW 8270
4-Nitroaniline	ND	1000	ug/Kg	09/21/06		KCA	SW 8270
4-Nitrophenol	ND	1000	ug/Kg	09/21/06		KCA	SW 8270
Acenaphthene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Acenaphthylene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Anthracene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Benz(a)anthracene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Benzidine	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Benzo(a)pyrene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Benzo(b)fluoranthene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Benzo(ghi)perylene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Benzo(k)fluoranthene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Benzoic acid	ND	1000	ug/Kg	09/21/06		KCA	SW 8270
Benzyl alcohol	ND	420	ug/Kg	09/21/06		KCA	SW 8270
Benzyl butyl phthalate	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Bis(2-chloroethoxy)methane	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Bis(2-chloroethyl)ether	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Bis(2-chloroisopropyl)ether	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Bis(2-ethylhexyl)phthalate	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Chrysene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Di-n-butylphthalate	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Di-n-octylphthalate	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Dibenz(a,h)anthracene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Dibenzofuran	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Diethyl phthalate	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Dimethylphthalate	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Fluoranthene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Fluorene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Hexachlorobenzene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Hexachlorobutadiene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Hexachlorocyclopentadiene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Hexachloroethane	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Indeno(1,2,3-cd)pyrene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Isophorone	ND	350	ug/Kg	09/21/06		KCA	SW 8270
N-Nitrosodi-n-propylamine	ND	350	ug/Kg	09/21/06		KCA	SW 8270
N-Nitrosodimethylamine	ND	350	ug/Kg	09/21/06		KCA	SW 8270
N-Nitrosodiphenylamine	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Naphthalene	ND	350	ug/Kg	09/21/06		KCA	SW 8270

Client ID: WYANDANCH E-6 Phoenix I.D.: AH52951

Parameter	Result	RL	Units	Date	Time	By	Reference
Nitrobenzene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Pentachlorophenol	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Phenanthrene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Phenol	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Pyrene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Pyridine	ND	350	ug/Kg	09/21/06		KCA	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	88		%	09/21/06		KCA	SW 8270
% 2-Fluorobiphenyl	87		%	09/21/06		KCA	SW 8270
% 2-Fluorophenol	76		%	09/21/06		KCA	SW 8270
% Nitrobenzene-d5	82		%	09/21/06		KCA	SW 8270
% Phenol-d5	79		%	09/21/06		KCA	SW 8270
% Terphenyl-d14	76		%	09/21/06		KCA	SW 8270

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Limit RL=Reporting Limit

Phyllis Shiller, Laboratory Director
December 06, 2006

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH

Analysis Report

December 06, 2006

FOR: Attn: Mr. Jon Simpson
Charter Environmental Inc
72 Jonspin Road
Wilmington, MA 01887

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		09/19/06	15:36
Location Code:	CHARTER	Received by:	LB	09/20/06	17:30
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20331				

SDG I.D.: GAH52948
Phoenix I.D.: AH52952

Laboratory Data

Client ID: WYANDANCH E-10

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.5	0.5	mg/Kg	09/21/06		EKT	SW6010
Arsenic	< 1	1	mg/Kg	09/21/06		EKT	SW6010
Barium	282	0.5	mg/Kg	09/21/06		EK	SW6010
Beryllium	< 0.4	0.4	mg/Kg	09/21/06		EKT	SW6010
Cadmium	< 0.5	0.5	mg/Kg	09/21/06		EKT	SW6010
Chromium	578	5	mg/Kg	09/23/06		EK	SW6010
Copper	122	0.5	mg/Kg	09/21/06		EK	SW6010
Mercury - Soil	< 0.10	0.10	mg/kg	09/21/06		RS	SW-7471
Nickel	261	5	mg/Kg	09/23/06		EK	SW6010
Lead	28.6	0.5	mg/Kg	09/21/06		EKT	SW6010
Antimony	< 5	5	mg/Kg	09/21/06		EKT	SW6010
Selenium	< 2.5	2.5	mg/Kg	09/21/06		EKT	SW6010
TCLP Silver	< 0.01	0.01	mg/L	09/23/06		EK	E1311/SW6010
TCLP Arsenic	< 0.01	0.01	mg/L	09/23/06		EK	E1311/SW6010
TCLP Barium	1.79	0.01	mg/L	09/23/06		EK	E1311/SW6010
TCLP Cadmium	< 0.005	0.005	mg/L	09/23/06		EK	E1311/SW6010
TCLP Chromium	0.153	0.01	mg/L	09/23/06		EK	E1311/SW6010
TCLP Lead	0.084	0.015	mg/L	09/23/06		EK	SW1311/6010
TCLP Selenium	< 0.05	0.05	mg/L	09/23/06		EK	E1311/SW6010
TCLP Mercury	< 0.001	0.001	mg/L	09/22/06		RS	E1311/E245.1
Thallium	< 2	2	mg/Kg	09/21/06		EKT	SW6010
Vanadium	4.81	0.5	mg/Kg	09/21/06		EK	6010
Zinc	61.8	0.5	mg/Kg	09/21/06		EK	SW6010
Percent Solid	95		%	09/21/06		C/D	E160.3

Parameter	Result	RL	Units	Date	Time	By	Reference
Chromium, Hexavalent	6.09	0.47	mg/Kg	12/04/06		CL	SW3060/7196
Tot.Org.Carbon	1440	100	mg/kg	09/29/06		OL	EPA Kahn 6/99
Field Extraction	Completed			09/19/06		BP	SW5035
Mercury Digestion	Completed			09/21/06		D	SW7471
Sieve Test	Completed			10/03/06		OL	ASTM
Soil Extraction for PCB	Completed			09/20/06		S/E	SW3545
Soil Ext. for Pesticide	Completed			09/20/06		S/E	3545
Soil Ext. for Semi- Vol	Completed			09/20/06		S/E	SW3545
TCLP Digestion Mercury	Completed			09/22/06		D	E1311/7470
TCLP Herbicides Extraction	Completed			09/21/06		O/E	SW8150 Mod
TCLP Extraction for Metals	Completed			09/20/06		O/D	EPA 1311
TCLP Extraction for Organics	Completed			09/20/06		O	1311
TCLP Pesticides Extraction	Completed			09/21/06		O	SW3510/3520
TCLP Semi-Volatile Extraction	Completed			09/21/06		O/K	SW3510/3520
TCLP Extraction Volatiles.	Completed			09/21/06		D	EPA 1311
Total Metals Digest	Completed			09/20/06		AG	SW846 - 3050
TCLP Metals Digestion	Completed			09/22/06		D	SW846 - 3005
Polychlorinated Biphenyls							
PCB-1016	ND	400	ug/Kg	09/21/06		JH	SW 8082
PCB-1221	ND	400	ug/Kg	09/21/06		JH	SW 8082
PCB-1232	ND	400	ug/Kg	09/21/06		JH	SW 8082
PCB-1242	ND	400	ug/Kg	09/21/06		JH	SW 8082
PCB-1248	ND	400	ug/Kg	09/21/06		JH	SW 8082
PCB-1254	ND	400	ug/Kg	09/21/06		JH	SW 8082
PCB-1260	ND	400	ug/Kg	09/21/06		JH	SW 8082
PCB-1262	ND	400	ug/Kg	09/21/06		JH	SW 8082
PCB-1268	ND	400	ug/Kg	09/21/06		JH	SW 8082
QA/QC Surrogates							
% DCBP (Surrogate Rec)	76		%	09/21/06		JH	SW 8082
% TCMX (Surrogate Rec)	82		%	09/21/06		JH	SW 8082
Pesticides - Soil							
4,4' -DDD	ND	32	ug/Kg	09/21/06		MH	SW8081
4,4' -DDE	ND	32	ug/Kg	09/21/06		MH	SW8081
4,4' -DDT	ND	32	ug/Kg	09/21/06		MH	SW8081
a-BHC	ND	16	ug/Kg	09/21/06		MH	SW8081
Aldrin	ND	7	ug/Kg	09/21/06		MH	SW8081
b-BHC	ND	16	ug/Kg	09/21/06		MH	SW8081
Chlordane	ND	66	ug/Kg	09/21/06		MH	SW8081
d-BHC	ND	16	ug/Kg	09/21/06		MH	SW8081
Dieldrin	ND	7.0	ug/Kg	09/21/06		MH	SW8081
Endosulfan I	ND	16	ug/Kg	09/21/06		MH	SW8081
Endosulfan II	ND	32	ug/Kg	09/21/06		MH	SW8081
Endosulfan sulfate	ND	32	ug/Kg	09/21/06		MH	SW8081

Client ID: WYANDANCH E-10 Phoenix I.D.: AH52952

Parameter	Result	RL	Units	Date	Time	By	Reference
Endrin	ND	32	ug/Kg	09/21/06		MH	SW8081
Endrin aldehyde	ND	32	ug/Kg	09/21/06		MH	SW8081
Endrin ketone	ND	32	ug/Kg	09/21/06		MH	SW8081
g-BHC	ND	16	ug/Kg	09/21/06		MH	SW8081
Heptachlor	ND	13	ug/Kg	09/21/06		MH	SW8081
Heptachlor epoxide	ND	16	ug/Kg	09/21/06		MH	SW8081
Methoxychlor	ND	160	ug/Kg	09/21/06		MH	SW8081
Toxaphene	ND	160	ug/Kg	09/21/06		MH	SW8081
QA/QC Surrogates							
% DCBP (Surrogate Rec)	69		%	09/21/06		MH	SW8081
% TCMX (Surrogate Rec)	68		%	09/21/06		MH	SW8081
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	1.0	ug/L	09/27/06		KCA	SW8151
2,4-D	ND	5.0	ug/L	09/27/06		KCA	SW8151
QA/QC Surrogates							
% DCAA (Surrogate Rec)	122		%	09/27/06		KCA	SW8151
TCLP Pesticides							
4,4'-DDD	ND	0.1	ug/L	09/22/06		MH	SW 8081
4,4'-DDE	ND	0.1	ug/L	09/22/06		MH	SW 8081
4,4'-DDT	ND	0.1	ug/L	09/22/06		MH	SW 8081
a-BHC	ND	0.05	ug/L	09/22/06		MH	SW 8081
Aldrin	ND	0.05	ug/L	09/22/06		MH	SW 8081
b-BHC	ND	0.05	ug/L	09/22/06		MH	SW 8081
Chlordane	ND	0.3	ug/L	09/22/06		MH	SW 8081
d-BHC	ND	0.05	ug/L	09/22/06		MH	SW 8081
Dieldrin	ND	0.1	ug/L	09/22/06		MH	SW 8081
Endosulfan I	ND	0.05	ug/L	09/22/06		MH	SW 8081
Endosulfan II	ND	0.1	ug/L	09/22/06		MH	SW 8081
Endosulfan Sulfate	ND	0.1	ug/L	09/22/06		MH	SW 8081
Endrin	ND	0.1	ug/L	09/22/06		MH	SW 8081
Endrin Aldehyde	ND	0.1	ug/L	09/22/06		MH	SW 8081
g-BHC (Lindane)	ND	0.05	ug/L	09/22/06		MH	SW 8081
Heptachlor	ND	0.05	ug/L	09/22/06		MH	SW 8081
Heptachlor epoxide	ND	0.05	ug/L	09/22/06		MH	SW 8081
Methoxychlor	ND	0.2	ug/L	09/22/06		MH	SW 8081
Toxaphene	ND	1.0	ug/L	09/22/06		MH	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	99		%	09/22/06		MH	SW 8081
%TCMX (Surrogate Rec)	95		%	09/22/06		MH	SW 8081
TCLP Volatiles							
1,1-Dichloroethylene	ND	50	ug/L	09/25/06		R/J	SW 8260

Client ID: WYANDANCH E-10 Phoenix I.D.: AH52952

Parameter	Result	RL	Units	Date	Time	By	Reference
1,2-Dichloroethane	ND	50	ug/L	09/25/06		R/J	SW 8260
Benzene	ND	50	ug/L	09/25/06		R/J	SW 8260
Carbon tetrachloride	ND	50	ug/L	09/25/06		R/J	SW 8260
Chlorobenzene	ND	50	ug/L	09/25/06		R/J	SW 8260
Chloroform	ND	50	ug/L	09/25/06		R/J	SW 8260
Methyl ethyl ketone	ND	50	ug/L	09/25/06		R/J	SW 8260
Tetrachloroethene	ND	50	ug/L	09/25/06		R/J	SW 8260
Trichloroethene	ND	50	ug/L	09/25/06		R/J	SW 8260
Vinyl chloride	ND	50	ug/L	09/25/06		R/J	SW 8260
QA/QC Surrogates							
%4-Bromofluorobenzene (Surrogate)	99		%	09/25/06		R/J	SW 8260
Volatiles							
1,1,1,2-Tetrachloroethane	ND	3.3	ug/Kg	09/21/06		RM	SW8260
1,1,1-Trichloroethane	ND	3.3	ug/Kg	09/21/06		RM	SW8260
1,1,2,2-Tetrachloroethane	ND	3.3	ug/Kg	09/21/06		RM	SW8260
1,1,2-Trichloroethane	ND	3.3	ug/Kg	09/21/06		RM	SW8260
1,1-Dichloroethane	ND	3.3	ug/Kg	09/21/06		RM	SW8260
1,1-Dichloroethene	ND	3.3	ug/Kg	09/21/06		RM	SW8260
1,1-Dichloropropene	ND	3.3	ug/Kg	09/21/06		RM	SW8260
1,2,3-Trichlorobenzene	ND	3.3	ug/Kg	09/21/06		RM	SW8260
1,2,3-Trichloropropane	ND	3.3	ug/Kg	09/21/06		RM	SW8260
1,2,4-Trichlorobenzene	ND	3.3	ug/Kg	09/21/06		RM	SW8260
1,2,4-Trimethylbenzene	ND	3.3	ug/Kg	09/21/06		RM	SW8260
1,2-Dibromo-3-chloropropane	ND	3.3	ug/Kg	09/21/06		RM	SW8260
1,2-Dichlorobenzene	ND	3.3	ug/Kg	09/21/06		RM	SW8260
1,2-Dichloroethane	ND	3.3	ug/Kg	09/21/06		RM	SW8260
1,2-Dichloropropane	ND	3.3	ug/Kg	09/21/06		RM	SW8260
1,3,5-Trimethylbenzene	ND	3.3	ug/Kg	09/21/06		RM	SW8260
1,3-Dichlorobenzene	ND	3.3	ug/Kg	09/21/06		RM	SW8260
1,3-Dichloropropane	ND	3.3	ug/Kg	09/21/06		RM	SW8260
1,4-Dichlorobenzene	ND	3.3	ug/Kg	09/21/06		RM	SW8260
2,2-Dichloropropane	ND	3.3	ug/Kg	09/21/06		RM	SW8260
2-Chlorotoluene	ND	3.3	ug/Kg	09/21/06		RM	SW8260
2-Hexanone	ND	17	ug/Kg	09/21/06		RM	SW8260
2-Isopropyltoluene	ND	3.3	ug/Kg	09/21/06		RM	SW8260
4-Chlorotoluene	ND	3.3	ug/Kg	09/21/06		RM	SW8260
4-Methyl-2-pentanone	ND	17	ug/Kg	09/21/06		RM	SW8260
Acetone	ND	50	ug/Kg	09/21/06		RM	SW8260
Acrylonitrile	ND	6.6	ug/Kg	09/21/06		RM	SW8260
Benzene	ND	3.3	ug/Kg	09/21/06		RM	SW8260
Bromobenzene	ND	3.3	ug/Kg	09/21/06		RM	SW8260
Bromochloromethane	ND	3.3	ug/Kg	09/21/06		RM	SW8260
Bromodichloromethane	ND	3.3	ug/Kg	09/21/06		RM	SW8260

Client ID: WYANDANCH E-10 Phoenix I.D.: AH52952

Parameter	Result	RL	Units	Date	Time	By	Reference
Bromoform	ND	3.3	ug/Kg	09/21/06		RM	SW8260
Bromomethane	ND	3.3	ug/Kg	09/21/06		RM	SW8260
Carbon Disulfide	ND	3.3	ug/Kg	09/21/06		RM	SW8260
Carbon tetrachloride	ND	3.3	ug/Kg	09/21/06		RM	SW8260
Chlorobenzene	ND	3.3	ug/Kg	09/21/06		RM	SW8260
Chloroethane	ND	3.3	ug/Kg	09/21/06		RM	SW8260
Chloroform	ND	3.3	ug/Kg	09/21/06		RM	SW8260
Chloromethane	ND	3.3	ug/Kg	09/21/06		RM	SW8260
cis-1,2-Dichloroethene	ND	3.3	ug/Kg	09/21/06		RM	SW8260
cis-1,3-Dichloropropene	ND	3.3	ug/Kg	09/21/06		RM	SW8260
Dibromochloromethane	ND	3.3	ug/Kg	09/21/06		RM	SW8260
Dibromoethane	ND	3.3	ug/Kg	09/21/06		RM	SW8260
Dibromomethane	ND	3.3	ug/Kg	09/21/06		RM	SW8260
Dichlorodifluoromethane	ND	3.3	ug/Kg	09/21/06		RM	SW8260
Ethylbenzene	ND	3.3	ug/Kg	09/21/06		RM	SW8260
Hexachlorobutadiene	ND	3.3	ug/Kg	09/21/06		RM	SW8260
Isopropylbenzene	ND	3.3	ug/Kg	09/21/06		RM	SW8260
m&p-Xylene	ND	3.3	ug/Kg	09/21/06		RM	SW8260
Methyl Ethyl Ketone	ND	20	ug/Kg	09/21/06		RM	SW8260
Methyl t-butyl ether (MTBE)	ND	6.6	ug/Kg	09/21/06		RM	SW8260
Methylene chloride	ND	3.3	ug/Kg	09/21/06		RM	SW8260
n-Butylbenzene	ND	3.3	ug/Kg	09/21/06		RM	SW8260
n-Propylbenzene	ND	3.3	ug/Kg	09/21/06		RM	SW8260
Naphthalene	ND	3.3	ug/Kg	09/21/06		RM	SW8260
o-Xylene	ND	3.3	ug/Kg	09/21/06		RM	SW8260
p-Isopropyltoluene	ND	3.3	ug/Kg	09/21/06		RM	SW8260
sec-Butylbenzene	ND	3.3	ug/Kg	09/21/06		RM	SW8260
Styrene	ND	3.3	ug/Kg	09/21/06		RM	SW8260
tert-Butylbenzene	ND	3.3	ug/Kg	09/21/06		RM	SW8260
Tetrachloroethene	ND	3.3	ug/Kg	09/21/06		RM	SW8260
Tetrahydrofuran (THF)	ND	6.6	ug/Kg	09/21/06		RM	SW8260
Toluene	ND	3.3	ug/Kg	09/21/06		RM	SW8260
Total Xylenes	ND	3.3	ug/Kg	09/21/06		RM	SW8260
trans-1,2-Dichloroethene	ND	3.3	ug/Kg	09/21/06		RM	SW8260
trans-1,3-Dichloropropene	ND	3.3	ug/Kg	09/21/06		RM	SW8260
trans-1,4-dichloro-2-butene	ND	6.6	ug/Kg	09/21/06		RM	SW8260
Trichloroethene	ND	3.3	ug/Kg	09/21/06		RM	SW8260
Trichlorofluoromethane	ND	3.3	ug/Kg	09/21/06		RM	SW8260
Trichlorotrifluoroethane	ND	3.3	ug/Kg	09/21/06		RM	SW8260
Vinyl chloride	ND	3.3	ug/Kg	09/21/06		RM	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	105		%	09/21/06		RM	SW8260
% Bromofluorobenzene	100		%	09/21/06		RM	SW8260
% Dibromofluoromethane	110		%	09/21/06		RM	SW8260

Parameter	Result	RL	Units	Date	Time	By	Reference
% Toluene-d8	96		%	09/21/06		RM	SW8260
TCLP Acid/Base-Neutral							
1,4-Dichlorobenzene	ND	100	ug/L	09/22/06		KCA	SW 8270
2,4,5-Trichlorophenol	ND	100	ug/L	09/22/06		KCA	SW 8270
2,4,6-Trichlorophenol	ND	100	ug/L	09/22/06		KCA	SW 8270
2,4-Dinitrotoluene	ND	100	ug/L	09/22/06		KCA	SW 8270
2-Methylphenol (o-cresol)	ND	100	ug/L	09/22/06		KCA	SW 8270
3&4-Methylphenol (m&p-Cresol)	ND	100	ug/L	09/22/06		KCA	SW 8270
Hexachlorobenzene	ND	100	ug/L	09/22/06		KCA	SW 8270
Hexachlorobutadiene	ND	100	ug/L	09/22/06		KCA	SW 8270
Hexachloroethane	ND	100	ug/L	09/22/06		KCA	SW 8270
Nitrobenzene	ND	100	ug/L	09/22/06		KCA	SW 8270
Pentachlorophenol	ND	500	ug/L	09/22/06		KCA	SW 8270
Pyridine	ND	100	ug/L	09/22/06		KCA	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	75		%	09/22/06		KCA	SW 8270
% 2-Fluorobiphenyl	86		%	09/22/06		KCA	SW 8270
% 2-Fluorophenol	82		%	09/22/06		KCA	SW 8270
% Nitrobenzene-d5	99		%	09/22/06		KCA	SW 8270
% Phenol-d5	90		%	09/22/06		KCA	SW 8270
% Terphenyl-d14	92		%	09/22/06		KCA	SW 8270
Semivolatiles							
1,2,4-Trichlorobenzene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
1,2-Dichlorobenzene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
1,2-Diphenylhydrazine	ND	350	ug/Kg	09/21/06		KCA	SW 8270
1,3-Dichlorobenzene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
1,4-Dichlorobenzene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
2,4,5-Trichlorophenol	ND	350	ug/Kg	09/21/06		KCA	SW 8270
2,4,6-Trichlorophenol	ND	350	ug/Kg	09/21/06		KCA	SW 8270
2,4-Dichlorophenol	ND	350	ug/Kg	09/21/06		KCA	SW 8270
2,4-Dimethylphenol	ND	350	ug/Kg	09/21/06		KCA	SW 8270
2,4-Dinitrophenol	ND	1000	ug/Kg	09/21/06		KCA	SW 8270
2,4-Dinitrotoluene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
2,6-Dichlorophenol	ND	350	ug/Kg	09/21/06		KCA	SW 8270
2,6-Dinitrotoluene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
2-Chloronaphthalene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
2-Chlorophenol	ND	350	ug/Kg	09/21/06		KCA	SW 8270
2-Methylnaphthalene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
2-Methylphenol (o-cresol)	ND	350	ug/Kg	09/21/06		KCA	SW 8270
2-Nitroaniline	ND	1000	ug/Kg	09/21/06		KCA	SW 8270
2-Nitrophenol	ND	350	ug/Kg	09/21/06		KCA	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	350	ug/Kg	09/21/06		KCA	SW 8270

Client ID: WYANDANCH E-10 Phoenix I.D.: AH52952

Parameter	Result	RL	Units	Date	Time	By	Reference
3,3'-Dichlorobenzidine	ND	420	ug/Kg	09/21/06		KCA	SW 8270
3-Nitroaniline	ND	1000	ug/Kg	09/21/06		KCA	SW 8270
4,6-Dinitro-2-methylphenol	ND	1000	ug/Kg	09/21/06		KCA	SW 8270
4-Bromophenyl phenyl ether	ND	350	ug/Kg	09/21/06		KCA	SW 8270
4-Chloro-3-methylphenol	ND	420	ug/Kg	09/21/06		KCA	SW 8270
4-Chloroaniline	ND	420	ug/Kg	09/21/06		KCA	SW 8270
4-Chlorophenyl phenyl ether	ND	350	ug/Kg	09/21/06		KCA	SW 8270
4-Nitroaniline	ND	1000	ug/Kg	09/21/06		KCA	SW 8270
4-Nitrophenol	ND	1000	ug/Kg	09/21/06		KCA	SW 8270
Acenaphthene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Acenaphthylene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Anthracene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Benz(a)anthracene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Benzidine	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Benzo(a)pyrene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Benzo(b)fluoranthene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Benzo(ghi)perylene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Benzo(k)fluoranthene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Benzoic acid	ND	1000	ug/Kg	09/21/06		KCA	SW 8270
Benzyl alcohol	ND	420	ug/Kg	09/21/06		KCA	SW 8270
Benzyl butyl phthalate	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Bis(2-chloroethoxy)methane	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Bis(2-chloroethyl)ether	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Bis(2-chloroisopropyl)ether	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Bis(2-ethylhexyl)phthalate	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Chrysene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Di-n-butylphthalate	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Di-n-octylphthalate	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Dibenz(a,h)anthracene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Dibenzofuran	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Diethyl phthalate	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Dimethylphthalate	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Fluoranthene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Fluorene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Hexachlorobenzene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Hexachlorobutadiene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Hexachlorocyclopentadiene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Hexachloroethane	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Indeno(1,2,3-cd)pyrene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Isophorone	ND	350	ug/Kg	09/21/06		KCA	SW 8270
N-Nitrosodi-n-propylamine	ND	350	ug/Kg	09/21/06		KCA	SW 8270
N-Nitrosodimethylamine	ND	350	ug/Kg	09/21/06		KCA	SW 8270
N-Nitrosodiphenylamine	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Naphthalene	ND	350	ug/Kg	09/21/06		KCA	SW 8270

Client ID: WYANDANCH E-10 Phoenix I.D.: AH52952

Parameter	Result	RL	Units	Date	Time	By	Reference
Nitrobenzene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Pentachlorophenol	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Phenanthrene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Phenol	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Pyrene	ND	350	ug/Kg	09/21/06		KCA	SW 8270
Pyridine	ND	350	ug/Kg	09/21/06		KCA	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	86		%	09/21/06		KCA	SW 8270
% 2-Fluorobiphenyl	84		%	09/21/06		KCA	SW 8270
% 2-Fluorophenol	74		%	09/21/06		KCA	SW 8270
% Nitrobenzene-d5	81		%	09/21/06		KCA	SW 8270
% Phenol-d5	76		%	09/21/06		KCA	SW 8270
% Terphenyl-d14	78		%	09/21/06		KCA	SW 8270

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Limit RL=Reporting Limit

Phyllis Shiller, Laboratory Director
December 06, 2006

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH

Analysis Report

December 06, 2006

FOR: Attn: Mr. Jon Simpson
Charter Environmental Inc
72 Jonspin Road
Wilmington, MA 01887

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		09/20/06	9:30
Location Code:	CHARTER	Received by:	SW	09/21/06	15:15
Rush Request:	ADD ON	Analyzed by:	see "By" below		
P.O.#:	20331				

SDG I.D.: GAH53190
Phoenix I.D.: AH53190

Laboratory Data

Client ID: WYANDANCH NE-14

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.5	0.5	mg/Kg	09/23/06		EK	SW6010
Arsenic	< 1	1	mg/Kg	09/23/06		EK	SW6010
Barium	25.6	0.50	mg/Kg	09/23/06		EK	SW6010
Beryllium	< 0.4	0.4	mg/Kg	09/23/06		EK	SW6010
Cadmium	< 0.5	0.5	mg/Kg	09/23/06		EK	SW6010
Chromium	121	0.5	mg/Kg	09/23/06		EK	SW6010
Copper	100	0.5	mg/Kg	09/23/06		EK	SW6010
Mercury - Soil	< 0.10	0.10	mg/kg	09/22/06		RS	SW-7471
Nickel	111	0.5	mg/Kg	09/23/06		EK	SW6010
Lead	13.8	0.5	mg/Kg	09/23/06		EK	SW6010
Antimony	< 5	5	mg/Kg	09/23/06		EK	SW6010
Selenium	< 2.5	2.5	mg/Kg	09/23/06		EK	SW6010
TCLP Silver	< 0.01	0.01	mg/L	09/23/06		EK	E1311/SW6010
TCLP Arsenic	< 0.01	0.01	mg/L	09/23/06		EK	E1311/SW6010
TCLP Barium	0.784	0.01	mg/L	09/23/06		EK	E1311/SW6010
TCLP Cadmium	< 0.005	0.005	mg/L	09/23/06		EK	E1311/SW6010
TCLP Chromium	0.015	0.01	mg/L	09/23/06		EK	E1311/SW6010
TCLP Lead	0.021	0.015	mg/L	09/23/06		EK	SW1311/6010
TCLP Selenium	< 0.05	0.05	mg/L	09/23/06		EK	E1311/SW6010
TCLP Mercury	< 0.001	0.001	mg/L	09/26/06		RS	E1311/E245.1
Thallium	< 2.0	2.0	mg/Kg	09/23/06		EK	SW6010
Vanadium	7.39	0.50	mg/Kg	09/23/06		EK	6010
Zinc	60.6	0.5	mg/Kg	09/23/06		EK	SW6010
Percent Solid	91		%	09/22/06		C/D	E160.3

Client ID: WYANDANCH NE-14 Phoenix I.D.: AH53190

Parameter	Result	RL	Units	Date	Time	By	Reference
Chromium, Hexavalent	5.03	0.49	mg/Kg	12/01/06		EG	SW3060/7196
Tot.Org.Carbon	2990	100	mg/kg	09/29/06		OL	EPA Kahn 6/99
Field Extraction	Completed			09/20/06		SCOTT	SW5035
Mercury Digestion	Completed			09/22/06		D	SW7471
Sieve Test	Completed			10/09/06		OL	ASTM
Soil Extraction for PCB	Completed			09/21/06		E	SW3545
Soil Ext. for Pesticide	Completed			09/21/06		E	3545
Soil Ext. for Semi- Vol	Completed			09/21/06		C/S/E	SW3545
TCLP Digestion Mercury	Completed			09/26/06		D	E1311/7470
TCLP Herbicides Extraction	Completed			09/22/06		O/E	SW8150 Mod
TCLP Extraction for Metals	Completed			09/21/06		D	EPA 1311
TCLP Extraction for Organics	Completed			09/21/06		D	1311
TCLP Pesticides Extraction	Completed			09/22/06		O	SW3510/3520
TCLP Semi-Volatile Extraction	Completed			09/22/06		O/K	SW3510/3520
TCLP Extraction Volatiles.	Completed			09/21/06		D	EPA 1311
Total Metals Digest	Completed			09/21/06		AG	SW846 - 3050
TCLP Metals Digestion	Completed			09/22/06		D	SW846 - 3005
Polychlorinated Biphenyls							
PCB-1016	ND	400	ug/Kg	09/22/06		MH	SW 8082
PCB-1221	ND	400	ug/Kg	09/22/06		MH	SW 8082
PCB-1232	ND	400	ug/Kg	09/22/06		MH	SW 8082
PCB-1242	ND	400	ug/Kg	09/22/06		MH	SW 8082
PCB-1248	ND	400	ug/Kg	09/22/06		MH	SW 8082
PCB-1254	ND	400	ug/Kg	09/22/06		MH	SW 8082
PCB-1260	ND	400	ug/Kg	09/22/06		MH	SW 8082
PCB-1262	ND	400	ug/Kg	09/22/06		MH	SW 8082
PCB-1268	ND	400	ug/Kg	09/22/06		MH	SW 8082
QA/QC Surrogates							
% DCBP (Surrogate Rec)	98		%	09/22/06		MH	SW 8082
% TCMX (Surrogate Rec)	107		%	09/22/06		MH	SW 8082
Pesticides - Soil							
4,4' -DDD	ND	32	ug/Kg	09/22/06		MH	SW8081
4,4' -DDE	ND	32	ug/Kg	09/22/06		MH	SW8081
4,4' -DDT	ND	32	ug/Kg	09/22/06		MH	SW8081
a-BHC	ND	16	ug/Kg	09/22/06		MH	SW8081
Aldrin	ND	7	ug/Kg	09/22/06		MH	SW8081
b-BHC	ND	16	ug/Kg	09/22/06		MH	SW8081
Chlordane	ND	66	ug/Kg	09/22/06		MH	SW8081
d-BHC	ND	16	ug/Kg	09/22/06		MH	SW8081
Dieldrin	ND	7.0	ug/Kg	09/22/06		MH	SW8081
Endosulfan I	ND	16	ug/Kg	09/22/06		MH	SW8081
Endosulfan II	ND	32	ug/Kg	09/22/06		MH	SW8081
Endosulfan sulfate	ND	32	ug/Kg	09/22/06		MH	SW8081

Client ID: WYANDANCH NE-14 Phoenix I.D.: AH53190

Parameter	Result	RL	Units	Date	Time	By	Reference
Endrin	ND	32	ug/Kg	09/22/06		MH	SW8081
Endrin aldehyde	ND	32	ug/Kg	09/22/06		MH	SW8081
Endrin ketone	ND	32	ug/Kg	09/22/06		MH	SW8081
g-BHC	ND	16	ug/Kg	09/22/06		MH	SW8081
Heptachlor	ND	13	ug/Kg	09/22/06		MH	SW8081
Heptachlor epoxide	ND	16	ug/Kg	09/22/06		MH	SW8081
Methoxychlor	ND	160	ug/Kg	09/22/06		MH	SW8081
Toxaphene	ND	160	ug/Kg	09/22/06		MH	SW8081
QA/QC Surrogates							
% DCBP (Surrogate Rec)	89		%	09/22/06		MH	SW8081
% TCMX (Surrogate Rec)	97		%	09/22/06		MH	SW8081
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	1.0	ug/L	09/27/06		KCA	SW8151
2,4-D	ND	5.0	ug/L	09/27/06		KCA	SW8151
QA/QC Surrogates							
% DCAA (Surrogate Rec)	122		%	09/27/06		KCA	SW8151
TCLP Pesticides							
4,4' -DDD	ND	0.1	ug/L	09/25/06		MH	SW 8081
4,4' -DDE	ND	0.1	ug/L	09/25/06		MH	SW 8081
4,4' -DDT	ND	0.1	ug/L	09/25/06		MH	SW 8081
a-BHC	ND	0.05	ug/L	09/25/06		MH	SW 8081
Aldrin	ND	0.05	ug/L	09/25/06		MH	SW 8081
b-BHC	ND	0.05	ug/L	09/25/06		MH	SW 8081
Chlordane	ND	0.3	ug/L	09/25/06		MH	SW 8081
d-BHC	ND	0.05	ug/L	09/25/06		MH	SW 8081
Dieldrin	ND	0.1	ug/L	09/25/06		MH	SW 8081
Endosulfan I	ND	0.05	ug/L	09/25/06		MH	SW 8081
Endosulfan II	ND	0.1	ug/L	09/25/06		MH	SW 8081
Endosulfan Sulfate	ND	0.1	ug/L	09/25/06		MH	SW 8081
Endrin	ND	0.1	ug/L	09/25/06		MH	SW 8081
Endrin Aldehyde	ND	0.1	ug/L	09/25/06		MH	SW 8081
g-BHC (Lindane)	ND	0.05	ug/L	09/25/06		MH	SW 8081
Heptachlor	ND	0.05	ug/L	09/25/06		MH	SW 8081
Heptachlor epoxide	ND	0.05	ug/L	09/25/06		MH	SW 8081
Methoxychlor	ND	0.2	ug/L	09/25/06		MH	SW 8081
Toxaphene	ND	1.0	ug/L	09/25/06		MH	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	117		%	09/25/06		MH	SW 8081
%TCMX (Surrogate Rec)	113		%	09/25/06		MH	SW 8081
TCLP Volatiles							
1,1-Dichloroethylene	ND	50	ug/L	09/25/06		R/J	SW 8260

Client ID: WYANDANCH NE-14 Phoenix I.D.: AH53190

Parameter	Result	RL	Units	Date	Time	By	Reference
1,2-Dichloroethane	ND	50	ug/L	09/25/06		R/J	SW 8260
Benzene	ND	50	ug/L	09/25/06		R/J	SW 8260
Carbon tetrachloride	ND	50	ug/L	09/25/06		R/J	SW 8260
Chlorobenzene	ND	50	ug/L	09/25/06		R/J	SW 8260
Chloroform	ND	50	ug/L	09/25/06		R/J	SW 8260
Methyl ethyl ketone	ND	50	ug/L	09/25/06		R/J	SW 8260
Tetrachloroethene	ND	50	ug/L	09/25/06		R/J	SW 8260
Trichloroethene	ND	50	ug/L	09/25/06		R/J	SW 8260
Vinyl chloride	ND	50	ug/L	09/25/06		R/J	SW 8260
QA/QC Surrogates							
%4-Bromofluorobenzene (Surrogate)	98		%	09/25/06		R/J	SW 8260
Volatiles							
1,1,1,2-Tetrachloroethane	ND	3	ug/Kg	09/23/06		R/J	SW8260
1,1,1-Trichloroethane	ND	3	ug/Kg	09/23/06		R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	3	ug/Kg	09/23/06		R/J	SW8260
1,1,2-Trichloroethane	ND	3	ug/Kg	09/23/06		R/J	SW8260
1,1-Dichloroethane	ND	3	ug/Kg	09/23/06		R/J	SW8260
1,1-Dichloroethene	ND	3	ug/Kg	09/23/06		R/J	SW8260
1,1-Dichloropropene	ND	3	ug/Kg	09/23/06		R/J	SW8260
1,2,3-Trichlorobenzene	ND	3	ug/Kg	09/23/06		R/J	SW8260
1,2,3-Trichloropropane	ND	3	ug/Kg	09/23/06		R/J	SW8260
1,2,4-Trichlorobenzene	ND	3	ug/Kg	09/23/06		R/J	SW8260
1,2,4-Trimethylbenzene	ND	3	ug/Kg	09/23/06		R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	3	ug/Kg	09/23/06		R/J	SW8260
1,2-Dichlorobenzene	ND	3	ug/Kg	09/23/06		R/J	SW8260
1,2-Dichloroethane	ND	3	ug/Kg	09/23/06		R/J	SW8260
1,2-Dichloropropane	ND	3	ug/Kg	09/23/06		R/J	SW8260
1,3,5-Trimethylbenzene	ND	3	ug/Kg	09/23/06		R/J	SW8260
1,3-Dichlorobenzene	ND	3	ug/Kg	09/23/06		R/J	SW8260
1,3-Dichloropropane	ND	3	ug/Kg	09/23/06		R/J	SW8260
1,4-Dichlorobenzene	ND	3	ug/Kg	09/23/06		R/J	SW8260
2,2-Dichloropropane	ND	3	ug/Kg	09/23/06		R/J	SW8260
2-Chlorotoluene	ND	3	ug/Kg	09/23/06		R/J	SW8260
2-Hexanone	ND	15	ug/Kg	09/23/06		R/J	SW8260
2-Isopropyltoluene	ND	3	ug/Kg	09/23/06		R/J	SW8260
4-Chlorotoluene	ND	3	ug/Kg	09/23/06		R/J	SW8260
4-Methyl-2-pentanone	ND	15	ug/Kg	09/23/06		R/J	SW8260
Acetone	31	15	ug/Kg	09/23/06		R/J	SW8260
Acrylonitrile	ND	5.9	ug/Kg	09/23/06		R/J	SW8260
Benzene	ND	3	ug/Kg	09/23/06		R/J	SW8260
Bromobenzene	ND	3	ug/Kg	09/23/06		R/J	SW8260
Bromochloromethane	ND	3	ug/Kg	09/23/06		R/J	SW8260
Bromodichloromethane	ND	3	ug/Kg	09/23/06		R/J	SW8260

Parameter	Result	RL	Units	Date	Time	By	Reference
Bromoform	ND	3	ug/Kg	09/23/06		R/J	SW8260
Bromomethane	ND	3	ug/Kg	09/23/06		R/J	SW8260
Carbon Disulfide	ND	3	ug/Kg	09/23/06		R/J	SW8260
Carbon tetrachloride	ND	3	ug/Kg	09/23/06		R/J	SW8260
Chlorobenzene	ND	3	ug/Kg	09/23/06		R/J	SW8260
Chloroethane	ND	3	ug/Kg	09/23/06		R/J	SW8260
Chloroform	ND	3	ug/Kg	09/23/06		R/J	SW8260
Chloromethane	ND	3	ug/Kg	09/23/06		R/J	SW8260
cis-1,2-Dichloroethene	ND	3	ug/Kg	09/23/06		R/J	SW8260
cis-1,3-Dichloropropene	ND	3	ug/Kg	09/23/06		R/J	SW8260
Dibromochloromethane	ND	3	ug/Kg	09/23/06		R/J	SW8260
Dibromoethane	ND	3	ug/Kg	09/23/06		R/J	SW8260
Dibromomethane	ND	3	ug/Kg	09/23/06		R/J	SW8260
Dichlorodifluoromethane	ND	3	ug/Kg	09/23/06		R/J	SW8260
Ethylbenzene	ND	3	ug/Kg	09/23/06		R/J	SW8260
Hexachlorobutadiene	ND	3	ug/Kg	09/23/06		R/J	SW8260
Isopropylbenzene	ND	3	ug/Kg	09/23/06		R/J	SW8260
m&p-Xylene	ND	3	ug/Kg	09/23/06		R/J	SW8260
Methyl Ethyl Ketone	ND	18	ug/Kg	09/23/06		R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	5.9	ug/Kg	09/23/06		R/J	SW8260
Methylene chloride	ND	3	ug/Kg	09/23/06		R/J	SW8260
n-Butylbenzene	ND	3	ug/Kg	09/23/06		R/J	SW8260
n-Propylbenzene	ND	3	ug/Kg	09/23/06		R/J	SW8260
Naphthalene	ND	3	ug/Kg	09/23/06		R/J	SW8260
o-Xylene	ND	3	ug/Kg	09/23/06		R/J	SW8260
p-Isopropyltoluene	ND	3	ug/Kg	09/23/06		R/J	SW8260
sec-Butylbenzene	ND	3	ug/Kg	09/23/06		R/J	SW8260
Styrene	ND	3	ug/Kg	09/23/06		R/J	SW8260
tert-Butylbenzene	ND	3	ug/Kg	09/23/06		R/J	SW8260
Tetrachloroethene	ND	3	ug/Kg	09/23/06		R/J	SW8260
Tetrahydrofuran (THF)	ND	5.9	ug/Kg	09/23/06		R/J	SW8260
Toluene	ND	3	ug/Kg	09/23/06		R/J	SW8260
Total Xylenes	ND	3	ug/Kg	09/23/06		R/J	SW8260
trans-1,2-Dichloroethene	ND	3	ug/Kg	09/23/06		R/J	SW8260
trans-1,3-Dichloropropene	ND	3	ug/Kg	09/23/06		R/J	SW8260
trans-1,4-dichloro-2-butene	ND	5.9	ug/Kg	09/23/06		R/J	SW8260
Trichloroethene	ND	3	ug/Kg	09/23/06		R/J	SW8260
Trichlorofluoromethane	ND	3	ug/Kg	09/23/06		R/J	SW8260
Trichlorotrifluoroethane	ND	3	ug/Kg	09/23/06		R/J	SW8260
Vinyl chloride	ND	3	ug/Kg	09/23/06		R/J	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	103		%	09/23/06		R/J	SW8260
% Bromofluorobenzene	100		%	09/23/06		R/J	SW8260
% Dibromofluoromethane	103		%	09/23/06		R/J	SW8260

Client ID: WYANDANCH NE-14 Phoenix I.D.: AH53190

Parameter	Result	RL	Units	Date	Time	By	Reference
% Toluene-d8	96		%	09/23/06		R/J	SW8260
TCLP Acid/Base-Neutral							
1,4-Dichlorobenzene	ND	100	ug/L	09/25/06		KCA	SW 8270
2,4,5-Trichlorophenol	ND	100	ug/L	09/25/06		KCA	SW 8270
2,4,6-Trichlorophenol	ND	100	ug/L	09/25/06		KCA	SW 8270
2,4-Dinitrotoluene	ND	100	ug/L	09/25/06		KCA	SW 8270
2-Methylphenol (o-cresol)	ND	100	ug/L	09/25/06		KCA	SW 8270
3&4-Methylphenol (m&p-Cresol)	ND	100	ug/L	09/25/06		KCA	SW 8270
Hexachlorobenzene	ND	100	ug/L	09/25/06		KCA	SW 8270
Hexachlorobutadiene	ND	100	ug/L	09/25/06		KCA	SW 8270
Hexachloroethane	ND	100	ug/L	09/25/06		KCA	SW 8270
Nitrobenzene	ND	100	ug/L	09/25/06		KCA	SW 8270
Pentachlorophenol	ND	500	ug/L	09/25/06		KCA	SW 8270
Pyridine	ND	100	ug/L	09/25/06		KCA	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	97		%	09/25/06		KCA	SW 8270
% 2-Fluorobiphenyl	94		%	09/25/06		KCA	SW 8270
% 2-Fluorophenol	77		%	09/25/06		KCA	SW 8270
% Nitrobenzene-d5	94		%	09/25/06		KCA	SW 8270
% Phenol-d5	80		%	09/25/06		KCA	SW 8270
% Terphenyl-d14	113		%	09/25/06		KCA	SW 8270
Semivolatiles							
1,2,4-Trichlorobenzene	ND	360	ug/Kg	09/22/06		KCA	SW 8270
1,2-Dichlorobenzene	ND	360	ug/Kg	09/22/06		KCA	SW 8270
1,2-Diphenylhydrazine	ND	360	ug/Kg	09/22/06		KCA	SW 8270
1,3-Dichlorobenzene	ND	360	ug/Kg	09/22/06		KCA	SW 8270
1,4-Dichlorobenzene	ND	360	ug/Kg	09/22/06		KCA	SW 8270
2,4,5-Trichlorophenol	ND	360	ug/Kg	09/22/06		KCA	SW 8270
2,4,6-Trichlorophenol	ND	360	ug/Kg	09/22/06		KCA	SW 8270
2,4-Dichlorophenol	ND	360	ug/Kg	09/22/06		KCA	SW 8270
2,4-Dimethylphenol	ND	360	ug/Kg	09/22/06		KCA	SW 8270
2,4-Dinitrophenol	ND	1100	ug/Kg	09/22/06		KCA	SW 8270
2,4-Dinitrotoluene	ND	360	ug/Kg	09/22/06		KCA	SW 8270
2,6-Dichlorophenol	ND	360	ug/Kg	09/22/06		KCA	SW 8270
2,6-Dinitrotoluene	ND	360	ug/Kg	09/22/06		KCA	SW 8270
2-Chloronaphthalene	ND	360	ug/Kg	09/22/06		KCA	SW 8270
2-Chlorophenol	ND	360	ug/Kg	09/22/06		KCA	SW 8270
2-Methylnaphthalene	ND	360	ug/Kg	09/22/06		KCA	SW 8270
2-Methylphenol (o-cresol)	ND	360	ug/Kg	09/22/06		KCA	SW 8270
2-Nitroaniline	ND	1100	ug/Kg	09/22/06		KCA	SW 8270
2-Nitrophenol	ND	360	ug/Kg	09/22/06		KCA	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	360	ug/Kg	09/22/06		KCA	SW 8270

Client ID: WYANDANCH NE-14 Phoenix I.D.: AH53190

Parameter	Result	RL	Units	Date	Time	By	Reference
3,3'-Dichlorobenzidine	ND	440	ug/Kg	09/22/06		KCA	SW 8270
3-Nitroaniline	ND	1100	ug/Kg	09/22/06		KCA	SW 8270
4,6-Dinitro-2-methylphenol	ND	1100	ug/Kg	09/22/06		KCA	SW 8270
4-Bromophenyl phenyl ether	ND	360	ug/Kg	09/22/06		KCA	SW 8270
4-Chloro-3-methylphenol	ND	440	ug/Kg	09/22/06		KCA	SW 8270
4-Chloroaniline	ND	440	ug/Kg	09/22/06		KCA	SW 8270
4-Chlorophenyl phenyl ether	ND	360	ug/Kg	09/22/06		KCA	SW 8270
4-Nitroaniline	ND	1100	ug/Kg	09/22/06		KCA	SW 8270
4-Nitrophenol	ND	1100	ug/Kg	09/22/06		KCA	SW 8270
Acenaphthene	ND	360	ug/Kg	09/22/06		KCA	SW 8270
Acenaphthylene	ND	360	ug/Kg	09/22/06		KCA	SW 8270
Anthracene	ND	360	ug/Kg	09/22/06		KCA	SW 8270
Benz(a)anthracene	ND	360	ug/Kg	09/22/06		KCA	SW 8270
Benzidine	ND	360	ug/Kg	09/22/06		KCA	SW 8270
Benzo(a)pyrene	ND	360	ug/Kg	09/22/06		KCA	SW 8270
Benzo(b)fluoranthene	ND	360	ug/Kg	09/22/06		KCA	SW 8270
Benzo(ghi)perylene	ND	360	ug/Kg	09/22/06		KCA	SW 8270
Benzo(k)fluoranthene	ND	360	ug/Kg	09/22/06		KCA	SW 8270
Benzoic acid	ND	1100	ug/Kg	09/22/06		KCA	SW 8270
Benzyl alcohol	ND	440	ug/Kg	09/22/06		KCA	SW 8270
Benzyl butyl phthalate	ND	360	ug/Kg	09/22/06		KCA	SW 8270
Bis(2-chloroethoxy)methane	ND	360	ug/Kg	09/22/06		KCA	SW 8270
Bis(2-chloroethyl)ether	ND	360	ug/Kg	09/22/06		KCA	SW 8270
Bis(2-chloroisopropyl)ether	ND	360	ug/Kg	09/22/06		KCA	SW 8270
Bis(2-ethylhexyl)phthalate	ND	360	ug/Kg	09/22/06		KCA	SW 8270
Chrysene	ND	360	ug/Kg	09/22/06		KCA	SW 8270
Di-n-butylphthalate	ND	360	ug/Kg	09/22/06		KCA	SW 8270
Di-n-octylphthalate	ND	360	ug/Kg	09/22/06		KCA	SW 8270
Dibenz(a,h)anthracene	ND	360	ug/Kg	09/22/06		KCA	SW 8270
Dibenzofuran	ND	360	ug/Kg	09/22/06		KCA	SW 8270
Diethyl phthalate	ND	360	ug/Kg	09/22/06		KCA	SW 8270
Dimethylphthalate	ND	360	ug/Kg	09/22/06		KCA	SW 8270
Fluoranthene	ND	360	ug/Kg	09/22/06		KCA	SW 8270
Fluorene	ND	360	ug/Kg	09/22/06		KCA	SW 8270
Hexachlorobenzene	ND	360	ug/Kg	09/22/06		KCA	SW 8270
Hexachlorobutadiene	ND	360	ug/Kg	09/22/06		KCA	SW 8270
Hexachlorocyclopentadiene	ND	360	ug/Kg	09/22/06		KCA	SW 8270
Hexachloroethane	ND	360	ug/Kg	09/22/06		KCA	SW 8270
Indeno(1,2,3-cd)pyrene	ND	360	ug/Kg	09/22/06		KCA	SW 8270
Isophorone	ND	360	ug/Kg	09/22/06		KCA	SW 8270
N-Nitrosodi-n-propylamine	ND	360	ug/Kg	09/22/06		KCA	SW 8270
N-Nitrosodimethylamine	ND	360	ug/Kg	09/22/06		KCA	SW 8270
N-Nitrosodiphenylamine	ND	360	ug/Kg	09/22/06		KCA	SW 8270
Naphthalene	ND	360	ug/Kg	09/22/06		KCA	SW 8270

Client ID: WYANDANCH NE-14 Phoenix I.D.: AH53190

Parameter	Result	RL	Units	Date	Time	By	Reference
Nitrobenzene	ND	360	ug/Kg	09/22/06		KCA	SW 8270
Pentachlorophenol	ND	360	ug/Kg	09/22/06		KCA	SW 8270
Phenanthrene	ND	360	ug/Kg	09/22/06		KCA	SW 8270
Phenol	ND	360	ug/Kg	09/22/06		KCA	SW 8270
Pyrene	ND	360	ug/Kg	09/22/06		KCA	SW 8270
Pyridine	ND	360	ug/Kg	09/22/06		KCA	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	93		%	09/22/06		KCA	SW 8270
% 2-Fluorobiphenyl	80		%	09/22/06		KCA	SW 8270
% 2-Fluorophenol	77		%	09/22/06		KCA	SW 8270
% Nitrobenzene-d5	83		%	09/22/06		KCA	SW 8270
% Phenol-d5	84		%	09/22/06		KCA	SW 8270
% Terphenyl-d14	92		%	09/22/06		KCA	SW 8270

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Limit RL=Reporting Limit

Phyllis Shiller, Laboratory Director
December 06, 2006

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH

Analysis Report

December 06, 2006

FOR: Attn: Mr. Jon Simpson
Charter Environmental Inc
72 Jonspin Road
Wilmington, MA 01887

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		09/20/06	11:00
Location Code:	CHARTER	Received by:	SW	09/21/06	15:15
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20331				

SDG I.D.: GAH53190
Phoenix I.D.: AH53191

Laboratory Data

Client ID: WYANDANCH NO 7

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.5	0.5	mg/Kg	09/23/06		EK	SW6010
Arsenic	1.4	1	mg/Kg	09/23/06		EK	SW6010
Barium	25.7	0.5	mg/Kg	09/23/06		EK	SW6010
Beryllium	< 0.4	0.4	mg/Kg	09/23/06		EK	SW6010
Cadmium	< 0.5	0.5	mg/Kg	09/23/06		EK	SW6010
Chromium	34.9	0.5	mg/Kg	09/23/06		EK	SW6010
Copper	35.6	0.5	mg/Kg	09/23/06		EK	SW6010
Mercury - Soil	< 0.10	0.10	mg/kg	09/22/06		RS	SW-7471
Nickel	38.2	0.5	mg/Kg	09/23/06		EK	SW6010
Lead	12.2	0.5	mg/Kg	09/23/06		EK	SW6010
Antimony	< 5	5	mg/Kg	09/23/06		EK	SW6010
Selenium	< 2.5	2.5	mg/Kg	09/23/06		EK	SW6010
TCLP Silver	< 0.01	0.01	mg/L	09/23/06		EK	E1311/SW6010
TCLP Arsenic	< 0.01	0.01	mg/L	09/23/06		EK	E1311/SW6010
TCLP Barium	0.65	0.01	mg/L	09/23/06		EK	E1311/SW6010
TCLP Cadmium	< 0.005	0.005	mg/L	09/23/06		EK	E1311/SW6010
TCLP Chromium	< 0.01	0.01	mg/L	09/23/06		EK	E1311/SW6010
TCLP Lead	0.032	0.015	mg/L	09/23/06		EK	SW1311/6010
TCLP Selenium	< 0.05	0.05	mg/L	09/23/06		EK	E1311/SW6010
TCLP Mercury	< 0.001	0.001	mg/L	09/26/06		RS	E1311/E245.1
Thallium	< 2	2	mg/Kg	09/23/06		EK	SW6010
Vanadium	8.23	0.5	mg/Kg	09/23/06		EK	6010
Zinc	22	0.5	mg/Kg	09/23/06		EK	SW6010
Percent Solid	95		%	09/22/06		C/D	E160.3

Client ID: WYANDANCH NO 7 Phoenix I.D.: AH53191

Parameter	Result	RL	Units	Date	Time	By	Reference
Chromium, Hexavalent	0.47	0.47	mg/Kg	12/04/06		CL	SW3060/7196
Tot.Org.Carbon	2450	100	mg/kg	09/29/06		OL	EPA Kahn 6/99
Field Extraction	Completed			09/20/06		SCOTT	SW5035
Mercury Digestion	Completed			09/22/06		D	SW7471
Sieve Test	Completed			10/09/06		OL	ASTM
Soil Extraction for PCB	Completed			09/21/06		C/S/E	SW3545
Soil Ext. for Pesticide	Completed			09/21/06		C/S/E	3545
Soil Ext. for Semi- Vol	Completed			09/21/06		C/S/E	SW3545
TCLP Digestion Mercury	Completed			09/26/06		D	E1311/7470
TCLP Herbicides Extraction	Completed			09/22/06		O/E	SW8150 Mod
TCLP Extraction for Metals	Completed			09/21/06		D	EPA 1311
TCLP Extraction for Organics	Completed			09/21/06		D	1311
TCLP Pesticides Extraction	Completed			09/22/06		O	SW3510/3520
TCLP Semi-Volatile Extraction	Completed			09/22/06		O/K	SW3510/3520
TCLP Extraction Volatiles.	Completed			09/21/06		D	EPA 1311
Total Metals Digest	Completed			09/21/06		AG	SW846 - 3050
TCLP Metals Digestion	Completed			09/22/06		D	SW846 - 3005
Polychlorinated Biphenyls							
PCB-1016	ND	400	ug/Kg	09/22/06		MH	SW 8082
PCB-1221	ND	400	ug/Kg	09/22/06		MH	SW 8082
PCB-1232	ND	400	ug/Kg	09/22/06		MH	SW 8082
PCB-1242	ND	400	ug/Kg	09/22/06		MH	SW 8082
PCB-1248	ND	400	ug/Kg	09/22/06		MH	SW 8082
PCB-1254	ND	400	ug/Kg	09/22/06		MH	SW 8082
PCB-1260	ND	400	ug/Kg	09/22/06		MH	SW 8082
PCB-1262	ND	400	ug/Kg	09/22/06		MH	SW 8082
PCB-1268	ND	400	ug/Kg	09/22/06		MH	SW 8082
QA/QC Surrogates							
% DCBP (Surrogate Rec)	106		%	09/22/06		MH	SW 8082
% TCMX (Surrogate Rec)	107		%	09/22/06		MH	SW 8082
Pesticides - Soil							
4,4' -DDD	ND	32	ug/Kg	09/22/06		MH	SW8081
4,4' -DDE	ND	32	ug/Kg	09/22/06		MH	SW8081
4,4' -DDT	ND	32	ug/Kg	09/22/06		MH	SW8081
a-BHC	ND	16	ug/Kg	09/22/06		MH	SW8081
Aldrin	ND	7	ug/Kg	09/22/06		MH	SW8081
b-BHC	ND	16	ug/Kg	09/22/06		MH	SW8081
Chlordane	ND	66	ug/Kg	09/22/06		MH	SW8081
d-BHC	ND	16	ug/Kg	09/22/06		MH	SW8081
Dieldrin	ND	7.0	ug/Kg	09/22/06		MH	SW8081
Endosulfan I	ND	16	ug/Kg	09/22/06		MH	SW8081
Endosulfan II	ND	32	ug/Kg	09/22/06		MH	SW8081
Endosulfan sulfate	ND	32	ug/Kg	09/22/06		MH	SW8081

Parameter	Result	RL	Units	Date	Time	By	Reference
Endrin	ND	32	ug/Kg	09/22/06		MH	SW8081
Endrin aldehyde	ND	32	ug/Kg	09/22/06		MH	SW8081
Endrin ketone	ND	32	ug/Kg	09/22/06		MH	SW8081
g-BHC	ND	16	ug/Kg	09/22/06		MH	SW8081
Heptachlor	ND	13	ug/Kg	09/22/06		MH	SW8081
Heptachlor epoxide	ND	16	ug/Kg	09/22/06		MH	SW8081
Methoxychlor	ND	160	ug/Kg	09/22/06		MH	SW8081
Toxaphene	ND	160	ug/Kg	09/22/06		MH	SW8081
QA/QC Surrogates							
% DCBP (Surrogate Rec)	88		%	09/22/06		MH	SW8081
% TCMX (Surrogate Rec)	94		%	09/22/06		MH	SW8081
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	1.0	ug/L	09/27/06		KCA	SW8151
2,4-D	ND	5.0	ug/L	09/27/06		KCA	SW8151
QA/QC Surrogates							
% DCAA (Surrogate Rec)	146		%	09/27/06		KCA	SW8151
TCLP Pesticides							
4,4' -DDD	ND	0.1	ug/L	09/25/06		MH	SW 8081
4,4' -DDE	ND	0.1	ug/L	09/25/06		MH	SW 8081
4,4' -DDT	ND	0.1	ug/L	09/25/06		MH	SW 8081
a-BHC	ND	0.05	ug/L	09/25/06		MH	SW 8081
Aldrin	ND	0.05	ug/L	09/25/06		MH	SW 8081
b-BHC	ND	0.05	ug/L	09/25/06		MH	SW 8081
Chlordane	ND	0.3	ug/L	09/25/06		MH	SW 8081
d-BHC	ND	0.05	ug/L	09/25/06		MH	SW 8081
Dieldrin	ND	0.1	ug/L	09/25/06		MH	SW 8081
Endosulfan I	ND	0.05	ug/L	09/25/06		MH	SW 8081
Endosulfan II	ND	0.1	ug/L	09/25/06		MH	SW 8081
Endosulfan Sulfate	ND	0.1	ug/L	09/25/06		MH	SW 8081
Endrin	ND	0.1	ug/L	09/25/06		MH	SW 8081
Endrin Aldehyde	ND	0.1	ug/L	09/25/06		MH	SW 8081
g-BHC (Lindane)	ND	0.05	ug/L	09/25/06		MH	SW 8081
Heptachlor	ND	0.05	ug/L	09/25/06		MH	SW 8081
Heptachlor epoxide	ND	0.05	ug/L	09/25/06		MH	SW 8081
Methoxychlor	ND	0.2	ug/L	09/25/06		MH	SW 8081
Toxaphene	ND	1.0	ug/L	09/25/06		MH	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	114		%	09/25/06		MH	SW 8081
%TCMX (Surrogate Rec)	122		%	09/25/06		MH	SW 8081
TCLP Volatiles							
1,1-Dichloroethylene	ND	50	ug/L	09/25/06		RJ	SW 8260

Client ID: WYANDANCH NO 7 Phoenix I.D.: AH53191

Parameter	Result	RL	Units	Date	Time	By	Reference
1,2-Dichloroethane	ND	50	ug/L	09/25/06		R/J	SW 8260
Benzene	ND	50	ug/L	09/25/06		R/J	SW 8260
Carbon tetrachloride	ND	50	ug/L	09/25/06		R/J	SW 8260
Chlorobenzene	ND	50	ug/L	09/25/06		R/J	SW 8260
Chloroform	ND	50	ug/L	09/25/06		R/J	SW 8260
Methyl ethyl ketone	ND	50	ug/L	09/25/06		R/J	SW 8260
Tetrachloroethene	ND	50	ug/L	09/25/06		R/J	SW 8260
Trichloroethene	ND	50	ug/L	09/25/06		R/J	SW 8260
Vinyl chloride	ND	50	ug/L	09/25/06		R/J	SW 8260
QA/QC Surrogates							
%4-Bromofluorobenzene (Surrogate)	99		%	09/25/06		R/J	SW 8260
Volatiles							
1,1,1,2-Tetrachloroethane	ND	2.2	ug/Kg	09/26/06		R/J	SW8260
1,1,1-Trichloroethane	ND	2.2	ug/Kg	09/26/06		R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	2.2	ug/Kg	09/26/06		R/J	SW8260
1,1,2-Trichloroethane	ND	2.2	ug/Kg	09/26/06		R/J	SW8260
1,1-Dichloroethane	ND	2.2	ug/Kg	09/26/06		R/J	SW8260
1,1-Dichloroethene	ND	2.2	ug/Kg	09/26/06		R/J	SW8260
1,1-Dichloropropene	ND	2.2	ug/Kg	09/26/06		R/J	SW8260
1,2,3-Trichlorobenzene	ND	2.2	ug/Kg	09/26/06		R/J	SW8260
1,2,3-Trichloropropane	ND	2.2	ug/Kg	09/26/06		R/J	SW8260
1,2,4-Trichlorobenzene	ND	2.2	ug/Kg	09/26/06		R/J	SW8260
1,2,4-Trimethylbenzene	ND	2.2	ug/Kg	09/26/06		R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	2.2	ug/Kg	09/26/06		R/J	SW8260
1,2-Dichlorobenzene	ND	2.2	ug/Kg	09/26/06		R/J	SW8260
1,2-Dichloroethane	ND	2.2	ug/Kg	09/26/06		R/J	SW8260
1,2-Dichloropropane	ND	2.2	ug/Kg	09/26/06		R/J	SW8260
1,3,5-Trimethylbenzene	ND	2.2	ug/Kg	09/26/06		R/J	SW8260
1,3-Dichlorobenzene	ND	2.2	ug/Kg	09/26/06		R/J	SW8260
1,3-Dichloropropane	ND	2.2	ug/Kg	09/26/06		R/J	SW8260
1,4-Dichlorobenzene	ND	2.2	ug/Kg	09/26/06		R/J	SW8260
2,2-Dichloropropane	ND	2.2	ug/Kg	09/26/06		R/J	SW8260
2-Chlorotoluene	ND	2.2	ug/Kg	09/26/06		R/J	SW8260
2-Hexanone	ND	11	ug/Kg	09/26/06		R/J	SW8260
2-Isopropyltoluene	ND	2.2	ug/Kg	09/26/06		R/J	SW8260
4-Chlorotoluene	ND	2.2	ug/Kg	09/26/06		R/J	SW8260
4-Methyl-2-pentanone	ND	11	ug/Kg	09/26/06		R/J	SW8260
Acetone	19	11	ug/Kg	09/26/06		R/J	SW8260
Acrylonitrile	ND	4.3	ug/Kg	09/26/06		R/J	SW8260
Benzene	ND	2.2	ug/Kg	09/26/06		R/J	SW8260
Bromobenzene	ND	2.2	ug/Kg	09/26/06		R/J	SW8260
Bromochloromethane	ND	2.2	ug/Kg	09/26/06		R/J	SW8260
Bromodichloromethane	ND	2.2	ug/Kg	09/26/06		R/J	SW8260

Parameter	Result	RL	Units	Date	Time	By	Reference
Bromoform	ND	2.2	ug/Kg	09/26/06		R/J	SW8260
Bromomethane	ND	2.2	ug/Kg	09/26/06		R/J	SW8260
Carbon Disulfide	ND	2.2	ug/Kg	09/26/06		R/J	SW8260
Carbon tetrachloride	ND	2.2	ug/Kg	09/26/06		R/J	SW8260
Chlorobenzene	ND	2.2	ug/Kg	09/26/06		R/J	SW8260
Chloroethane	ND	2.2	ug/Kg	09/26/06		R/J	SW8260
Chloroform	ND	2.2	ug/Kg	09/26/06		R/J	SW8260
Chloromethane	ND	2.2	ug/Kg	09/26/06		R/J	SW8260
cis-1,2-Dichloroethene	ND	2.2	ug/Kg	09/26/06		R/J	SW8260
cis-1,3-Dichloropropene	ND	2.2	ug/Kg	09/26/06		R/J	SW8260
Dibromochloromethane	ND	2.2	ug/Kg	09/26/06		R/J	SW8260
Dibromoethane	ND	2.2	ug/Kg	09/26/06		R/J	SW8260
Dibromomethane	ND	2.2	ug/Kg	09/26/06		R/J	SW8260
Dichlorodifluoromethane	ND	2.2	ug/Kg	09/26/06		R/J	SW8260
Ethylbenzene	ND	2.2	ug/Kg	09/26/06		R/J	SW8260
Hexachlorobutadiene	ND	2.2	ug/Kg	09/26/06		R/J	SW8260
Isopropylbenzene	ND	2.2	ug/Kg	09/26/06		R/J	SW8260
m&p-Xylene	ND	2.2	ug/Kg	09/26/06		R/J	SW8260
Methyl Ethyl Ketone	ND	13	ug/Kg	09/26/06		R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	4.3	ug/Kg	09/26/06		R/J	SW8260
Methylene chloride	ND	2.2	ug/Kg	09/26/06		R/J	SW8260
n-Butylbenzene	ND	2.2	ug/Kg	09/26/06		R/J	SW8260
n-Propylbenzene	ND	2.2	ug/Kg	09/26/06		R/J	SW8260
Naphthalene	ND	2.2	ug/Kg	09/26/06		R/J	SW8260
o-Xylene	ND	2.2	ug/Kg	09/26/06		R/J	SW8260
p-Isopropyltoluene	ND	2.2	ug/Kg	09/26/06		R/J	SW8260
sec-Butylbenzene	ND	2.2	ug/Kg	09/26/06		R/J	SW8260
Styrene	ND	2.2	ug/Kg	09/26/06		R/J	SW8260
tert-Butylbenzene	ND	2.2	ug/Kg	09/26/06		R/J	SW8260
Tetrachloroethene	ND	2.2	ug/Kg	09/26/06		R/J	SW8260
Tetrahydrofuran (THF)	ND	4.3	ug/Kg	09/26/06		R/J	SW8260
Toluene	ND	2.2	ug/Kg	09/26/06		R/J	SW8260
Total Xylenes	ND	2.2	ug/Kg	09/26/06		R/J	SW8260
trans-1,2-Dichloroethene	ND	2.2	ug/Kg	09/26/06		R/J	SW8260
trans-1,3-Dichloropropene	ND	2.2	ug/Kg	09/26/06		R/J	SW8260
trans-1,4-dichloro-2-butene	ND	4.3	ug/Kg	09/26/06		R/J	SW8260
Trichloroethene	ND	2.2	ug/Kg	09/26/06		R/J	SW8260
Trichlorofluoromethane	ND	2.2	ug/Kg	09/26/06		R/J	SW8260
Trichlorotrifluoroethane	ND	2.2	ug/Kg	09/26/06		R/J	SW8260
Vinyl chloride	ND	2.2	ug/Kg	09/26/06		R/J	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	102		%	09/26/06		R/J	SW8260
% Bromofluorobenzene	102		%	09/26/06		R/J	SW8260
% Dibromofluoromethane	108		%	09/26/06		R/J	SW8260

Client ID: WYANDANCH NO 7 Phoenix I.D.: AH53191

Parameter	Result	RL	Units	Date	Time	By	Reference
% Toluene-d8	98		%	09/26/06		R/J	SW8260
TCLP Acid/Base-Neutral							
1,4-Dichlorobenzene	ND	100	ug/L	09/25/06		KCA	SW 8270
2,4,5-Trichlorophenol	ND	100	ug/L	09/25/06		KCA	SW 8270
2,4,6-Trichlorophenol	ND	100	ug/L	09/25/06		KCA	SW 8270
2,4-Dinitrotoluene	ND	100	ug/L	09/25/06		KCA	SW 8270
2-Methylphenol (o-cresol)	ND	100	ug/L	09/25/06		KCA	SW 8270
3&4-Methylphenol (m&p-Cresol)	ND	100	ug/L	09/25/06		KCA	SW 8270
Hexachlorobenzene	ND	100	ug/L	09/25/06		KCA	SW 8270
Hexachlorobutadiene	ND	100	ug/L	09/25/06		KCA	SW 8270
Hexachloroethane	ND	100	ug/L	09/25/06		KCA	SW 8270
Nitrobenzene	ND	100	ug/L	09/25/06		KCA	SW 8270
Pentachlorophenol	ND	500	ug/L	09/25/06		KCA	SW 8270
Pyridine	ND	100	ug/L	09/25/06		KCA	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	99		%	09/25/06		KCA	SW 8270
% 2-Fluorobiphenyl	92		%	09/25/06		KCA	SW 8270
% 2-Fluorophenol	75		%	09/25/06		KCA	SW 8270
% Nitrobenzene-d5	90		%	09/25/06		KCA	SW 8270
% Phenol-d5	77		%	09/25/06		KCA	SW 8270
% Terphenyl-d14	123		%	09/25/06		KCA	SW 8270
Semivolatiles							
1,2,4-Trichlorobenzene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
1,2-Dichlorobenzene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
1,2-Diphenylhydrazine	ND	350	ug/Kg	09/22/06		KCA	SW 8270
1,3-Dichlorobenzene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
1,4-Dichlorobenzene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
2,4,5-Trichlorophenol	ND	350	ug/Kg	09/22/06		KCA	SW 8270
2,4,6-Trichlorophenol	ND	350	ug/Kg	09/22/06		KCA	SW 8270
2,4-Dichlorophenol	ND	350	ug/Kg	09/22/06		KCA	SW 8270
2,4-Dimethylphenol	ND	350	ug/Kg	09/22/06		KCA	SW 8270
2,4-Dinitrophenol	ND	1000	ug/Kg	09/22/06		KCA	SW 8270
2,4-Dinitrotoluene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
2,6-Dichlorophenol	ND	350	ug/Kg	09/22/06		KCA	SW 8270
2,6-Dinitrotoluene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
2-Chloronaphthalene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
2-Chlorophenol	ND	350	ug/Kg	09/22/06		KCA	SW 8270
2-Methylnaphthalene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
2-Methylphenol (o-cresol)	ND	350	ug/Kg	09/22/06		KCA	SW 8270
2-Nitroaniline	ND	1000	ug/Kg	09/22/06		KCA	SW 8270
2-Nitrophenol	ND	350	ug/Kg	09/22/06		KCA	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	350	ug/Kg	09/22/06		KCA	SW 8270

Client ID: WYANDANCH NO 7 Phoenix I.D.: AH53191

Parameter	Result	RL	Units	Date	Time	By	Reference
3,3'-Dichlorobenzidine	ND	420	ug/Kg	09/22/06		KCA	SW 8270
3-Nitroaniline	ND	1000	ug/Kg	09/22/06		KCA	SW 8270
4,6-Dinitro-2-methylphenol	ND	1000	ug/Kg	09/22/06		KCA	SW 8270
4-Bromophenyl phenyl ether	ND	350	ug/Kg	09/22/06		KCA	SW 8270
4-Chloro-3-methylphenol	ND	420	ug/Kg	09/22/06		KCA	SW 8270
4-Chloroaniline	ND	420	ug/Kg	09/22/06		KCA	SW 8270
4-Chlorophenyl phenyl ether	ND	350	ug/Kg	09/22/06		KCA	SW 8270
4-Nitroaniline	ND	1000	ug/Kg	09/22/06		KCA	SW 8270
4-Nitrophenol	ND	1000	ug/Kg	09/22/06		KCA	SW 8270
Acenaphthene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Acenaphthylene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Anthracene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Benz(a)anthracene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Benzidine	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Benzo(a)pyrene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Benzo(b)fluoranthene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Benzo(ghi)perylene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Benzo(k)fluoranthene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Benzoic acid	ND	1000	ug/Kg	09/22/06		KCA	SW 8270
Benzyl alcohol	ND	420	ug/Kg	09/22/06		KCA	SW 8270
Benzyl butyl phthalate	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Bis(2-chloroethoxy)methane	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Bis(2-chloroethyl)ether	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Bis(2-chloroisopropyl)ether	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Bis(2-ethylhexyl)phthalate	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Chrysene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Di-n-butylphthalate	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Di-n-octylphthalate	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Dibenz(a,h)anthracene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Dibenzofuran	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Diethyl phthalate	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Dimethylphthalate	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Fluoranthene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Fluorene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Hexachlorobenzene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Hexachlorobutadiene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Hexachlorocyclopentadiene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Hexachloroethane	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Indeno(1,2,3-cd)pyrene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Isophorone	ND	350	ug/Kg	09/22/06		KCA	SW 8270
N-Nitrosodi-n-propylamine	ND	350	ug/Kg	09/22/06		KCA	SW 8270
N-Nitrosodimethylamine	ND	350	ug/Kg	09/22/06		KCA	SW 8270
N-Nitrosodiphenylamine	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Naphthalene	ND	350	ug/Kg	09/22/06		KCA	SW 8270

Client ID: WYANDANCH NO 7 Phoenix I.D.: AH53191

Parameter	Result	RL	Units	Date	Time	By	Reference
Nitrobenzene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Pentachlorophenol	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Phenanthrene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Phenol	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Pyrene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Pyridine	ND	350	ug/Kg	09/22/06		KCA	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	90		%	09/22/06		KCA	SW 8270
% 2-Fluorobiphenyl	82		%	09/22/06		KCA	SW 8270
% 2-Fluorophenol	77		%	09/22/06		KCA	SW 8270
% Nitrobenzene-d5	85		%	09/22/06		KCA	SW 8270
% Phenol-d5	88		%	09/22/06		KCA	SW 8270
% Terphenyl-d14	92		%	09/22/06		KCA	SW 8270

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Limit RL=Reporting Limit

Phyllis Shiller, Laboratory Director
December 06, 2006

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH

Analysis Report

December 06, 2006

FOR: Attn: Mr. Jon Simpson
Charter Environmental Inc
72 Jonspin Road
Wilmington, MA 01887

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		09/20/06	12:30
Location Code:	CHARTER	Received by:	SW	09/21/06	15:15
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20331				

SDG I.D.: GAH53190
Phoenix I.D.: AH53192

Laboratory Data

Client ID: WYANDANCH NO 11

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.5	0.5	mg/Kg	09/23/06		EK	SW6010
Arsenic	1.9	1	mg/Kg	09/23/06		EK	SW6010
Barium	12.1	0.5	mg/Kg	09/23/06		EK	SW6010
Beryllium	< 0.4	0.4	mg/Kg	09/23/06		EK	SW6010
Cadmium	< 0.5	0.5	mg/Kg	09/23/06		EK	SW6010
Chromium	80	0.5	mg/Kg	09/23/06		EK	SW6010
Copper	64.8	0.5	mg/Kg	09/23/06		EK	SW6010
Mercury - Soil	< 0.10	0.10	mg/kg	09/22/06		RS	SW-7471
Nickel	62.1	0.5	mg/Kg	09/23/06		EK	SW6010
Lead	15.6	0.5	mg/Kg	09/23/06		EK	SW6010
Antimony	< 5	5	mg/Kg	09/23/06		EK	SW6010
Selenium	< 2.5	2.5	mg/Kg	09/23/06		EK	SW6010
TCLP Silver	< 0.01	0.01	mg/L	09/23/06		EK	E1311/SW6010
TCLP Arsenic	< 0.01	0.01	mg/L	09/23/06		EK	E1311/SW6010
TCLP Barium	0.258	0.01	mg/L	09/23/06		EK	E1311/SW6010
TCLP Cadmium	< 0.005	0.005	mg/L	09/23/06		EK	E1311/SW6010
TCLP Chromium	0.021	0.01	mg/L	09/23/06		EK	E1311/SW6010
TCLP Lead	0.058	0.015	mg/L	09/23/06		EK	SW1311/6010
TCLP Selenium	< 0.05	0.05	mg/L	09/23/06		EK	E1311/SW6010
TCLP Mercury	< 0.001	0.001	mg/L	09/26/06		RS	E1311/E245.1
Thallium	< 2	2	mg/Kg	09/23/06		EK	SW6010
Vanadium	9.95	0.5	mg/Kg	09/23/06		EK	6010
Zinc	26.4	0.5	mg/Kg	09/23/06		EK	SW6010
Percent Solid	94		%	09/22/06		C/D	E160.3

Client ID: WYANDANCH NO 11 Phoenix I.D.: AH53192

Parameter	Result	RL	Units	Date	Time	By	Reference
Chromium, Hexavalent	2.10	0.47	mg/Kg	12/04/06		CL	SW3060/7196
Tot.Org.Carbon	1690	100	mg/kg	09/29/06		OL	EPA Kahn 6/99
Field Extraction	Completed			09/20/06		SCOTT	SW5035
Mercury Digestion	Completed			09/22/06		D	SW7471
Sieve Test	Completed			10/09/06		OL	ASTM
Soil Extraction for PCB	Completed			09/21/06		C/S/E	SW3545
Soil Ext. for Pesticide	Completed			09/21/06		C/S/E	3545
Soil Ext. for Semi- Vol	Completed			09/21/06		C/S/E	SW3545
TCLP Digestion Mercury	Completed			09/26/06		D	E1311/7470
TCLP Herbicides Extraction	Completed			09/22/06		O/E	SW8150 Mod
TCLP Extraction for Metals	Completed			09/21/06		D	EPA 1311
TCLP Extraction for Organics	Completed			09/21/06		D	1311
TCLP Pesticides Extraction	Completed			09/22/06		O	SW3510/3520
TCLP Semi-Volatile Extraction	Completed			09/22/06		O/K	SW3510/3520
TCLP Extraction Volatiles.	Completed			09/21/06		D	EPA 1311
Total Metals Digest	Completed			09/21/06		AG	SW846 - 3050
TCLP Metals Digestion	Completed			09/22/06		D	SW846 - 3005
Polychlorinated Biphenyls							
PCB-1016	ND	400	ug/Kg	09/22/06		MH	SW 8082
PCB-1221	ND	400	ug/Kg	09/22/06		MH	SW 8082
PCB-1232	ND	400	ug/Kg	09/22/06		MH	SW 8082
PCB-1242	ND	400	ug/Kg	09/22/06		MH	SW 8082
PCB-1248	ND	400	ug/Kg	09/22/06		MH	SW 8082
PCB-1254	ND	400	ug/Kg	09/22/06		MH	SW 8082
PCB-1260	ND	400	ug/Kg	09/22/06		MH	SW 8082
PCB-1262	ND	400	ug/Kg	09/22/06		MH	SW 8082
PCB-1268	ND	400	ug/Kg	09/22/06		MH	SW 8082
QA/QC Surrogates							
% DCBP (Surrogate Rec)	91		%	09/22/06		MH	SW 8082
% TCMX (Surrogate Rec)	89		%	09/22/06		MH	SW 8082
Pesticides - Soil							
4,4' -DDD	ND	32	ug/Kg	09/22/06		MH	SW8081
4,4' -DDE	ND	32	ug/Kg	09/22/06		MH	SW8081
4,4' -DDT	ND	32	ug/Kg	09/22/06		MH	SW8081
a-BHC	ND	16	ug/Kg	09/22/06		MH	SW8081
Aldrin	ND	7	ug/Kg	09/22/06		MH	SW8081
b-BHC	ND	16	ug/Kg	09/22/06		MH	SW8081
Chlordane	ND	66	ug/Kg	09/22/06		MH	SW8081
d-BHC	ND	16	ug/Kg	09/22/06		MH	SW8081
Dieldrin	ND	7.0	ug/Kg	09/22/06		MH	SW8081
Endosulfan I	ND	16	ug/Kg	09/22/06		MH	SW8081
Endosulfan II	ND	32	ug/Kg	09/22/06		MH	SW8081
Endosulfan sulfate	ND	32	ug/Kg	09/22/06		MH	SW8081

Parameter	Result	RL	Units	Date	Time	By	Reference
Endrin	ND	32	ug/Kg	09/22/06		MH	SW8081
Endrin aldehyde	ND	32	ug/Kg	09/22/06		MH	SW8081
Endrin ketone	ND	32	ug/Kg	09/22/06		MH	SW8081
g-BHC	ND	16	ug/Kg	09/22/06		MH	SW8081
Heptachlor	ND	13	ug/Kg	09/22/06		MH	SW8081
Heptachlor epoxide	ND	16	ug/Kg	09/22/06		MH	SW8081
Methoxychlor	ND	160	ug/Kg	09/22/06		MH	SW8081
Toxaphene	ND	160	ug/Kg	09/22/06		MH	SW8081
QA/QC Surrogates							
% DCBP (Surrogate Rec)	68		%	09/22/06		MH	SW8081
% TCMX (Surrogate Rec)	76		%	09/22/06		MH	SW8081
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	1.0	ug/L	09/27/06		KCA	SW8151
2,4-D	ND	5.0	ug/L	09/27/06		KCA	SW8151
QA/QC Surrogates							
% DCAA (Surrogate Rec)	119		%	09/27/06		KCA	SW8151
TCLP Pesticides							
4,4' -DDD	ND	0.1	ug/L	09/25/06		MH	SW 8081
4,4' -DDE	ND	0.1	ug/L	09/25/06		MH	SW 8081
4,4' -DDT	ND	0.1	ug/L	09/25/06		MH	SW 8081
a-BHC	ND	0.05	ug/L	09/25/06		MH	SW 8081
Aldrin	ND	0.05	ug/L	09/25/06		MH	SW 8081
b-BHC	ND	0.05	ug/L	09/25/06		MH	SW 8081
Chlordane	ND	0.3	ug/L	09/25/06		MH	SW 8081
d-BHC	ND	0.05	ug/L	09/25/06		MH	SW 8081
Dieldrin	ND	0.1	ug/L	09/25/06		MH	SW 8081
Endosulfan I	ND	0.05	ug/L	09/25/06		MH	SW 8081
Endosulfan II	ND	0.1	ug/L	09/25/06		MH	SW 8081
Endosulfan Sulfate	ND	0.1	ug/L	09/25/06		MH	SW 8081
Endrin	ND	0.1	ug/L	09/25/06		MH	SW 8081
Endrin Aldehyde	ND	0.1	ug/L	09/25/06		MH	SW 8081
g-BHC (Lindane)	ND	0.05	ug/L	09/25/06		MH	SW 8081
Heptachlor	ND	0.05	ug/L	09/25/06		MH	SW 8081
Heptachlor epoxide	ND	0.05	ug/L	09/25/06		MH	SW 8081
Methoxychlor	ND	0.2	ug/L	09/25/06		MH	SW 8081
Toxaphene	ND	1.0	ug/L	09/25/06		MH	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	122		%	09/25/06		MH	SW 8081
%TCMX (Surrogate Rec)	109		%	09/25/06		MH	SW 8081
TCLP Volatiles							
1,1-Dichloroethylene	ND	50	ug/L	09/25/06		RJ	SW 8260

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Parameter	Result	RL	Units	Date	Time	By	Reference
1,2-Dichloroethane	ND	50	ug/L	09/25/06		R/J	SW 8260
Benzene	ND	50	ug/L	09/25/06		R/J	SW 8260
Carbon tetrachloride	ND	50	ug/L	09/25/06		R/J	SW 8260
Chlorobenzene	ND	50	ug/L	09/25/06		R/J	SW 8260
Chloroform	ND	50	ug/L	09/25/06		R/J	SW 8260
Methyl ethyl ketone	ND	50	ug/L	09/25/06		R/J	SW 8260
Tetrachloroethene	ND	50	ug/L	09/25/06		R/J	SW 8260
Trichloroethene	ND	50	ug/L	09/25/06		R/J	SW 8260
Vinyl chloride	ND	50	ug/L	09/25/06		R/J	SW 8260
QA/QC Surrogates							
%4-Bromofluorobenzene (Surrogate)	97		%	09/25/06		R/J	SW 8260
Volatiles							
1,1,1,2-Tetrachloroethane	ND	2.3	ug/Kg	09/22/06		R/J	SW8260
1,1,1-Trichloroethane	ND	2.3	ug/Kg	09/22/06		R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	2.3	ug/Kg	09/22/06		R/J	SW8260
1,1,2-Trichloroethane	ND	2.3	ug/Kg	09/22/06		R/J	SW8260
1,1-Dichloroethane	ND	2.3	ug/Kg	09/22/06		R/J	SW8260
1,1-Dichloroethene	ND	2.3	ug/Kg	09/22/06		R/J	SW8260
1,1-Dichloropropene	ND	2.3	ug/Kg	09/22/06		R/J	SW8260
1,2,3-Trichlorobenzene	ND	2.3	ug/Kg	09/22/06		R/J	SW8260
1,2,3-Trichloropropane	ND	2.3	ug/Kg	09/22/06		R/J	SW8260
1,2,4-Trichlorobenzene	ND	2.3	ug/Kg	09/22/06		R/J	SW8260
1,2,4-Trimethylbenzene	ND	2.3	ug/Kg	09/22/06		R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	2.3	ug/Kg	09/22/06		R/J	SW8260
1,2-Dichlorobenzene	ND	2.3	ug/Kg	09/22/06		R/J	SW8260
1,2-Dichloroethane	ND	2.3	ug/Kg	09/22/06		R/J	SW8260
1,2-Dichloropropane	ND	2.3	ug/Kg	09/22/06		R/J	SW8260
1,3,5-Trimethylbenzene	ND	2.3	ug/Kg	09/22/06		R/J	SW8260
1,3-Dichlorobenzene	ND	2.3	ug/Kg	09/22/06		R/J	SW8260
1,3-Dichloropropane	ND	2.3	ug/Kg	09/22/06		R/J	SW8260
1,4-Dichlorobenzene	ND	2.3	ug/Kg	09/22/06		R/J	SW8260
2,2-Dichloropropane	ND	2.3	ug/Kg	09/22/06		R/J	SW8260
2-Chlorotoluene	ND	2.3	ug/Kg	09/22/06		R/J	SW8260
2-Hexanone	ND	12	ug/Kg	09/22/06		R/J	SW8260
2-Isopropyltoluene	ND	2.3	ug/Kg	09/22/06		R/J	SW8260
4-Chlorotoluene	ND	2.3	ug/Kg	09/22/06		R/J	SW8260
4-Methyl-2-pentanone	ND	12	ug/Kg	09/22/06		R/J	SW8260
Acetone	18	12	ug/Kg	09/22/06		R/J	SW8260
Acrylonitrile	ND	4.6	ug/Kg	09/22/06		R/J	SW8260
Benzene	ND	2.3	ug/Kg	09/22/06		R/J	SW8260
Bromobenzene	ND	2.3	ug/Kg	09/22/06		R/J	SW8260
Bromochloromethane	ND	2.3	ug/Kg	09/22/06		R/J	SW8260
Bromodichloromethane	ND	2.3	ug/Kg	09/22/06		R/J	SW8260

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Parameter	Result	RL	Units	Date	Time	By	Reference
Bromoform	ND	2.3	ug/Kg	09/22/06		R/J	SW8260
Bromomethane	ND	2.3	ug/Kg	09/22/06		R/J	SW8260
Carbon Disulfide	ND	2.3	ug/Kg	09/22/06		R/J	SW8260
Carbon tetrachloride	ND	2.3	ug/Kg	09/22/06		R/J	SW8260
Chlorobenzene	ND	2.3	ug/Kg	09/22/06		R/J	SW8260
Chloroethane	ND	2.3	ug/Kg	09/22/06		R/J	SW8260
Chloroform	ND	2.3	ug/Kg	09/22/06		R/J	SW8260
Chloromethane	ND	2.3	ug/Kg	09/22/06		R/J	SW8260
cis-1,2-Dichloroethene	ND	2.3	ug/Kg	09/22/06		R/J	SW8260
cis-1,3-Dichloropropene	ND	2.3	ug/Kg	09/22/06		R/J	SW8260
Dibromochloromethane	ND	2.3	ug/Kg	09/22/06		R/J	SW8260
Dibromoethane	ND	2.3	ug/Kg	09/22/06		R/J	SW8260
Dibromomethane	ND	2.3	ug/Kg	09/22/06		R/J	SW8260
Dichlorodifluoromethane	ND	2.3	ug/Kg	09/22/06		R/J	SW8260
Ethylbenzene	ND	2.3	ug/Kg	09/22/06		R/J	SW8260
Hexachlorobutadiene	ND	2.3	ug/Kg	09/22/06		R/J	SW8260
Isopropylbenzene	ND	2.3	ug/Kg	09/22/06		R/J	SW8260
m&p-Xylene	ND	2.3	ug/Kg	09/22/06		R/J	SW8260
Methyl Ethyl Ketone	ND	14	ug/Kg	09/22/06		R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	4.6	ug/Kg	09/22/06		R/J	SW8260
Methylene chloride	ND	2.3	ug/Kg	09/22/06		R/J	SW8260
n-Butylbenzene	ND	2.3	ug/Kg	09/22/06		R/J	SW8260
n-Propylbenzene	ND	2.3	ug/Kg	09/22/06		R/J	SW8260
Naphthalene	ND	2.3	ug/Kg	09/22/06		R/J	SW8260
o-Xylene	ND	2.3	ug/Kg	09/22/06		R/J	SW8260
p-Isopropyltoluene	ND	2.3	ug/Kg	09/22/06		R/J	SW8260
sec-Butylbenzene	ND	2.3	ug/Kg	09/22/06		R/J	SW8260
Styrene	ND	2.3	ug/Kg	09/22/06		R/J	SW8260
tert-Butylbenzene	ND	2.3	ug/Kg	09/22/06		R/J	SW8260
Tetrachloroethene	ND	2.3	ug/Kg	09/22/06		R/J	SW8260
Tetrahydrofuran (THF)	ND	4.6	ug/Kg	09/22/06		R/J	SW8260
Toluene	ND	2.3	ug/Kg	09/22/06		R/J	SW8260
Total Xylenes	ND	2.3	ug/Kg	09/22/06		R/J	SW8260
trans-1,2-Dichloroethene	ND	2.3	ug/Kg	09/22/06		R/J	SW8260
trans-1,3-Dichloropropene	ND	2.3	ug/Kg	09/22/06		R/J	SW8260
trans-1,4-dichloro-2-butene	ND	4.6	ug/Kg	09/22/06		R/J	SW8260
Trichloroethene	ND	2.3	ug/Kg	09/22/06		R/J	SW8260
Trichlorofluoromethane	ND	2.3	ug/Kg	09/22/06		R/J	SW8260
Trichlorotrifluoroethane	ND	2.3	ug/Kg	09/22/06		R/J	SW8260
Vinyl chloride	ND	2.3	ug/Kg	09/22/06		R/J	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	104		%	09/22/06		R/J	SW8260
% Bromofluorobenzene	101		%	09/22/06		R/J	SW8260
% Dibromofluoromethane	117		%	09/22/06		R/J	SW8260

Parameter	Result	RL	Units	Date	Time	By	Reference
% Toluene-d8	97		%	09/22/06		R/J	SW8260
TCLP Acid/Base-Neutral							
1,4-Dichlorobenzene	ND	100	ug/L	09/25/06		KCA	SW 8270
2,4,5-Trichlorophenol	ND	100	ug/L	09/25/06		KCA	SW 8270
2,4,6-Trichlorophenol	ND	100	ug/L	09/25/06		KCA	SW 8270
2,4-Dinitrotoluene	ND	100	ug/L	09/25/06		KCA	SW 8270
2-Methylphenol (o-cresol)	ND	100	ug/L	09/25/06		KCA	SW 8270
3&4-Methylphenol (m&p-Cresol)	ND	100	ug/L	09/25/06		KCA	SW 8270
Hexachlorobenzene	ND	100	ug/L	09/25/06		KCA	SW 8270
Hexachlorobutadiene	ND	100	ug/L	09/25/06		KCA	SW 8270
Hexachloroethane	ND	100	ug/L	09/25/06		KCA	SW 8270
Nitrobenzene	ND	100	ug/L	09/25/06		KCA	SW 8270
Pentachlorophenol	ND	500	ug/L	09/25/06		KCA	SW 8270
Pyridine	ND	100	ug/L	09/25/06		KCA	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	108		%	09/25/06		KCA	SW 8270
% 2-Fluorobiphenyl	96		%	09/25/06		KCA	SW 8270
% 2-Fluorophenol	73		%	09/25/06		KCA	SW 8270
% Nitrobenzene-d5	96		%	09/25/06		KCA	SW 8270
% Phenol-d5	68		%	09/25/06		KCA	SW 8270
% Terphenyl-d14	112		%	09/25/06		KCA	SW 8270
Semivolatiles							
1,2,4-Trichlorobenzene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
1,2-Dichlorobenzene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
1,2-Diphenylhydrazine	ND	350	ug/Kg	09/22/06		KCA	SW 8270
1,3-Dichlorobenzene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
1,4-Dichlorobenzene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
2,4,5-Trichlorophenol	ND	350	ug/Kg	09/22/06		KCA	SW 8270
2,4,6-Trichlorophenol	ND	350	ug/Kg	09/22/06		KCA	SW 8270
2,4-Dichlorophenol	ND	350	ug/Kg	09/22/06		KCA	SW 8270
2,4-Dimethylphenol	ND	350	ug/Kg	09/22/06		KCA	SW 8270
2,4-Dinitrophenol	ND	1000	ug/Kg	09/22/06		KCA	SW 8270
2,4-Dinitrotoluene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
2,6-Dichlorophenol	ND	350	ug/Kg	09/22/06		KCA	SW 8270
2,6-Dinitrotoluene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
2-Chloronaphthalene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
2-Chlorophenol	ND	350	ug/Kg	09/22/06		KCA	SW 8270
2-Methylnaphthalene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
2-Methylphenol (o-cresol)	ND	350	ug/Kg	09/22/06		KCA	SW 8270
2-Nitroaniline	ND	1000	ug/Kg	09/22/06		KCA	SW 8270
2-Nitrophenol	ND	350	ug/Kg	09/22/06		KCA	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	350	ug/Kg	09/22/06		KCA	SW 8270

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Parameter	Result	RL	Units	Date	Time	By	Reference
3,3'-Dichlorobenzidine	ND	420	ug/Kg	09/22/06		KCA	SW 8270
3-Nitroaniline	ND	1000	ug/Kg	09/22/06		KCA	SW 8270
4,6-Dinitro-2-methylphenol	ND	1000	ug/Kg	09/22/06		KCA	SW 8270
4-Bromophenyl phenyl ether	ND	350	ug/Kg	09/22/06		KCA	SW 8270
4-Chloro-3-methylphenol	ND	420	ug/Kg	09/22/06		KCA	SW 8270
4-Chloroaniline	ND	420	ug/Kg	09/22/06		KCA	SW 8270
4-Chlorophenyl phenyl ether	ND	350	ug/Kg	09/22/06		KCA	SW 8270
4-Nitroaniline	ND	1000	ug/Kg	09/22/06		KCA	SW 8270
4-Nitrophenol	ND	1000	ug/Kg	09/22/06		KCA	SW 8270
Acenaphthene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Acenaphthylene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Anthracene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Benz(a)anthracene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Benzidine	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Benzo(a)pyrene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Benzo(b)fluoranthene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Benzo(ghi)perylene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Benzo(k)fluoranthene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Benzoic acid	ND	1000	ug/Kg	09/22/06		KCA	SW 8270
Benzyl alcohol	ND	420	ug/Kg	09/22/06		KCA	SW 8270
Benzyl butyl phthalate	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Bis(2-chloroethoxy)methane	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Bis(2-chloroethyl)ether	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Bis(2-chloroisopropyl)ether	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Bis(2-ethylhexyl)phthalate	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Chrysene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Di-n-butylphthalate	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Di-n-octylphthalate	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Dibenz(a,h)anthracene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Dibenzofuran	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Diethyl phthalate	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Dimethylphthalate	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Fluoranthene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Fluorene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Hexachlorobenzene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Hexachlorobutadiene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Hexachlorocyclopentadiene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Hexachloroethane	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Indeno(1,2,3-cd)pyrene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Isophorone	ND	350	ug/Kg	09/22/06		KCA	SW 8270
N-Nitrosodi-n-propylamine	ND	350	ug/Kg	09/22/06		KCA	SW 8270
N-Nitrosodimethylamine	ND	350	ug/Kg	09/22/06		KCA	SW 8270
N-Nitrosodiphenylamine	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Naphthalene	ND	350	ug/Kg	09/22/06		KCA	SW 8270

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Parameter	Result	RL	Units	Date	Time	By	Reference
Nitrobenzene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Pentachlorophenol	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Phenanthrene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Phenol	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Pyrene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Pyridine	ND	350	ug/Kg	09/22/06		KCA	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	87		%	09/22/06		KCA	SW 8270
% 2-Fluorobiphenyl	78		%	09/22/06		KCA	SW 8270
% 2-Fluorophenol	74		%	09/22/06		KCA	SW 8270
% Nitrobenzene-d5	81		%	09/22/06		KCA	SW 8270
% Phenol-d5	83		%	09/22/06		KCA	SW 8270
% Terphenyl-d14	90		%	09/22/06		KCA	SW 8270

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Limit RL=Reporting Limit

Phyllis Shiller, Laboratory Director
December 06, 2006

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH

Analysis Report

December 06, 2006

FOR: Attn: Mr. Jon Simpson
Charter Environmental Inc
72 Jonspin Road
Wilmington, MA 01887

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		09/20/06	14:15
Location Code:	CHARTER	Received by:	SW	09/21/06	15:15
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20331				

SDG I.D.: GAH53190
Phoenix I.D.: AH53193

Laboratory Data

Client ID: WYANDANCH N-15

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.5	0.5	mg/Kg	09/23/06		EK	SW6010
Arsenic	< 1	1	mg/Kg	09/23/06		EK	SW6010
Barium	70.8	0.5	mg/Kg	09/23/06		EK	SW6010
Beryllium	< 0.4	0.4	mg/Kg	09/23/06		EK	SW6010
Cadmium	< 0.5	0.5	mg/Kg	09/23/06		EK	SW6010
Chromium	680	5	mg/Kg	09/27/06		EK	SW6010
Copper	242	5	mg/Kg	09/27/06		EK	SW6010
Mercury - Soil	< 0.10	0.10	mg/kg	09/22/06		RS	SW-7471
Nickel	498	5	mg/Kg	09/27/06		EK	SW6010
Lead	27.9	0.5	mg/Kg	09/23/06		EK	SW6010
Antimony	< 5	5	mg/Kg	09/23/06		EK	SW6010
Selenium	< 2.5	2.5	mg/Kg	09/23/06		EK	SW6010
TCLP Silver	< 0.01	0.01	mg/L	09/23/06		EK	E1311/SW6010
TCLP Arsenic	< 0.01	0.01	mg/L	09/23/06		EK	E1311/SW6010
TCLP Barium	1.61	0.01	mg/L	09/23/06		EK	E1311/SW6010
TCLP Cadmium	< 0.005	0.005	mg/L	09/23/06		EK	E1311/SW6010
TCLP Chromium	0.27	0.01	mg/L	09/23/06		EK	E1311/SW6010
TCLP Lead	0.06	0.015	mg/L	09/23/06		EK	SW1311/6010
TCLP Selenium	< 0.05	0.05	mg/L	09/23/06		EK	E1311/SW6010
TCLP Mercury	< 0.001	0.001	mg/L	09/26/06		RS	E1311/E245.1
Thallium	< 2	2	mg/Kg	09/23/06		EK	SW6010
Vanadium	6.11	0.5	mg/Kg	09/23/06		EK	6010
Zinc	136	0.5	mg/Kg	09/23/06		EK	SW6010
Percent Solid	91		%	09/22/06		C/D	E160.3

Client ID: WYANDANCH N-15 Phoenix I.D.: AH53193

Parameter	Result	RL	Units	Date	Time	By	Reference
Chromium, Hexavalent	11.45	0.49	mg/Kg	12/04/06		CL	SW3060/7196
Tot.Org.Carbon	3290	100	mg/kg	09/29/06		OL	EPA Kahn 6/99
Field Extraction	Completed			09/20/06		SCOTT	SW5035
Mercury Digestion	Completed			09/22/06		D	SW7471
Sieve Test	Completed			10/09/06		OL	ASTM
Soil Extraction for PCB	Completed			09/21/06		C/S/E	SW3545
Soil Ext. for Pesticide	Completed			09/21/06		C/S/E	3545
Soil Ext. for Semi- Vol	Completed			09/21/06		C/S/E	SW3545
TCLP Digestion Mercury	Completed			09/26/06		D	E1311/7470
TCLP Herbicides Extraction	Completed			09/22/06		O/E	SW8150 Mod
TCLP Extraction for Metals	Completed			09/21/06		D	EPA 1311
TCLP Extraction for Organics	Completed			09/21/06		D	1311
TCLP Pesticides Extraction	Completed			09/22/06		O	SW3510/3520
TCLP Semi-Volatile Extraction	Completed			09/22/06		O/K	SW3510/3520
TCLP Extraction Volatiles.	Completed			09/21/06		D	EPA 1311
Total Metals Digest	Completed			09/21/06		AG	SW846 - 3050
TCLP Metals Digestion	Completed			09/22/06		D	SW846 - 3005
Polychlorinated Biphenyls							
PCB-1016	ND	400	ug/Kg	09/22/06		MH	SW 8082
PCB-1221	ND	400	ug/Kg	09/22/06		MH	SW 8082
PCB-1232	ND	400	ug/Kg	09/22/06		MH	SW 8082
PCB-1242	ND	400	ug/Kg	09/22/06		MH	SW 8082
PCB-1248	ND	400	ug/Kg	09/22/06		MH	SW 8082
PCB-1254	ND	400	ug/Kg	09/22/06		MH	SW 8082
PCB-1260	ND	400	ug/Kg	09/22/06		MH	SW 8082
PCB-1262	ND	400	ug/Kg	09/22/06		MH	SW 8082
PCB-1268	ND	400	ug/Kg	09/22/06		MH	SW 8082
QA/QC Surrogates							
% DCBP (Surrogate Rec)	101		%	09/22/06		MH	SW 8082
% TCMX (Surrogate Rec)	103		%	09/22/06		MH	SW 8082
Pesticides - Soil							
4,4' -DDD	ND	32	ug/Kg	09/22/06		MH	SW8081
4,4' -DDE	ND	32	ug/Kg	09/22/06		MH	SW8081
4,4' -DDT	ND	32	ug/Kg	09/22/06		MH	SW8081
a-BHC	ND	16	ug/Kg	09/22/06		MH	SW8081
Aldrin	ND	7	ug/Kg	09/22/06		MH	SW8081
b-BHC	ND	16	ug/Kg	09/22/06		MH	SW8081
Chlordane	ND	66	ug/Kg	09/22/06		MH	SW8081
d-BHC	ND	16	ug/Kg	09/22/06		MH	SW8081
Dieldrin	ND	7.0	ug/Kg	09/22/06		MH	SW8081
Endosulfan I	ND	16	ug/Kg	09/22/06		MH	SW8081
Endosulfan II	ND	32	ug/Kg	09/22/06		MH	SW8081
Endosulfan sulfate	ND	32	ug/Kg	09/22/06		MH	SW8081

Parameter	Result	RL	Units	Date	Time	By	Reference
Endrin	ND	32	ug/Kg	09/22/06		MH	SW8081
Endrin aldehyde	ND	32	ug/Kg	09/22/06		MH	SW8081
Endrin ketone	ND	32	ug/Kg	09/22/06		MH	SW8081
g-BHC	ND	16	ug/Kg	09/22/06		MH	SW8081
Heptachlor	ND	13	ug/Kg	09/22/06		MH	SW8081
Heptachlor epoxide	ND	16	ug/Kg	09/22/06		MH	SW8081
Methoxychlor	ND	160	ug/Kg	09/22/06		MH	SW8081
Toxaphene	ND	160	ug/Kg	09/22/06		MH	SW8081
QA/QC Surrogates							
% DCBP (Surrogate Rec)	74		%	09/22/06		MH	SW8081
% TCMX (Surrogate Rec)	90		%	09/22/06		MH	SW8081
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	1.0	ug/L	09/27/06		KCA	SW8151
2,4-D	ND	5.0	ug/L	09/27/06		KCA	SW8151
QA/QC Surrogates							
% DCAA (Surrogate Rec)	131		%	09/27/06		KCA	SW8151
TCLP Pesticides							
4,4' -DDD	ND	0.1	ug/L	09/25/06		MH	SW 8081
4,4' -DDE	ND	0.1	ug/L	09/25/06		MH	SW 8081
4,4' -DDT	ND	0.1	ug/L	09/25/06		MH	SW 8081
a-BHC	ND	0.05	ug/L	09/25/06		MH	SW 8081
Aldrin	ND	0.05	ug/L	09/25/06		MH	SW 8081
b-BHC	ND	0.05	ug/L	09/25/06		MH	SW 8081
Chlordane	ND	0.3	ug/L	09/25/06		MH	SW 8081
d-BHC	ND	0.05	ug/L	09/25/06		MH	SW 8081
Dieldrin	ND	0.1	ug/L	09/25/06		MH	SW 8081
Endosulfan I	ND	0.05	ug/L	09/25/06		MH	SW 8081
Endosulfan II	ND	0.1	ug/L	09/25/06		MH	SW 8081
Endosulfan Sulfate	ND	0.1	ug/L	09/25/06		MH	SW 8081
Endrin	ND	0.1	ug/L	09/25/06		MH	SW 8081
Endrin Aldehyde	ND	0.1	ug/L	09/25/06		MH	SW 8081
g-BHC (Lindane)	ND	0.05	ug/L	09/25/06		MH	SW 8081
Heptachlor	ND	0.05	ug/L	09/25/06		MH	SW 8081
Heptachlor epoxide	ND	0.05	ug/L	09/25/06		MH	SW 8081
Methoxychlor	ND	0.2	ug/L	09/25/06		MH	SW 8081
Toxaphene	ND	1.0	ug/L	09/25/06		MH	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	107		%	09/25/06		MH	SW 8081
%TCMX (Surrogate Rec)	81		%	09/25/06		MH	SW 8081
TCLP Volatiles							
1,1-Dichloroethylene	ND	50	ug/L	09/25/06		R/J	SW 8260

Parameter	Result	RL	Units	Date	Time	By	Reference
1,2-Dichloroethane	ND	50	ug/L	09/25/06		R/J	SW 8260
Benzene	ND	50	ug/L	09/25/06		R/J	SW 8260
Carbon tetrachloride	ND	50	ug/L	09/25/06		R/J	SW 8260
Chlorobenzene	ND	50	ug/L	09/25/06		R/J	SW 8260
Chloroform	ND	50	ug/L	09/25/06		R/J	SW 8260
Methyl ethyl ketone	ND	50	ug/L	09/25/06		R/J	SW 8260
Tetrachloroethene	ND	50	ug/L	09/25/06		R/J	SW 8260
Trichloroethene	ND	50	ug/L	09/25/06		R/J	SW 8260
Vinyl chloride	ND	50	ug/L	09/25/06		R/J	SW 8260
QA/QC Surrogates							
%4-Bromofluorobenzene (Surrogate)	99		%	09/25/06		R/J	SW 8260
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5	ug/Kg	09/23/06		R/J	SW8260
1,1,1-Trichloroethane	ND	5	ug/Kg	09/23/06		R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	5	ug/Kg	09/23/06		R/J	SW8260
1,1,2-Trichloroethane	ND	5	ug/Kg	09/23/06		R/J	SW8260
1,1-Dichloroethane	ND	5	ug/Kg	09/23/06		R/J	SW8260
1,1-Dichloroethene	ND	5	ug/Kg	09/23/06		R/J	SW8260
1,1-Dichloropropene	ND	5	ug/Kg	09/23/06		R/J	SW8260
1,2,3-Trichlorobenzene	ND	5	ug/Kg	09/23/06		R/J	SW8260
1,2,3-Trichloropropane	ND	5	ug/Kg	09/23/06		R/J	SW8260
1,2,4-Trichlorobenzene	ND	5	ug/Kg	09/23/06		R/J	SW8260
1,2,4-Trimethylbenzene	ND	5	ug/Kg	09/23/06		R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	5	ug/Kg	09/23/06		R/J	SW8260
1,2-Dichlorobenzene	ND	5	ug/Kg	09/23/06		R/J	SW8260
1,2-Dichloroethane	ND	5	ug/Kg	09/23/06		R/J	SW8260
1,2-Dichloropropane	ND	5	ug/Kg	09/23/06		R/J	SW8260
1,3,5-Trimethylbenzene	ND	5	ug/Kg	09/23/06		R/J	SW8260
1,3-Dichlorobenzene	ND	5	ug/Kg	09/23/06		R/J	SW8260
1,3-Dichloropropane	ND	5	ug/Kg	09/23/06		R/J	SW8260
1,4-Dichlorobenzene	ND	5	ug/Kg	09/23/06		R/J	SW8260
2,2-Dichloropropane	ND	5	ug/Kg	09/23/06		R/J	SW8260
2-Chlorotoluene	ND	5	ug/Kg	09/23/06		R/J	SW8260
2-Hexanone	ND	25	ug/Kg	09/23/06		R/J	SW8260
2-Isopropyltoluene	ND	5	ug/Kg	09/23/06		R/J	SW8260
4-Chlorotoluene	ND	5	ug/Kg	09/23/06		R/J	SW8260
4-Methyl-2-pentanone	ND	25	ug/Kg	09/23/06		R/J	SW8260
Acetone	ND	25	ug/Kg	09/23/06		R/J	SW8260
Acrylonitrile	ND	10	ug/Kg	09/23/06		R/J	SW8260
Benzene	ND	5	ug/Kg	09/23/06		R/J	SW8260
Bromobenzene	ND	5	ug/Kg	09/23/06		R/J	SW8260
Bromochloromethane	ND	5	ug/Kg	09/23/06		R/J	SW8260
Bromodichloromethane	ND	5	ug/Kg	09/23/06		R/J	SW8260

Client ID: WYANDANCH N-15 Phoenix I.D.: AH53193

Parameter	Result	RL	Units	Date	Time	By	Reference
Bromoform	ND	5	ug/Kg	09/23/06		R/J	SW8260
Bromomethane	ND	5	ug/Kg	09/23/06		R/J	SW8260
Carbon Disulfide	ND	5	ug/Kg	09/23/06		R/J	SW8260
Carbon tetrachloride	ND	5	ug/Kg	09/23/06		R/J	SW8260
Chlorobenzene	ND	5	ug/Kg	09/23/06		R/J	SW8260
Chloroethane	ND	5	ug/Kg	09/23/06		R/J	SW8260
Chloroform	ND	5	ug/Kg	09/23/06		R/J	SW8260
Chloromethane	ND	5	ug/Kg	09/23/06		R/J	SW8260
cis-1,2-Dichloroethene	ND	5	ug/Kg	09/23/06		R/J	SW8260
cis-1,3-Dichloropropene	ND	5	ug/Kg	09/23/06		R/J	SW8260
Dibromochloromethane	ND	5	ug/Kg	09/23/06		R/J	SW8260
Dibromoethane	ND	5	ug/Kg	09/23/06		R/J	SW8260
Dibromomethane	ND	5	ug/Kg	09/23/06		R/J	SW8260
Dichlorodifluoromethane	ND	5	ug/Kg	09/23/06		R/J	SW8260
Ethylbenzene	ND	5	ug/Kg	09/23/06		R/J	SW8260
Hexachlorobutadiene	ND	5	ug/Kg	09/23/06		R/J	SW8260
Isopropylbenzene	ND	5	ug/Kg	09/23/06		R/J	SW8260
m&p-Xylene	ND	5	ug/Kg	09/23/06		R/J	SW8260
Methyl Ethyl Ketone	ND	30	ug/Kg	09/23/06		R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	10	ug/Kg	09/23/06		R/J	SW8260
Methylene chloride	ND	10	ug/Kg	09/23/06		R/J	SW8260
n-Butylbenzene	ND	5	ug/Kg	09/23/06		R/J	SW8260
n-Propylbenzene	ND	5	ug/Kg	09/23/06		R/J	SW8260
Naphthalene	ND	5	ug/Kg	09/23/06		R/J	SW8260
o-Xylene	ND	5	ug/Kg	09/23/06		R/J	SW8260
p-Isopropyltoluene	ND	5	ug/Kg	09/23/06		R/J	SW8260
sec-Butylbenzene	ND	5	ug/Kg	09/23/06		R/J	SW8260
Styrene	ND	5	ug/Kg	09/23/06		R/J	SW8260
tert-Butylbenzene	ND	5	ug/Kg	09/23/06		R/J	SW8260
Tetrachloroethene	ND	5	ug/Kg	09/23/06		R/J	SW8260
Tetrahydrofuran (THF)	ND	10	ug/Kg	09/23/06		R/J	SW8260
Toluene	ND	5	ug/Kg	09/23/06		R/J	SW8260
Total Xylenes	ND	5	ug/Kg	09/23/06		R/J	SW8260
trans-1,2-Dichloroethene	ND	5	ug/Kg	09/23/06		R/J	SW8260
trans-1,3-Dichloropropene	ND	5	ug/Kg	09/23/06		R/J	SW8260
trans-1,4-dichloro-2-butene	ND	10	ug/Kg	09/23/06		R/J	SW8260
Trichloroethene	ND	5	ug/Kg	09/23/06		R/J	SW8260
Trichlorofluoromethane	ND	5	ug/Kg	09/23/06		R/J	SW8260
Trichlorotrifluoroethane	ND	5	ug/Kg	09/23/06		R/J	SW8260
Vinyl chloride	ND	5	ug/Kg	09/23/06		R/J	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	79		%	09/23/06		R/J	SW8260
% Bromofluorobenzene	118		%	09/23/06		R/J	SW8260
% Dibromofluoromethane	113		%	09/23/06		R/J	SW8260

Client ID: WYANDANCH N-15 Phoenix I.D.: AH53193

Parameter	Result	RL	Units	Date	Time	By	Reference
% Toluene-d8	108		%	09/23/06		R/J	SW8260
TCLP Acid/Base-Neutral							
1,4-Dichlorobenzene	ND	100	ug/L	09/25/06		KCA	SW 8270
2,4,5-Trichlorophenol	ND	100	ug/L	09/25/06		KCA	SW 8270
2,4,6-Trichlorophenol	ND	100	ug/L	09/25/06		KCA	SW 8270
2,4-Dinitrotoluene	ND	100	ug/L	09/25/06		KCA	SW 8270
2-Methylphenol (o-cresol)	ND	100	ug/L	09/25/06		KCA	SW 8270
3&4-Methylphenol (m&p-Cresol)	ND	100	ug/L	09/25/06		KCA	SW 8270
Hexachlorobenzene	ND	100	ug/L	09/25/06		KCA	SW 8270
Hexachlorobutadiene	ND	100	ug/L	09/25/06		KCA	SW 8270
Hexachloroethane	ND	100	ug/L	09/25/06		KCA	SW 8270
Nitrobenzene	ND	100	ug/L	09/25/06		KCA	SW 8270
Pentachlorophenol	ND	500	ug/L	09/25/06		KCA	SW 8270
Pyridine	ND	100	ug/L	09/25/06		KCA	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	96		%	09/25/06		KCA	SW 8270
% 2-Fluorobiphenyl	90		%	09/25/06		KCA	SW 8270
% 2-Fluorophenol	72		%	09/25/06		KCA	SW 8270
% Nitrobenzene-d5	91		%	09/25/06		KCA	SW 8270
% Phenol-d5	76		%	09/25/06		KCA	SW 8270
% Terphenyl-d14	110		%	09/25/06		KCA	SW 8270
Semivolatiles							
1,2,4-Trichlorobenzene	ND	360	ug/Kg	09/22/06		KCA	SW 8270
1,2-Dichlorobenzene	ND	360	ug/Kg	09/22/06		KCA	SW 8270
1,2-Diphenylhydrazine	ND	360	ug/Kg	09/22/06		KCA	SW 8270
1,3-Dichlorobenzene	ND	360	ug/Kg	09/22/06		KCA	SW 8270
1,4-Dichlorobenzene	ND	360	ug/Kg	09/22/06		KCA	SW 8270
2,4,5-Trichlorophenol	ND	360	ug/Kg	09/22/06		KCA	SW 8270
2,4,6-Trichlorophenol	ND	360	ug/Kg	09/22/06		KCA	SW 8270
2,4-Dichlorophenol	ND	360	ug/Kg	09/22/06		KCA	SW 8270
2,4-Dimethylphenol	ND	360	ug/Kg	09/22/06		KCA	SW 8270
2,4-Dinitrophenol	ND	1000	ug/Kg	09/22/06		KCA	SW 8270
2,4-Dinitrotoluene	ND	360	ug/Kg	09/22/06		KCA	SW 8270
2,6-Dichlorophenol	ND	360	ug/Kg	09/22/06		KCA	SW 8270
2,6-Dinitrotoluene	ND	360	ug/Kg	09/22/06		KCA	SW 8270
2-Chloronaphthalene	ND	360	ug/Kg	09/22/06		KCA	SW 8270
2-Chlorophenol	ND	360	ug/Kg	09/22/06		KCA	SW 8270
2-Methylnaphthalene	ND	360	ug/Kg	09/22/06		KCA	SW 8270
2-Methylphenol (o-cresol)	ND	360	ug/Kg	09/22/06		KCA	SW 8270
2-Nitroaniline	ND	1000	ug/Kg	09/22/06		KCA	SW 8270
2-Nitrophenol	ND	360	ug/Kg	09/22/06		KCA	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	360	ug/Kg	09/22/06		KCA	SW 8270

Client ID: WYANDANCH N-15 Phoenix I.D.: AH53193

Parameter	Result	RL	Units	Date	Time	By	Reference
3,3'-Dichlorobenzidine	ND	430	ug/Kg	09/22/06		KCA	SW 8270
3-Nitroaniline	ND	1000	ug/Kg	09/22/06		KCA	SW 8270
4,6-Dinitro-2-methylphenol	ND	1000	ug/Kg	09/22/06		KCA	SW 8270
4-Bromophenyl phenyl ether	ND	360	ug/Kg	09/22/06		KCA	SW 8270
4-Chloro-3-methylphenol	ND	430	ug/Kg	09/22/06		KCA	SW 8270
4-Chloroaniline	ND	430	ug/Kg	09/22/06		KCA	SW 8270
4-Chlorophenyl phenyl ether	ND	360	ug/Kg	09/22/06		KCA	SW 8270
4-Nitroaniline	ND	1000	ug/Kg	09/22/06		KCA	SW 8270
4-Nitrophenol	ND	1000	ug/Kg	09/22/06		KCA	SW 8270
Acenaphthene	ND	360	ug/Kg	09/22/06		KCA	SW 8270
Acenaphthylene	ND	360	ug/Kg	09/22/06		KCA	SW 8270
Anthracene	ND	360	ug/Kg	09/22/06		KCA	SW 8270
Benz(a)anthracene	ND	360	ug/Kg	09/22/06		KCA	SW 8270
Benzidine	ND	360	ug/Kg	09/22/06		KCA	SW 8270
Benzo(a)pyrene	ND	360	ug/Kg	09/22/06		KCA	SW 8270
Benzo(b)fluoranthene	ND	360	ug/Kg	09/22/06		KCA	SW 8270
Benzo(ghi)perylene	ND	360	ug/Kg	09/22/06		KCA	SW 8270
Benzo(k)fluoranthene	ND	360	ug/Kg	09/22/06		KCA	SW 8270
Benzoic acid	ND	1000	ug/Kg	09/22/06		KCA	SW 8270
Benzyl alcohol	ND	430	ug/Kg	09/22/06		KCA	SW 8270
Benzyl butyl phthalate	ND	360	ug/Kg	09/22/06		KCA	SW 8270
Bis(2-chloroethoxy)methane	ND	360	ug/Kg	09/22/06		KCA	SW 8270
Bis(2-chloroethyl)ether	ND	360	ug/Kg	09/22/06		KCA	SW 8270
Bis(2-chloroisopropyl)ether	ND	360	ug/Kg	09/22/06		KCA	SW 8270
Bis(2-ethylhexyl)phthalate	ND	360	ug/Kg	09/22/06		KCA	SW 8270
Chrysene	ND	360	ug/Kg	09/22/06		KCA	SW 8270
Di-n-butylphthalate	ND	360	ug/Kg	09/22/06		KCA	SW 8270
Di-n-octylphthalate	ND	360	ug/Kg	09/22/06		KCA	SW 8270
Dibenz(a,h)anthracene	ND	360	ug/Kg	09/22/06		KCA	SW 8270
Dibenzofuran	ND	360	ug/Kg	09/22/06		KCA	SW 8270
Diethyl phthalate	ND	360	ug/Kg	09/22/06		KCA	SW 8270
Dimethylphthalate	ND	360	ug/Kg	09/22/06		KCA	SW 8270
Fluoranthene	ND	360	ug/Kg	09/22/06		KCA	SW 8270
Fluorene	ND	360	ug/Kg	09/22/06		KCA	SW 8270
Hexachlorobenzene	ND	360	ug/Kg	09/22/06		KCA	SW 8270
Hexachlorobutadiene	ND	360	ug/Kg	09/22/06		KCA	SW 8270
Hexachlorocyclopentadiene	ND	360	ug/Kg	09/22/06		KCA	SW 8270
Hexachloroethane	ND	360	ug/Kg	09/22/06		KCA	SW 8270
Indeno(1,2,3-cd)pyrene	ND	360	ug/Kg	09/22/06		KCA	SW 8270
Isophorone	ND	360	ug/Kg	09/22/06		KCA	SW 8270
N-Nitrosodi-n-propylamine	ND	360	ug/Kg	09/22/06		KCA	SW 8270
N-Nitrosodimethylamine	ND	360	ug/Kg	09/22/06		KCA	SW 8270
N-Nitrosodiphenylamine	ND	360	ug/Kg	09/22/06		KCA	SW 8270
Naphthalene	ND	360	ug/Kg	09/22/06		KCA	SW 8270

Client ID: WYANDANCH N-15 Phoenix I.D.: AH53193

Parameter	Result	RL	Units	Date	Time	By	Reference
Nitrobenzene	ND	360	ug/Kg	09/22/06		KCA	SW 8270
Pentachlorophenol	ND	360	ug/Kg	09/22/06		KCA	SW 8270
Phenanthrene	ND	360	ug/Kg	09/22/06		KCA	SW 8270
Phenol	ND	360	ug/Kg	09/22/06		KCA	SW 8270
Pyrene	ND	360	ug/Kg	09/22/06		KCA	SW 8270
Pyridine	ND	360	ug/Kg	09/22/06		KCA	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	86		%	09/22/06		KCA	SW 8270
% 2-Fluorobiphenyl	77		%	09/22/06		KCA	SW 8270
% 2-Fluorophenol	75		%	09/22/06		KCA	SW 8270
% Nitrobenzene-d5	81		%	09/22/06		KCA	SW 8270
% Phenol-d5	84		%	09/22/06		KCA	SW 8270
% Terphenyl-d14	91		%	09/22/06		KCA	SW 8270

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Limit RL=Reporting Limit

Phyllis Shiller, Laboratory Director
December 06, 2006

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH

Analysis Report

December 06, 2006

FOR: Attn: Mr. Jon Simpson
Charter Environmental Inc
72 Jonspin Road
Wilmington, MA 01887

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		09/20/06	17:15
Location Code:	CHARTER	Received by:	SW	09/21/06	15:15
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20331				

SDG I.D.: GAH53190
Phoenix I.D.: AH53194

Laboratory Data

Client ID: WYANDANCH NO 12

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.5	0.5	mg/Kg	09/23/06		EK	SW6010
Arsenic	< 1	1	mg/Kg	09/23/06		EK	SW6010
Barium	15.1	0.5	mg/Kg	09/23/06		EK	SW6010
Beryllium	< 0.4	0.4	mg/Kg	09/23/06		EK	SW6010
Cadmium	< 0.5	0.5	mg/Kg	09/23/06		EK	SW6010
Chromium	54.3	0.5	mg/Kg	09/23/06		EK	SW6010
Copper	67.5	0.5	mg/Kg	09/23/06		EK	SW6010
Mercury - Soil	< 0.10	0.10	mg/kg	09/22/06		RS	SW-7471
Nickel	63.5	0.5	mg/Kg	09/23/06		EK	SW6010
Lead	13.4	0.5	mg/Kg	09/23/06		EK	SW6010
Antimony	< 5	5	mg/Kg	09/23/06		EK	SW6010
Selenium	< 2.5	2.5	mg/Kg	09/23/06		EK	SW6010
TCLP Silver	< 0.01	0.01	mg/L	09/23/06		EK	E1311/SW6010
TCLP Arsenic	< 0.01	0.01	mg/L	09/23/06		EK	E1311/SW6010
TCLP Barium	0.372	0.01	mg/L	09/23/06		EK	E1311/SW6010
TCLP Cadmium	< 0.005	0.005	mg/L	09/23/06		EK	E1311/SW6010
TCLP Chromium	0.014	0.01	mg/L	09/23/06		EK	E1311/SW6010
TCLP Lead	0.036	0.015	mg/L	09/23/06		EK	SW1311/6010
TCLP Selenium	< 0.05	0.05	mg/L	09/23/06		EK	E1311/SW6010
TCLP Mercury	< 0.001	0.001	mg/L	09/26/06		RS	E1311/E245.1
Thallium	< 2	2	mg/Kg	09/23/06		EK	SW6010
Vanadium	6.35	0.5	mg/Kg	09/23/06		EK	6010
Zinc	23.8	0.5	mg/Kg	09/23/06		EK	SW6010
Percent Solid	95		%	09/22/06		C/D	E160.3

Client ID: WYANDANCH NO 12 Phoenix I.D.: AH53194

Parameter	Result	RL	Units	Date	Time	By	Reference
Chromium, Hexavalent	0.94	0.47	mg/Kg	12/04/06		CL	SW3060/7196
Tot.Org.Carbon	1600	100	mg/kg	09/29/06		OL	EPA Kahn 6/99
Field Extraction	Completed			09/20/06		SCOTT	SW5035
Mercury Digestion	Completed			09/22/06		D	SW7471
Sieve Test	Completed			10/09/06		OL	ASTM
Soil Extraction for PCB	Completed			09/21/06		C/S/E	SW3545
Soil Ext. for Pesticide	Completed			09/21/06		C/S/E	3545
Soil Ext. for Semi- Vol	Completed			09/21/06		C/S/E	SW3545
TCLP Digestion Mercury	Completed			09/26/06		D	E1311/7470
TCLP Herbicides Extraction	Completed			09/22/06		O/E	SW8150 Mod
TCLP Extraction for Metals	Completed			09/21/06		D	EPA 1311
TCLP Extraction for Organics	Completed			09/21/06		D	1311
TCLP Pesticides Extraction	Completed			09/22/06		O	SW3510/3520
TCLP Semi-Volatile Extraction	Completed			09/22/06		O/K	SW3510/3520
TCLP Extraction Volatiles.	Completed			09/25/06		D	EPA 1311
Total Metals Digest	Completed			09/21/06		AG	SW846 - 3050
TCLP Metals Digestion	Completed			09/22/06		D	SW846 - 3005
Polychlorinated Biphenyls							
PCB-1016	ND	400	ug/Kg	09/22/06		MH	SW 8082
PCB-1221	ND	400	ug/Kg	09/22/06		MH	SW 8082
PCB-1232	ND	400	ug/Kg	09/22/06		MH	SW 8082
PCB-1242	ND	400	ug/Kg	09/22/06		MH	SW 8082
PCB-1248	ND	400	ug/Kg	09/22/06		MH	SW 8082
PCB-1254	ND	400	ug/Kg	09/22/06		MH	SW 8082
PCB-1260	ND	400	ug/Kg	09/22/06		MH	SW 8082
PCB-1262	ND	400	ug/Kg	09/22/06		MH	SW 8082
PCB-1268	ND	400	ug/Kg	09/22/06		MH	SW 8082
QA/QC Surrogates							
% DCBP (Surrogate Rec)	110		%	09/22/06		MH	SW 8082
% TCMX (Surrogate Rec)	110		%	09/22/06		MH	SW 8082
Pesticides - Soil							
4,4' -DDD	ND	32	ug/Kg	09/22/06		MH	SW8081
4,4' -DDE	ND	32	ug/Kg	09/22/06		MH	SW8081
4,4' -DDT	ND	32	ug/Kg	09/22/06		MH	SW8081
a-BHC	ND	16	ug/Kg	09/22/06		MH	SW8081
Aldrin	ND	7	ug/Kg	09/22/06		MH	SW8081
b-BHC	ND	16	ug/Kg	09/22/06		MH	SW8081
Chlordane	ND	66	ug/Kg	09/22/06		MH	SW8081
d-BHC	ND	16	ug/Kg	09/22/06		MH	SW8081
Dieldrin	ND	7.0	ug/Kg	09/22/06		MH	SW8081
Endosulfan I	ND	16	ug/Kg	09/22/06		MH	SW8081
Endosulfan II	ND	32	ug/Kg	09/22/06		MH	SW8081
Endosulfan sulfate	ND	32	ug/Kg	09/22/06		MH	SW8081

Client ID: WYANDANCH NO 12 Phoenix I.D.: AH53194

Parameter	Result	RL	Units	Date	Time	By	Reference
Endrin	ND	32	ug/Kg	09/22/06		MH	SW8081
Endrin aldehyde	ND	32	ug/Kg	09/22/06		MH	SW8081
Endrin ketone	ND	32	ug/Kg	09/22/06		MH	SW8081
g-BHC	ND	16	ug/Kg	09/22/06		MH	SW8081
Heptachlor	ND	13	ug/Kg	09/22/06		MH	SW8081
Heptachlor epoxide	ND	16	ug/Kg	09/22/06		MH	SW8081
Methoxychlor	ND	160	ug/Kg	09/22/06		MH	SW8081
Toxaphene	ND	160	ug/Kg	09/22/06		MH	SW8081
QA/QC Surrogates							
% DCBP (Surrogate Rec)	82		%	09/22/06		MH	SW8081
% TCMX (Surrogate Rec)	91		%	09/22/06		MH	SW8081
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	1.0	ug/L	09/27/06		KCA	SW8151
2,4-D	ND	5.0	ug/L	09/27/06		KCA	SW8151
QA/QC Surrogates							
% DCAA (Surrogate Rec)	40		%	09/27/06		KCA	SW8151
TCLP Pesticides							
4,4' -DDD	ND	0.1	ug/L	09/25/06		MH	SW 8081
4,4' -DDE	ND	0.1	ug/L	09/25/06		MH	SW 8081
4,4' -DDT	ND	0.1	ug/L	09/25/06		MH	SW 8081
a-BHC	ND	0.05	ug/L	09/25/06		MH	SW 8081
Aldrin	ND	0.05	ug/L	09/25/06		MH	SW 8081
b-BHC	ND	0.05	ug/L	09/25/06		MH	SW 8081
Chlordane	ND	0.3	ug/L	09/25/06		MH	SW 8081
d-BHC	ND	0.05	ug/L	09/25/06		MH	SW 8081
Dieldrin	ND	0.1	ug/L	09/25/06		MH	SW 8081
Endosulfan I	ND	0.05	ug/L	09/25/06		MH	SW 8081
Endosulfan II	ND	0.1	ug/L	09/25/06		MH	SW 8081
Endosulfan Sulfate	ND	0.1	ug/L	09/25/06		MH	SW 8081
Endrin	ND	0.1	ug/L	09/25/06		MH	SW 8081
Endrin Aldehyde	ND	0.1	ug/L	09/25/06		MH	SW 8081
g-BHC (Lindane)	ND	0.05	ug/L	09/25/06		MH	SW 8081
Heptachlor	ND	0.05	ug/L	09/25/06		MH	SW 8081
Heptachlor epoxide	ND	0.05	ug/L	09/25/06		MH	SW 8081
Methoxychlor	ND	0.2	ug/L	09/25/06		MH	SW 8081
Toxaphene	ND	1.0	ug/L	09/25/06		MH	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	128		%	09/25/06		MH	SW 8081
%TCMX (Surrogate Rec)	104		%	09/25/06		MH	SW 8081
TCLP Volatiles							
1,1-Dichloroethylene	ND	50	ug/L	09/28/06		RJ	SW 8260

Client ID: WYANDANCH NO 12 Phoenix I.D.: AH53194

Parameter	Result	RL	Units	Date	Time	By	Reference
1,2-Dichloroethane	ND	50	ug/L	09/28/06		R/J	SW 8260
Benzene	ND	50	ug/L	09/28/06		R/J	SW 8260
Carbon tetrachloride	ND	50	ug/L	09/28/06		R/J	SW 8260
Chlorobenzene	ND	50	ug/L	09/28/06		R/J	SW 8260
Chloroform	ND	50	ug/L	09/28/06		R/J	SW 8260
Methyl ethyl ketone	ND	50	ug/L	09/28/06		R/J	SW 8260
Tetrachloroethene	ND	50	ug/L	09/28/06		R/J	SW 8260
Trichloroethene	ND	50	ug/L	09/28/06		R/J	SW 8260
Vinyl chloride	ND	50	ug/L	09/28/06		R/J	SW 8260
QA/QC Surrogates							
%4-Bromofluorobenzene (Surrogate)	92		%	09/28/06		R/J	SW 8260
Volatiles							
1,1,1,2-Tetrachloroethane	ND	2.4	ug/Kg	09/23/06		R/J	SW8260
1,1,1-Trichloroethane	ND	2.4	ug/Kg	09/23/06		R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	2.4	ug/Kg	09/23/06		R/J	SW8260
1,1,2-Trichloroethane	ND	2.4	ug/Kg	09/23/06		R/J	SW8260
1,1-Dichloroethane	ND	2.4	ug/Kg	09/23/06		R/J	SW8260
1,1-Dichloroethene	ND	2.4	ug/Kg	09/23/06		R/J	SW8260
1,1-Dichloropropene	ND	2.4	ug/Kg	09/23/06		R/J	SW8260
1,2,3-Trichlorobenzene	ND	2.4	ug/Kg	09/23/06		R/J	SW8260
1,2,3-Trichloropropane	ND	2.4	ug/Kg	09/23/06		R/J	SW8260
1,2,4-Trichlorobenzene	ND	2.4	ug/Kg	09/23/06		R/J	SW8260
1,2,4-Trimethylbenzene	ND	2.4	ug/Kg	09/23/06		R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	2.4	ug/Kg	09/23/06		R/J	SW8260
1,2-Dichlorobenzene	ND	2.4	ug/Kg	09/23/06		R/J	SW8260
1,2-Dichloroethane	ND	2.4	ug/Kg	09/23/06		R/J	SW8260
1,2-Dichloropropane	ND	2.4	ug/Kg	09/23/06		R/J	SW8260
1,3,5-Trimethylbenzene	ND	2.4	ug/Kg	09/23/06		R/J	SW8260
1,3-Dichlorobenzene	ND	2.4	ug/Kg	09/23/06		R/J	SW8260
1,3-Dichloropropane	ND	2.4	ug/Kg	09/23/06		R/J	SW8260
1,4-Dichlorobenzene	ND	2.4	ug/Kg	09/23/06		R/J	SW8260
2,2-Dichloropropane	ND	2.4	ug/Kg	09/23/06		R/J	SW8260
2-Chlorotoluene	ND	2.4	ug/Kg	09/23/06		R/J	SW8260
2-Hexanone	ND	12	ug/Kg	09/23/06		R/J	SW8260
2-Isopropyltoluene	ND	2.4	ug/Kg	09/23/06		R/J	SW8260
4-Chlorotoluene	ND	2.4	ug/Kg	09/23/06		R/J	SW8260
4-Methyl-2-pentanone	ND	12	ug/Kg	09/23/06		R/J	SW8260
Acetone	13	12	ug/Kg	09/23/06		R/J	SW8260
Acrylonitrile	ND	4.7	ug/Kg	09/23/06		R/J	SW8260
Benzene	ND	2.4	ug/Kg	09/23/06		R/J	SW8260
Bromobenzene	ND	2.4	ug/Kg	09/23/06		R/J	SW8260
Bromochloromethane	ND	2.4	ug/Kg	09/23/06		R/J	SW8260
Bromodichloromethane	ND	2.4	ug/Kg	09/23/06		R/J	SW8260

Client ID: WYANDANCH NO 12 Phoenix I.D.: AH53194

Parameter	Result	RL	Units	Date	Time	By	Reference
Bromoform	ND	2.4	ug/Kg	09/23/06		R/J	SW8260
Bromomethane	ND	2.4	ug/Kg	09/23/06		R/J	SW8260
Carbon Disulfide	ND	2.4	ug/Kg	09/23/06		R/J	SW8260
Carbon tetrachloride	ND	2.4	ug/Kg	09/23/06		R/J	SW8260
Chlorobenzene	ND	2.4	ug/Kg	09/23/06		R/J	SW8260
Chloroethane	ND	2.4	ug/Kg	09/23/06		R/J	SW8260
Chloroform	ND	2.4	ug/Kg	09/23/06		R/J	SW8260
Chloromethane	ND	2.4	ug/Kg	09/23/06		R/J	SW8260
cis-1,2-Dichloroethene	ND	2.4	ug/Kg	09/23/06		R/J	SW8260
cis-1,3-Dichloropropene	ND	2.4	ug/Kg	09/23/06		R/J	SW8260
Dibromochloromethane	ND	2.4	ug/Kg	09/23/06		R/J	SW8260
Dibromoethane	ND	2.4	ug/Kg	09/23/06		R/J	SW8260
Dibromomethane	ND	2.4	ug/Kg	09/23/06		R/J	SW8260
Dichlorodifluoromethane	ND	2.4	ug/Kg	09/23/06		R/J	SW8260
Ethylbenzene	ND	2.4	ug/Kg	09/23/06		R/J	SW8260
Hexachlorobutadiene	ND	2.4	ug/Kg	09/23/06		R/J	SW8260
Isopropylbenzene	ND	2.4	ug/Kg	09/23/06		R/J	SW8260
m&p-Xylene	ND	2.4	ug/Kg	09/23/06		R/J	SW8260
Methyl Ethyl Ketone	ND	14	ug/Kg	09/23/06		R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	4.7	ug/Kg	09/23/06		R/J	SW8260
Methylene chloride	ND	2.4	ug/Kg	09/23/06		R/J	SW8260
n-Butylbenzene	ND	2.4	ug/Kg	09/23/06		R/J	SW8260
n-Propylbenzene	ND	2.4	ug/Kg	09/23/06		R/J	SW8260
Naphthalene	ND	2.4	ug/Kg	09/23/06		R/J	SW8260
o-Xylene	ND	2.4	ug/Kg	09/23/06		R/J	SW8260
p-Isopropyltoluene	ND	2.4	ug/Kg	09/23/06		R/J	SW8260
sec-Butylbenzene	ND	2.4	ug/Kg	09/23/06		R/J	SW8260
Styrene	ND	2.4	ug/Kg	09/23/06		R/J	SW8260
tert-Butylbenzene	ND	2.4	ug/Kg	09/23/06		R/J	SW8260
Tetrachloroethene	ND	2.4	ug/Kg	09/23/06		R/J	SW8260
Tetrahydrofuran (THF)	ND	4.7	ug/Kg	09/23/06		R/J	SW8260
Toluene	ND	2.4	ug/Kg	09/23/06		R/J	SW8260
Total Xylenes	ND	2.4	ug/Kg	09/23/06		R/J	SW8260
trans-1,2-Dichloroethene	ND	2.4	ug/Kg	09/23/06		R/J	SW8260
trans-1,3-Dichloropropene	ND	2.4	ug/Kg	09/23/06		R/J	SW8260
trans-1,4-dichloro-2-butene	ND	4.7	ug/Kg	09/23/06		R/J	SW8260
Trichloroethene	ND	2.4	ug/Kg	09/23/06		R/J	SW8260
Trichlorofluoromethane	ND	2.4	ug/Kg	09/23/06		R/J	SW8260
Trichlorotrifluoroethane	ND	2.4	ug/Kg	09/23/06		R/J	SW8260
Vinyl chloride	ND	2.4	ug/Kg	09/23/06		R/J	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	104		%	09/23/06		R/J	SW8260
% Bromofluorobenzene	99		%	09/23/06		R/J	SW8260
% Dibromofluoromethane	112		%	09/23/06		R/J	SW8260

Client ID: WYANDANCH NO 12 Phoenix I.D.: AH53194

Parameter	Result	RL	Units	Date	Time	By	Reference
% Toluene-d8	97		%	09/23/06		R/J	SW8260
TCLP Acid/Base-Neutral							
1,4-Dichlorobenzene	ND	100	ug/L	09/25/06		KCA	SW 8270
2,4,5-Trichlorophenol	ND	100	ug/L	09/25/06		KCA	SW 8270
2,4,6-Trichlorophenol	ND	100	ug/L	09/25/06		KCA	SW 8270
2,4-Dinitrotoluene	ND	100	ug/L	09/25/06		KCA	SW 8270
2-Methylphenol (o-cresol)	ND	100	ug/L	09/25/06		KCA	SW 8270
3&4-Methylphenol (m&p-Cresol)	ND	100	ug/L	09/25/06		KCA	SW 8270
Hexachlorobenzene	ND	100	ug/L	09/25/06		KCA	SW 8270
Hexachlorobutadiene	ND	100	ug/L	09/25/06		KCA	SW 8270
Hexachloroethane	ND	100	ug/L	09/25/06		KCA	SW 8270
Nitrobenzene	ND	100	ug/L	09/25/06		KCA	SW 8270
Pentachlorophenol	ND	500	ug/L	09/25/06		KCA	SW 8270
Pyridine	ND	100	ug/L	09/25/06		KCA	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	99		%	09/25/06		KCA	SW 8270
% 2-Fluorobiphenyl	91		%	09/25/06		KCA	SW 8270
% 2-Fluorophenol	75		%	09/25/06		KCA	SW 8270
% Nitrobenzene-d5	93		%	09/25/06		KCA	SW 8270
% Phenol-d5	78		%	09/25/06		KCA	SW 8270
% Terphenyl-d14	113		%	09/25/06		KCA	SW 8270
Semivolatiles							
1,2,4-Trichlorobenzene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
1,2-Dichlorobenzene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
1,2-Diphenylhydrazine	ND	350	ug/Kg	09/22/06		KCA	SW 8270
1,3-Dichlorobenzene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
1,4-Dichlorobenzene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
2,4,5-Trichlorophenol	ND	350	ug/Kg	09/22/06		KCA	SW 8270
2,4,6-Trichlorophenol	ND	350	ug/Kg	09/22/06		KCA	SW 8270
2,4-Dichlorophenol	ND	350	ug/Kg	09/22/06		KCA	SW 8270
2,4-Dimethylphenol	ND	350	ug/Kg	09/22/06		KCA	SW 8270
2,4-Dinitrophenol	ND	1000	ug/Kg	09/22/06		KCA	SW 8270
2,4-Dinitrotoluene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
2,6-Dichlorophenol	ND	350	ug/Kg	09/22/06		KCA	SW 8270
2,6-Dinitrotoluene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
2-Chloronaphthalene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
2-Chlorophenol	ND	350	ug/Kg	09/22/06		KCA	SW 8270
2-Methylnaphthalene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
2-Methylphenol (o-cresol)	ND	350	ug/Kg	09/22/06		KCA	SW 8270
2-Nitroaniline	ND	1000	ug/Kg	09/22/06		KCA	SW 8270
2-Nitrophenol	ND	350	ug/Kg	09/22/06		KCA	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	350	ug/Kg	09/22/06		KCA	SW 8270

Client ID: WYANDANCH NO 12 Phoenix I.D.: AH53194

Parameter	Result	RL	Units	Date	Time	By	Reference
3,3'-Dichlorobenzidine	ND	420	ug/Kg	09/22/06		KCA	SW 8270
3-Nitroaniline	ND	1000	ug/Kg	09/22/06		KCA	SW 8270
4,6-Dinitro-2-methylphenol	ND	1000	ug/Kg	09/22/06		KCA	SW 8270
4-Bromophenyl phenyl ether	ND	350	ug/Kg	09/22/06		KCA	SW 8270
4-Chloro-3-methylphenol	ND	420	ug/Kg	09/22/06		KCA	SW 8270
4-Chloroaniline	ND	420	ug/Kg	09/22/06		KCA	SW 8270
4-Chlorophenyl phenyl ether	ND	350	ug/Kg	09/22/06		KCA	SW 8270
4-Nitroaniline	ND	1000	ug/Kg	09/22/06		KCA	SW 8270
4-Nitrophenol	ND	1000	ug/Kg	09/22/06		KCA	SW 8270
Acenaphthene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Acenaphthylene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Anthracene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Benz(a)anthracene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Benzidine	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Benzo(a)pyrene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Benzo(b)fluoranthene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Benzo(ghi)perylene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Benzo(k)fluoranthene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Benzoic acid	ND	1000	ug/Kg	09/22/06		KCA	SW 8270
Benzyl alcohol	ND	420	ug/Kg	09/22/06		KCA	SW 8270
Benzyl butyl phthalate	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Bis(2-chloroethoxy)methane	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Bis(2-chloroethyl)ether	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Bis(2-chloroisopropyl)ether	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Bis(2-ethylhexyl)phthalate	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Chrysene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Di-n-butylphthalate	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Di-n-octylphthalate	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Dibenz(a,h)anthracene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Dibenzofuran	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Diethyl phthalate	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Dimethylphthalate	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Fluoranthene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Fluorene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Hexachlorobenzene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Hexachlorobutadiene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Hexachlorocyclopentadiene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Hexachloroethane	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Indeno(1,2,3-cd)pyrene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Isophorone	ND	350	ug/Kg	09/22/06		KCA	SW 8270
N-Nitrosodi-n-propylamine	ND	350	ug/Kg	09/22/06		KCA	SW 8270
N-Nitrosodimethylamine	ND	350	ug/Kg	09/22/06		KCA	SW 8270
N-Nitrosodiphenylamine	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Naphthalene	ND	350	ug/Kg	09/22/06		KCA	SW 8270

Client ID: WYANDANCH NO 12 Phoenix I.D.: AH53194

Parameter	Result	RL	Units	Date	Time	By	Reference
Nitrobenzene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Pentachlorophenol	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Phenanthrene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Phenol	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Pyrene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Pyridine	ND	350	ug/Kg	09/22/06		KCA	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	90		%	09/22/06		KCA	SW 8270
% 2-Fluorobiphenyl	81		%	09/22/06		KCA	SW 8270
% 2-Fluorophenol	77		%	09/22/06		KCA	SW 8270
% Nitrobenzene-d5	83		%	09/22/06		KCA	SW 8270
% Phenol-d5	87		%	09/22/06		KCA	SW 8270
% Terphenyl-d14	95		%	09/22/06		KCA	SW 8270

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Limit RL=Reporting Limit

Phyllis Shiller

Phyllis Shiller, Laboratory Director
December 06, 2006

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH

Analysis Report

December 06, 2006

FOR: Attn: Mr. Jon Simpson
Charter Environmental Inc
72 Jonspin Road
Wilmington, MA 01887

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		09/20/06	16:00
Location Code:	CHARTER	Received by:	SW	09/21/06	15:15
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20331				

SDG I.D.: GAH53190
Phoenix I.D.: AH53195

Laboratory Data

Client ID: WYANDANCH NO 8

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.5	0.5	mg/Kg	09/23/06		EK	SW6010
Arsenic	< 1	1	mg/Kg	09/23/06		EK	SW6010
Barium	17.7	0.5	mg/Kg	09/23/06		EK	SW6010
Beryllium	< 0.4	0.4	mg/Kg	09/23/06		EK	SW6010
Cadmium	< 0.5	0.5	mg/Kg	09/23/06		EK	SW6010
Chromium	98	0.5	mg/Kg	09/23/06		EK	SW6010
Copper	113	0.5	mg/Kg	09/23/06		EK	SW6010
Mercury - Soil	< 0.10	0.10	mg/kg	09/22/06		RS	SW-7471
Nickel	64.4	0.5	mg/Kg	09/23/06		EK	SW6010
Lead	8.5	0.5	mg/Kg	09/23/06		EK	SW6010
Antimony	< 5	5	mg/Kg	09/23/06		EK	SW6010
Selenium	< 2.5	2.5	mg/Kg	09/23/06		EK	SW6010
TCLP Silver	< 0.01	0.01	mg/L	09/23/06		EK	E1311/SW6010
TCLP Arsenic	< 0.01	0.01	mg/L	09/23/06		EK	E1311/SW6010
TCLP Barium	0.704	0.01	mg/L	09/23/06		EK	E1311/SW6010
TCLP Cadmium	< 0.005	0.005	mg/L	09/23/06		EK	E1311/SW6010
TCLP Chromium	0.088	0.01	mg/L	09/23/06		EK	E1311/SW6010
TCLP Lead	0.038	0.015	mg/L	09/23/06		EK	SW1311/6010
TCLP Selenium	< 0.05	0.05	mg/L	09/23/06		EK	E1311/SW6010
TCLP Mercury	< 0.001	0.001	mg/L	09/26/06		RS	E1311/E245.1
Thallium	< 2	2	mg/Kg	09/23/06		EK	SW6010
Vanadium	6.06	0.5	mg/Kg	09/23/06		EK	6010
Zinc	23.1	0.5	mg/Kg	09/23/06		EK	SW6010
Percent Solid	95		%	09/22/06		C/D	E160.3

Client ID: WYANDANCH NO 8 Phoenix I.D.: AH53195

Parameter	Result	RL	Units	Date	Time	By	Reference
Chromium, Hexavalent	2.34	0.47	mg/Kg	12/04/06		CL	SW3060/7196
Tot.Org.Carbon	1380	100	mg/kg	09/29/06		OL	EPA Kahn 6/99
Field Extraction	Completed			09/20/06		SCOTT	SW5035
Mercury Digestion	Completed			09/22/06		D	SW7471
Sieve Test	Completed			10/09/06		OL	ASTM
Soil Extraction for PCB	Completed			09/21/06		C/S/E	SW3545
Soil Ext. for Pesticide	Completed			09/21/06		C/S/E	3545
Soil Ext. for Semi- Vol	Completed			09/21/06		C/S/E	SW3545
TCLP Digestion Mercury	Completed			09/26/06		D	E1311/7470
TCLP Herbicides Extraction	Completed			09/22/06		O/E	SW8150 Mod
TCLP Extraction for Metals	Completed			09/21/06		D	EPA 1311
TCLP Extraction for Organics	Completed			09/21/06		D	1311
TCLP Pesticides Extraction	Completed			09/22/06		O	SW3510/3520
TCLP Semi-Volatile Extraction	Completed			09/22/06		O/K	SW3510/3520
TCLP Extraction Volatiles.	Completed			09/25/06		D	EPA 1311
Total Metals Digest	Completed			09/21/06		AG	SW846 - 3050
TCLP Metals Digestion	Completed			09/22/06		D	SW846 - 3005
Polychlorinated Biphenyls							
PCB-1016	ND	400	ug/Kg	09/22/06		MH	SW 8082
PCB-1221	ND	400	ug/Kg	09/22/06		MH	SW 8082
PCB-1232	ND	400	ug/Kg	09/22/06		MH	SW 8082
PCB-1242	ND	400	ug/Kg	09/22/06		MH	SW 8082
PCB-1248	ND	400	ug/Kg	09/22/06		MH	SW 8082
PCB-1254	ND	400	ug/Kg	09/22/06		MH	SW 8082
PCB-1260	ND	400	ug/Kg	09/22/06		MH	SW 8082
PCB-1262	ND	400	ug/Kg	09/22/06		MH	SW 8082
PCB-1268	ND	400	ug/Kg	09/22/06		MH	SW 8082
QA/QC Surrogates							
% DCBP (Surrogate Rec)	125		%	09/22/06		MH	SW 8082
% TCMX (Surrogate Rec)	113		%	09/22/06		MH	SW 8082
Pesticides - Soil							
4,4' -DDD	ND	32	ug/Kg	09/22/06		MH	SW8081
4,4' -DDE	ND	32	ug/Kg	09/22/06		MH	SW8081
4,4' -DDT	ND	32	ug/Kg	09/22/06		MH	SW8081
a-BHC	ND	16	ug/Kg	09/22/06		MH	SW8081
Aldrin	ND	7	ug/Kg	09/22/06		MH	SW8081
b-BHC	ND	16	ug/Kg	09/22/06		MH	SW8081
Chlordane	ND	66	ug/Kg	09/22/06		MH	SW8081
d-BHC	ND	16	ug/Kg	09/22/06		MH	SW8081
Dieldrin	ND	7.0	ug/Kg	09/22/06		MH	SW8081
Endosulfan I	ND	16	ug/Kg	09/22/06		MH	SW8081
Endosulfan II	ND	32	ug/Kg	09/22/06		MH	SW8081
Endosulfan sulfate	ND	32	ug/Kg	09/22/06		MH	SW8081

Parameter	Result	RL	Units	Date	Time	By	Reference
Endrin	ND	32	ug/Kg	09/22/06		MH	SW8081
Endrin aldehyde	ND	32	ug/Kg	09/22/06		MH	SW8081
Endrin ketone	ND	32	ug/Kg	09/22/06		MH	SW8081
g-BHC	ND	16	ug/Kg	09/22/06		MH	SW8081
Heptachlor	ND	13	ug/Kg	09/22/06		MH	SW8081
Heptachlor epoxide	ND	16	ug/Kg	09/22/06		MH	SW8081
Methoxychlor	ND	160	ug/Kg	09/22/06		MH	SW8081
Toxaphene	ND	160	ug/Kg	09/22/06		MH	SW8081
QA/QC Surrogates							
% DCBP (Surrogate Rec)	92		%	09/22/06		MH	SW8081
% TCMX (Surrogate Rec)	96		%	09/22/06		MH	SW8081
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	1.0	ug/L	09/27/06		KCA	SW8151
2,4-D	ND	5.0	ug/L	09/27/06		KCA	SW8151
QA/QC Surrogates							
% DCAA (Surrogate Rec)	53		%	09/27/06		KCA	SW8151
TCLP Pesticides							
4,4' -DDD	ND	0.1	ug/L	09/25/06		MH	SW 8081
4,4' -DDE	ND	0.1	ug/L	09/25/06		MH	SW 8081
4,4' -DDT	ND	0.1	ug/L	09/25/06		MH	SW 8081
a-BHC	ND	0.05	ug/L	09/25/06		MH	SW 8081
Aldrin	ND	0.05	ug/L	09/25/06		MH	SW 8081
b-BHC	ND	0.05	ug/L	09/25/06		MH	SW 8081
Chlordane	ND	0.3	ug/L	09/25/06		MH	SW 8081
d-BHC	ND	0.05	ug/L	09/25/06		MH	SW 8081
Dieldrin	ND	0.1	ug/L	09/25/06		MH	SW 8081
Endosulfan I	ND	0.05	ug/L	09/25/06		MH	SW 8081
Endosulfan II	ND	0.1	ug/L	09/25/06		MH	SW 8081
Endosulfan Sulfate	ND	0.1	ug/L	09/25/06		MH	SW 8081
Endrin	ND	0.1	ug/L	09/25/06		MH	SW 8081
Endrin Aldehyde	ND	0.1	ug/L	09/25/06		MH	SW 8081
g-BHC (Lindane)	ND	0.05	ug/L	09/25/06		MH	SW 8081
Heptachlor	ND	0.05	ug/L	09/25/06		MH	SW 8081
Heptachlor epoxide	ND	0.05	ug/L	09/25/06		MH	SW 8081
Methoxychlor	ND	0.2	ug/L	09/25/06		MH	SW 8081
Toxaphene	ND	1.0	ug/L	09/25/06		MH	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	116		%	09/25/06		MH	SW 8081
%TCMX (Surrogate Rec)	91		%	09/25/06		MH	SW 8081
TCLP Volatiles							
1,1-Dichloroethylene	ND	50	ug/L	09/28/06		R/J	SW 8260

Client ID: WYANDANCH NO 8 Phoenix I.D.: AH53195

Parameter	Result	RL	Units	Date	Time	By	Reference
1,2-Dichloroethane	ND	50	ug/L	09/28/06		R/J	SW 8260
Benzene	ND	50	ug/L	09/28/06		R/J	SW 8260
Carbon tetrachloride	ND	50	ug/L	09/28/06		R/J	SW 8260
Chlorobenzene	ND	50	ug/L	09/28/06		R/J	SW 8260
Chloroform	ND	50	ug/L	09/28/06		R/J	SW 8260
Methyl ethyl ketone	ND	50	ug/L	09/28/06		R/J	SW 8260
Tetrachloroethene	ND	50	ug/L	09/28/06		R/J	SW 8260
Trichloroethene	ND	50	ug/L	09/28/06		R/J	SW 8260
Vinyl chloride	ND	50	ug/L	09/28/06		R/J	SW 8260
QA/QC Surrogates							
%4-Bromofluorobenzene (Surrogate)	88		%	09/28/06		R/J	SW 8260
Volatiles							
1,1,1,2-Tetrachloroethane	ND	1.9	ug/Kg	09/23/06		RM	SW8260
1,1,1-Trichloroethane	ND	1.9	ug/Kg	09/23/06		RM	SW8260
1,1,2,2-Tetrachloroethane	ND	1.9	ug/Kg	09/23/06		RM	SW8260
1,1,2-Trichloroethane	ND	1.9	ug/Kg	09/23/06		RM	SW8260
1,1-Dichloroethane	ND	1.9	ug/Kg	09/23/06		RM	SW8260
1,1-Dichloroethene	ND	1.9	ug/Kg	09/23/06		RM	SW8260
1,1-Dichloropropene	ND	1.9	ug/Kg	09/23/06		RM	SW8260
1,2,3-Trichlorobenzene	ND	1.9	ug/Kg	09/23/06		RM	SW8260
1,2,3-Trichloropropane	ND	1.9	ug/Kg	09/23/06		RM	SW8260
1,2,4-Trichlorobenzene	ND	1.9	ug/Kg	09/23/06		RM	SW8260
1,2,4-Trimethylbenzene	ND	1.9	ug/Kg	09/23/06		RM	SW8260
1,2-Dibromo-3-chloropropane	ND	1.9	ug/Kg	09/23/06		RM	SW8260
1,2-Dichlorobenzene	ND	1.9	ug/Kg	09/23/06		RM	SW8260
1,2-Dichloroethane	ND	1.9	ug/Kg	09/23/06		RM	SW8260
1,2-Dichloropropane	ND	1.9	ug/Kg	09/23/06		RM	SW8260
1,3,5-Trimethylbenzene	ND	1.9	ug/Kg	09/23/06		RM	SW8260
1,3-Dichlorobenzene	ND	1.9	ug/Kg	09/23/06		RM	SW8260
1,3-Dichloropropane	ND	1.9	ug/Kg	09/23/06		RM	SW8260
1,4-Dichlorobenzene	ND	1.9	ug/Kg	09/23/06		RM	SW8260
2,2-Dichloropropane	ND	1.9	ug/Kg	09/23/06		RM	SW8260
2-Chlorotoluene	ND	1.9	ug/Kg	09/23/06		RM	SW8260
2-Hexanone	ND	9.3	ug/Kg	09/23/06		RM	SW8260
2-Isopropyltoluene	ND	1.9	ug/Kg	09/23/06		RM	SW8260
4-Chlorotoluene	ND	1.9	ug/Kg	09/23/06		RM	SW8260
4-Methyl-2-pentanone	ND	9.3	ug/Kg	09/23/06		RM	SW8260
Acetone	ND	37	ug/Kg	09/23/06		RM	SW8260
Acrylonitrile	ND	3.7	ug/Kg	09/23/06		RM	SW8260
Benzene	ND	1.9	ug/Kg	09/23/06		RM	SW8260
Bromobenzene	ND	1.9	ug/Kg	09/23/06		RM	SW8260
Bromochloromethane	ND	1.9	ug/Kg	09/23/06		RM	SW8260
Bromodichloromethane	ND	1.9	ug/Kg	09/23/06		RM	SW8260

Client ID: WYANDANCH NO 8 Phoenix I.D.: AH53195

Parameter	Result	RL	Units	Date	Time	By	Reference
Bromoform	ND	1.9	ug/Kg	09/23/06		RM	SW8260
Bromomethane	ND	1.9	ug/Kg	09/23/06		RM	SW8260
Carbon Disulfide	ND	1.9	ug/Kg	09/23/06		RM	SW8260
Carbon tetrachloride	ND	1.9	ug/Kg	09/23/06		RM	SW8260
Chlorobenzene	ND	1.9	ug/Kg	09/23/06		RM	SW8260
Chloroethane	ND	1.9	ug/Kg	09/23/06		RM	SW8260
Chloroform	ND	1.9	ug/Kg	09/23/06		RM	SW8260
Chloromethane	ND	1.9	ug/Kg	09/23/06		RM	SW8260
cis-1,2-Dichloroethene	ND	1.9	ug/Kg	09/23/06		RM	SW8260
cis-1,3-Dichloropropene	ND	1.9	ug/Kg	09/23/06		RM	SW8260
Dibromochloromethane	ND	1.9	ug/Kg	09/23/06		RM	SW8260
Dibromoethane	ND	1.9	ug/Kg	09/23/06		RM	SW8260
Dibromomethane	ND	1.9	ug/Kg	09/23/06		RM	SW8260
Dichlorodifluoromethane	ND	1.9	ug/Kg	09/23/06		RM	SW8260
Ethylbenzene	ND	1.9	ug/Kg	09/23/06		RM	SW8260
Hexachlorobutadiene	ND	1.9	ug/Kg	09/23/06		RM	SW8260
Isopropylbenzene	ND	1.9	ug/Kg	09/23/06		RM	SW8260
m&p-Xylene	ND	1.9	ug/Kg	09/23/06		RM	SW8260
Methyl Ethyl Ketone	ND	11	ug/Kg	09/23/06		RM	SW8260
Methyl t-butyl ether (MTBE)	ND	3.7	ug/Kg	09/23/06		RM	SW8260
Methylene chloride	ND	1.9	ug/Kg	09/23/06		RM	SW8260
n-Butylbenzene	ND	1.9	ug/Kg	09/23/06		RM	SW8260
n-Propylbenzene	ND	1.9	ug/Kg	09/23/06		RM	SW8260
Naphthalene	ND	1.9	ug/Kg	09/23/06		RM	SW8260
o-Xylene	ND	1.9	ug/Kg	09/23/06		RM	SW8260
p-Isopropyltoluene	ND	1.9	ug/Kg	09/23/06		RM	SW8260
sec-Butylbenzene	ND	1.9	ug/Kg	09/23/06		RM	SW8260
Styrene	ND	1.9	ug/Kg	09/23/06		RM	SW8260
tert-Butylbenzene	ND	1.9	ug/Kg	09/23/06		RM	SW8260
Tetrachloroethene	ND	1.9	ug/Kg	09/23/06		RM	SW8260
Tetrahydrofuran (THF)	ND	3.7	ug/Kg	09/23/06		RM	SW8260
Toluene	ND	1.9	ug/Kg	09/23/06		RM	SW8260
Total Xylenes	ND	1.9	ug/Kg	09/23/06		RM	SW8260
trans-1,2-Dichloroethene	ND	1.9	ug/Kg	09/23/06		RM	SW8260
trans-1,3-Dichloropropene	ND	1.9	ug/Kg	09/23/06		RM	SW8260
trans-1,4-dichloro-2-butene	ND	3.7	ug/Kg	09/23/06		RM	SW8260
Trichloroethene	ND	1.9	ug/Kg	09/23/06		RM	SW8260
Trichlorofluoromethane	ND	1.9	ug/Kg	09/23/06		RM	SW8260
Trichlorotrifluoroethane	ND	1.9	ug/Kg	09/23/06		RM	SW8260
Vinyl chloride	ND	1.9	ug/Kg	09/23/06		RM	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	104		%	09/23/06		RM	SW8260
% Bromofluorobenzene	99		%	09/23/06		RM	SW8260
% Dibromofluoromethane	108		%	09/23/06		RM	SW8260

Parameter	Result	RL	Units	Date	Time	By	Reference
% Toluene-d8	98		%	09/23/06		RM	SW8260
TCLP Acid/Base-Neutral							
1,4-Dichlorobenzene	ND	100	ug/L	09/25/06		KCA	SW 8270
2,4,5-Trichlorophenol	ND	100	ug/L	09/25/06		KCA	SW 8270
2,4,6-Trichlorophenol	ND	100	ug/L	09/25/06		KCA	SW 8270
2,4-Dinitrotoluene	ND	100	ug/L	09/25/06		KCA	SW 8270
2-Methylphenol (o-cresol)	ND	100	ug/L	09/25/06		KCA	SW 8270
3&4-Methylphenol (m&p-Cresol)	ND	100	ug/L	09/25/06		KCA	SW 8270
Hexachlorobenzene	ND	100	ug/L	09/25/06		KCA	SW 8270
Hexachlorobutadiene	ND	100	ug/L	09/25/06		KCA	SW 8270
Hexachloroethane	ND	100	ug/L	09/25/06		KCA	SW 8270
Nitrobenzene	ND	100	ug/L	09/25/06		KCA	SW 8270
Pentachlorophenol	ND	500	ug/L	09/25/06		KCA	SW 8270
Pyridine	ND	100	ug/L	09/25/06		KCA	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	103		%	09/25/06		KCA	SW 8270
% 2-Fluorobiphenyl	96		%	09/25/06		KCA	SW 8270
% 2-Fluorophenol	75		%	09/25/06		KCA	SW 8270
% Nitrobenzene-d5	95		%	09/25/06		KCA	SW 8270
% Phenol-d5	78		%	09/25/06		KCA	SW 8270
% Terphenyl-d14	113		%	09/25/06		KCA	SW 8270
Semivolatiles							
1,2,4-Trichlorobenzene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
1,2-Dichlorobenzene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
1,2-Diphenylhydrazine	ND	350	ug/Kg	09/22/06		KCA	SW 8270
1,3-Dichlorobenzene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
1,4-Dichlorobenzene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
2,4,5-Trichlorophenol	ND	350	ug/Kg	09/22/06		KCA	SW 8270
2,4,6-Trichlorophenol	ND	350	ug/Kg	09/22/06		KCA	SW 8270
2,4-Dichlorophenol	ND	350	ug/Kg	09/22/06		KCA	SW 8270
2,4-Dimethylphenol	ND	350	ug/Kg	09/22/06		KCA	SW 8270
2,4-Dinitrophenol	ND	1000	ug/Kg	09/22/06		KCA	SW 8270
2,4-Dinitrotoluene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
2,6-Dichlorophenol	ND	350	ug/Kg	09/22/06		KCA	SW 8270
2,6-Dinitrotoluene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
2-Chloronaphthalene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
2-Chlorophenol	ND	350	ug/Kg	09/22/06		KCA	SW 8270
2-Methylnaphthalene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
2-Methylphenol (o-cresol)	ND	350	ug/Kg	09/22/06		KCA	SW 8270
2-Nitroaniline	ND	1000	ug/Kg	09/22/06		KCA	SW 8270
2-Nitrophenol	ND	350	ug/Kg	09/22/06		KCA	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	350	ug/Kg	09/22/06		KCA	SW 8270

Client ID: WYANDANCH NO 8 Phoenix I.D.: AH53195

Parameter	Result	RL	Units	Date	Time	By	Reference
3,3'-Dichlorobenzidine	ND	420	ug/Kg	09/22/06		KCA	SW 8270
3-Nitroaniline	ND	1000	ug/Kg	09/22/06		KCA	SW 8270
4,6-Dinitro-2-methylphenol	ND	1000	ug/Kg	09/22/06		KCA	SW 8270
4-Bromophenyl phenyl ether	ND	350	ug/Kg	09/22/06		KCA	SW 8270
4-Chloro-3-methylphenol	ND	420	ug/Kg	09/22/06		KCA	SW 8270
4-Chloroaniline	ND	420	ug/Kg	09/22/06		KCA	SW 8270
4-Chlorophenyl phenyl ether	ND	350	ug/Kg	09/22/06		KCA	SW 8270
4-Nitroaniline	ND	1000	ug/Kg	09/22/06		KCA	SW 8270
4-Nitrophenol	ND	1000	ug/Kg	09/22/06		KCA	SW 8270
Acenaphthene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Acenaphthylene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Anthracene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Benz(a)anthracene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Benzidine	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Benzo(a)pyrene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Benzo(b)fluoranthene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Benzo(ghi)perylene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Benzo(k)fluoranthene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Benzoic acid	ND	1000	ug/Kg	09/22/06		KCA	SW 8270
Benzyl alcohol	ND	420	ug/Kg	09/22/06		KCA	SW 8270
Benzyl butyl phthalate	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Bis(2-chloroethoxy)methane	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Bis(2-chloroethyl)ether	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Bis(2-chloroisopropyl)ether	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Bis(2-ethylhexyl)phthalate	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Chrysene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Di-n-butylphthalate	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Di-n-octylphthalate	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Dibenz(a,h)anthracene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Dibenzofuran	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Diethyl phthalate	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Dimethylphthalate	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Fluoranthene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Fluorene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Hexachlorobenzene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Hexachlorobutadiene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Hexachlorocyclopentadiene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Hexachloroethane	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Indeno(1,2,3-cd)pyrene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Isophorone	ND	350	ug/Kg	09/22/06		KCA	SW 8270
N-Nitrosodi-n-propylamine	ND	350	ug/Kg	09/22/06		KCA	SW 8270
N-Nitrosodimethylamine	ND	350	ug/Kg	09/22/06		KCA	SW 8270
N-Nitrosodiphenylamine	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Naphthalene	ND	350	ug/Kg	09/22/06		KCA	SW 8270

Client ID: WYANDANCH NO 8 Phoenix I.D.: AH53195

Parameter	Result	RL	Units	Date	Time	By	Reference
Nitrobenzene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Pentachlorophenol	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Phenanthrene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Phenol	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Pyrene	ND	350	ug/Kg	09/22/06		KCA	SW 8270
Pyridine	ND	350	ug/Kg	09/22/06		KCA	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	82		%	09/22/06		KCA	SW 8270
% 2-Fluorobiphenyl	81		%	09/22/06		KCA	SW 8270
% 2-Fluorophenol	76		%	09/22/06		KCA	SW 8270
% Nitrobenzene-d5	83		%	09/22/06		KCA	SW 8270
% Phenol-d5	86		%	09/22/06		KCA	SW 8270
% Terphenyl-d14	91		%	09/22/06		KCA	SW 8270

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Limit RL=Reporting Limit

Phyllis Shiller, Laboratory Director
December 06, 2006

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH

Analysis Report

December 06, 2006

FOR: Attn: Mr. Jon Simpson
Charter Environmental Inc
72 Jonspin Road
Wilmington, MA 01887

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		09/21/06	8:00
Location Code:	CHARTER	Received by:	SW	09/21/06	15:15
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20331				

SDG I.D.: GAH53190
Phoenix I.D.: AH53196

Laboratory Data

Client ID: WYANDANCH S-3

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.5	0.5	mg/Kg	09/23/06		EK	SW6010
Arsenic	< 1	1	mg/Kg	09/23/06		EK	SW6010
Barium	25.3	0.5	mg/Kg	09/23/06		EK	SW6010
Beryllium	< 0.4	0.4	mg/Kg	09/23/06		EK	SW6010
Cadmium	< 0.5	0.5	mg/Kg	09/23/06		EK	SW6010
Chromium	66.4	0.5	mg/Kg	09/23/06		EK	SW6010
Copper	35.9	0.5	mg/Kg	09/23/06		EK	SW6010
Mercury - Soil	< 0.10	0.10	mg/kg	09/22/06		RS	SW-7471
Nickel	84.7	0.5	mg/Kg	09/23/06		EK	SW6010
Lead	6.5	0.5	mg/Kg	09/23/06		EK	SW6010
Antimony	< 5	5	mg/Kg	09/23/06		EK	SW6010
Selenium	< 2.5	2.5	mg/Kg	09/23/06		EK	SW6010
TCLP Silver	< 0.01	0.01	mg/L	09/23/06		EK	E1311/SW6010
TCLP Arsenic	< 0.01	0.01	mg/L	09/23/06		EK	E1311/SW6010
TCLP Barium	1.88	0.01	mg/L	09/23/06		EK	E1311/SW6010
TCLP Cadmium	< 0.005	0.005	mg/L	09/23/06		EK	E1311/SW6010
TCLP Chromium	0.103	0.01	mg/L	09/23/06		EK	E1311/SW6010
TCLP Lead	0.053	0.015	mg/L	09/23/06		EK	SW1311/6010
TCLP Selenium	< 0.05	0.05	mg/L	09/23/06		EK	E1311/SW6010
TCLP Mercury	< 0.001	0.001	mg/L	09/26/06		RS	E1311/E245.1
Thallium	< 2	2	mg/Kg	09/23/06		EK	SW6010
Vanadium	5.37	0.5	mg/Kg	09/23/06		EK	6010
Zinc	26.9	0.5	mg/Kg	09/23/06		EK	SW6010
Percent Solid	94		%	09/22/06		C/D	E160.3

Client ID: WYANDANCH S-3 Phoenix I.D.: AH53196

Parameter	Result	RL	Units	Date	Time	By	Reference
Chromium, Hexavalent	< 0.47	0.47	mg/Kg	12/04/06		CL	SW3060/7196
Tot.Org.Carbon	1110	100	mg/kg	09/29/06		OL	EPA Kahn 6/99
Mercury Digestion	Completed			09/22/06		D	SW7471
Sieve Test	Completed			10/09/06		OL	ASTM
Soil Extraction for PCB	Completed			09/21/06		C/S/E	SW3545
Soil Ext. for Pesticide	Completed			09/21/06		C/S/E	3545
Soil Ext. for Semi- Vol	Completed			09/21/06		S/E	SW3545
TCLP Digestion Mercury	Completed			09/26/06		D	E1311/7470
TCLP Herbicides Extraction	Completed			09/22/06		O/E	SW8150 Mod
TCLP Extraction for Metals	Completed			09/21/06		D	EPA 1311
TCLP Extraction for Organics	Completed			09/21/06		D	1311
TCLP Pesticides Extraction	Completed			09/22/06		O	SW3510/3520
TCLP Semi-Volatile Extraction	Completed			09/22/06		O/K	SW3510/3520
TCLP Extraction Volatiles.	Completed			09/25/06		D	EPA 1311
Total Metals Digest	Completed			09/21/06		AG	SW846 - 3050
TCLP Metals Digestion	Completed			09/22/06		D	SW846 - 3005
Field Extraction	Completedd			09/21/06		SCOTT	SW5035
Polychlorinated Biphenyls							
PCB-1016	ND	400	ug/Kg	09/22/06		MH	SW 8082
PCB-1221	ND	400	ug/Kg	09/22/06		MH	SW 8082
PCB-1232	ND	400	ug/Kg	09/22/06		MH	SW 8082
PCB-1242	ND	400	ug/Kg	09/22/06		MH	SW 8082
PCB-1248	ND	400	ug/Kg	09/22/06		MH	SW 8082
PCB-1254	ND	400	ug/Kg	09/22/06		MH	SW 8082
PCB-1260	ND	400	ug/Kg	09/22/06		MH	SW 8082
PCB-1262	ND	400	ug/Kg	09/22/06		MH	SW 8082
PCB-1268	ND	400	ug/Kg	09/22/06		MH	SW 8082
QA/QC Surrogates							
% DCBP (Surrogate Rec)	91		%	09/22/06		MH	SW 8082
% TCMX (Surrogate Rec)	100		%	09/22/06		MH	SW 8082
Pesticides - Soil							
4,4' -DDD	ND	32	ug/Kg	09/22/06		MH	SW8081
4,4' -DDE	ND	32	ug/Kg	09/22/06		MH	SW8081
4,4' -DDT	ND	32	ug/Kg	09/22/06		MH	SW8081
a-BHC	ND	16	ug/Kg	09/22/06		MH	SW8081
Aldrin	ND	7	ug/Kg	09/22/06		MH	SW8081
b-BHC	ND	16	ug/Kg	09/22/06		MH	SW8081
Chlordane	ND	66	ug/Kg	09/22/06		MH	SW8081
d-BHC	ND	16	ug/Kg	09/22/06		MH	SW8081
Dieldrin	ND	7.0	ug/Kg	09/22/06		MH	SW8081
Endosulfan I	ND	16	ug/Kg	09/22/06		MH	SW8081
Endosulfan II	ND	32	ug/Kg	09/22/06		MH	SW8081
Endosulfan sulfate	ND	32	ug/Kg	09/22/06		MH	SW8081

Client ID: WYANDANCH S-3 Phoenix I.D.: AH53196

Parameter	Result	RL	Units	Date	Time	By	Reference
Endrin	ND	32	ug/Kg	09/22/06		MH	SW8081
Endrin aldehyde	ND	32	ug/Kg	09/22/06		MH	SW8081
Endrin ketone	ND	32	ug/Kg	09/22/06		MH	SW8081
g-BHC	ND	16	ug/Kg	09/22/06		MH	SW8081
Heptachlor	ND	13	ug/Kg	09/22/06		MH	SW8081
Heptachlor epoxide	ND	16	ug/Kg	09/22/06		MH	SW8081
Methoxychlor	ND	160	ug/Kg	09/22/06		MH	SW8081
Toxaphene	ND	160	ug/Kg	09/22/06		MH	SW8081
QA/QC Surrogates							
% DCBP (Surrogate Rec)	74		%	09/22/06		MH	SW8081
% TCMX (Surrogate Rec)	89		%	09/22/06		MH	SW8081
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	1.0	ug/L	09/27/06		KCA	SW8151
2,4-D	ND	5.0	ug/L	09/27/06		KCA	SW8151
QA/QC Surrogates							
% DCAA (Surrogate Rec)	Intererence		%	09/27/06		KCA	SW8151
TCLP Pesticides							
4,4' -DDD	ND	0.1	ug/L	09/25/06		MH	SW 8081
4,4' -DDE	ND	0.1	ug/L	09/25/06		MH	SW 8081
4,4' -DDT	ND	0.1	ug/L	09/25/06		MH	SW 8081
a-BHC	ND	0.05	ug/L	09/25/06		MH	SW 8081
Aldrin	ND	0.05	ug/L	09/25/06		MH	SW 8081
b-BHC	ND	0.05	ug/L	09/25/06		MH	SW 8081
Chlordane	ND	0.3	ug/L	09/25/06		MH	SW 8081
d-BHC	ND	0.05	ug/L	09/25/06		MH	SW 8081
Dieldrin	ND	0.1	ug/L	09/25/06		MH	SW 8081
Endosulfan I	ND	0.05	ug/L	09/25/06		MH	SW 8081
Endosulfan II	ND	0.1	ug/L	09/25/06		MH	SW 8081
Endosulfan Sulfate	ND	0.1	ug/L	09/25/06		MH	SW 8081
Endrin	ND	0.1	ug/L	09/25/06		MH	SW 8081
Endrin Aldehyde	ND	0.1	ug/L	09/25/06		MH	SW 8081
g-BHC (Lindane)	ND	0.05	ug/L	09/25/06		MH	SW 8081
Heptachlor	ND	0.05	ug/L	09/25/06		MH	SW 8081
Heptachlor epoxide	ND	0.05	ug/L	09/25/06		MH	SW 8081
Methoxychlor	ND	0.2	ug/L	09/25/06		MH	SW 8081
Toxaphene	ND	1.0	ug/L	09/25/06		MH	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	114		%	09/25/06		MH	SW 8081
%TCMX (Surrogate Rec)	112		%	09/25/06		MH	SW 8081
TCLP Volatiles							
1,1-Dichloroethylene	ND	50	ug/L	09/28/06		R/J	SW 8260

Client ID: WYANDANCH S-3 Phoenix I.D.: AH53196

Parameter	Result	RL	Units	Date	Time	By	Reference
1,2-Dichloroethane	ND	50	ug/L	09/28/06		R/J	SW 8260
Benzene	ND	50	ug/L	09/28/06		R/J	SW 8260
Carbon tetrachloride	ND	50	ug/L	09/28/06		R/J	SW 8260
Chlorobenzene	ND	50	ug/L	09/28/06		R/J	SW 8260
Chloroform	ND	50	ug/L	09/28/06		R/J	SW 8260
Methyl ethyl ketone	ND	50	ug/L	09/28/06		R/J	SW 8260
Tetrachloroethene	ND	50	ug/L	09/28/06		R/J	SW 8260
Trichloroethene	ND	50	ug/L	09/28/06		R/J	SW 8260
Vinyl chloride	ND	50	ug/L	09/28/06		R/J	SW 8260
QA/QC Surrogates							
%4-Bromofluorobenzene (Surrogate)	90		%	09/28/06		R/J	SW 8260
Volatiles							
1,1,1,2-Tetrachloroethane	ND	2.3	ug/Kg	09/23/06		R/J	SW8260
1,1,1-Trichloroethane	ND	2.3	ug/Kg	09/23/06		R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	2.3	ug/Kg	09/23/06		R/J	SW8260
1,1,2-Trichloroethane	ND	2.3	ug/Kg	09/23/06		R/J	SW8260
1,1-Dichloroethane	ND	2.3	ug/Kg	09/23/06		R/J	SW8260
1,1-Dichloroethene	ND	2.3	ug/Kg	09/23/06		R/J	SW8260
1,1-Dichloropropene	ND	2.3	ug/Kg	09/23/06		R/J	SW8260
1,2,3-Trichlorobenzene	ND	2.3	ug/Kg	09/23/06		R/J	SW8260
1,2,3-Trichloropropane	ND	2.3	ug/Kg	09/23/06		R/J	SW8260
1,2,4-Trichlorobenzene	ND	2.3	ug/Kg	09/23/06		R/J	SW8260
1,2,4-Trimethylbenzene	ND	2.3	ug/Kg	09/23/06		R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	2.3	ug/Kg	09/23/06		R/J	SW8260
1,2-Dichlorobenzene	ND	2.3	ug/Kg	09/23/06		R/J	SW8260
1,2-Dichloroethane	ND	2.3	ug/Kg	09/23/06		R/J	SW8260
1,2-Dichloropropane	ND	2.3	ug/Kg	09/23/06		R/J	SW8260
1,3,5-Trimethylbenzene	ND	2.3	ug/Kg	09/23/06		R/J	SW8260
1,3-Dichlorobenzene	ND	2.3	ug/Kg	09/23/06		R/J	SW8260
1,3-Dichloropropane	ND	2.3	ug/Kg	09/23/06		R/J	SW8260
1,4-Dichlorobenzene	ND	2.3	ug/Kg	09/23/06		R/J	SW8260
2,2-Dichloropropane	ND	2.3	ug/Kg	09/23/06		R/J	SW8260
2-Chlorotoluene	ND	2.3	ug/Kg	09/23/06		R/J	SW8260
2-Hexanone	ND	11	ug/Kg	09/23/06		R/J	SW8260
2-Isopropyltoluene	ND	2.3	ug/Kg	09/23/06		R/J	SW8260
4-Chlorotoluene	ND	2.3	ug/Kg	09/23/06		R/J	SW8260
4-Methyl-2-pentanone	ND	11	ug/Kg	09/23/06		R/J	SW8260
Acetone	25	11	ug/Kg	09/23/06		R/J	SW8260
Acrylonitrile	ND	4.5	ug/Kg	09/23/06		R/J	SW8260
Benzene	ND	2.3	ug/Kg	09/23/06		R/J	SW8260
Bromobenzene	ND	2.3	ug/Kg	09/23/06		R/J	SW8260
Bromochloromethane	ND	2.3	ug/Kg	09/23/06		R/J	SW8260
Bromodichloromethane	ND	2.3	ug/Kg	09/23/06		R/J	SW8260

Client ID: WYANDANCH S-3 Phoenix I.D.: AH53196

Parameter	Result	RL	Units	Date	Time	By	Reference
Bromoform	ND	2.3	ug/Kg	09/23/06		R/J	SW8260
Bromomethane	ND	2.3	ug/Kg	09/23/06		R/J	SW8260
Carbon Disulfide	ND	2.3	ug/Kg	09/23/06		R/J	SW8260
Carbon tetrachloride	ND	2.3	ug/Kg	09/23/06		R/J	SW8260
Chlorobenzene	ND	2.3	ug/Kg	09/23/06		R/J	SW8260
Chloroethane	ND	2.3	ug/Kg	09/23/06		R/J	SW8260
Chloroform	ND	2.3	ug/Kg	09/23/06		R/J	SW8260
Chloromethane	ND	2.3	ug/Kg	09/23/06		R/J	SW8260
cis-1,2-Dichloroethene	ND	2.3	ug/Kg	09/23/06		R/J	SW8260
cis-1,3-Dichloropropene	ND	2.3	ug/Kg	09/23/06		R/J	SW8260
Dibromochloromethane	ND	2.3	ug/Kg	09/23/06		R/J	SW8260
Dibromoethane	ND	2.3	ug/Kg	09/23/06		R/J	SW8260
Dibromomethane	ND	2.3	ug/Kg	09/23/06		R/J	SW8260
Dichlorodifluoromethane	ND	2.3	ug/Kg	09/23/06		R/J	SW8260
Ethylbenzene	ND	2.3	ug/Kg	09/23/06		R/J	SW8260
Hexachlorobutadiene	ND	2.3	ug/Kg	09/23/06		R/J	SW8260
Isopropylbenzene	ND	2.3	ug/Kg	09/23/06		R/J	SW8260
m&p-Xylene	ND	2.3	ug/Kg	09/23/06		R/J	SW8260
Methyl Ethyl Ketone	ND	14	ug/Kg	09/23/06		R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	4.5	ug/Kg	09/23/06		R/J	SW8260
Methylene chloride	ND	2.3	ug/Kg	09/23/06		R/J	SW8260
n-Butylbenzene	ND	2.3	ug/Kg	09/23/06		R/J	SW8260
n-Propylbenzene	ND	2.3	ug/Kg	09/23/06		R/J	SW8260
Naphthalene	ND	2.3	ug/Kg	09/23/06		R/J	SW8260
o-Xylene	ND	2.3	ug/Kg	09/23/06		R/J	SW8260
p-Isopropyltoluene	ND	2.3	ug/Kg	09/23/06		R/J	SW8260
sec-Butylbenzene	ND	2.3	ug/Kg	09/23/06		R/J	SW8260
Styrene	ND	2.3	ug/Kg	09/23/06		R/J	SW8260
tert-Butylbenzene	ND	2.3	ug/Kg	09/23/06		R/J	SW8260
Tetrachloroethene	ND	2.3	ug/Kg	09/23/06		R/J	SW8260
Tetrahydrofuran (THF)	ND	4.5	ug/Kg	09/23/06		R/J	SW8260
Toluene	ND	2.3	ug/Kg	09/23/06		R/J	SW8260
Total Xylenes	ND	2.3	ug/Kg	09/23/06		R/J	SW8260
trans-1,2-Dichloroethene	ND	2.3	ug/Kg	09/23/06		R/J	SW8260
trans-1,3-Dichloropropene	ND	2.3	ug/Kg	09/23/06		R/J	SW8260
trans-1,4-dichloro-2-butene	ND	4.5	ug/Kg	09/23/06		R/J	SW8260
Trichloroethene	ND	2.3	ug/Kg	09/23/06		R/J	SW8260
Trichlorofluoromethane	ND	2.3	ug/Kg	09/23/06		R/J	SW8260
Trichlorotrifluoroethane	ND	2.3	ug/Kg	09/23/06		R/J	SW8260
Vinyl chloride	ND	2.3	ug/Kg	09/23/06		R/J	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	104		%	09/23/06		R/J	SW8260
% Bromofluorobenzene	97		%	09/23/06		R/J	SW8260
% Dibromofluoromethane	109		%	09/23/06		R/J	SW8260

Client ID: WYANDANCH S-3 Phoenix I.D.: AH53196

Parameter	Result	RL	Units	Date	Time	By	Reference
% Toluene-d8	96		%	09/23/06		R/J	SW8260
TCLP Acid/Base-Neutral							
1,4-Dichlorobenzene	ND	100	ug/L	09/25/06		KCA	SW 8270
2,4,5-Trichlorophenol	ND	100	ug/L	09/25/06		KCA	SW 8270
2,4,6-Trichlorophenol	ND	100	ug/L	09/25/06		KCA	SW 8270
2,4-Dinitrotoluene	ND	100	ug/L	09/25/06		KCA	SW 8270
2-Methylphenol (o-cresol)	ND	100	ug/L	09/25/06		KCA	SW 8270
3&4-Methylphenol (m&p-Cresol)	ND	100	ug/L	09/25/06		KCA	SW 8270
Hexachlorobenzene	ND	100	ug/L	09/25/06		KCA	SW 8270
Hexachlorobutadiene	ND	100	ug/L	09/25/06		KCA	SW 8270
Hexachloroethane	ND	100	ug/L	09/25/06		KCA	SW 8270
Nitrobenzene	ND	100	ug/L	09/25/06		KCA	SW 8270
Pentachlorophenol	ND	500	ug/L	09/25/06		KCA	SW 8270
Pyridine	ND	100	ug/L	09/25/06		KCA	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	95		%	09/25/06		KCA	SW 8270
% 2-Fluorobiphenyl	89		%	09/25/06		KCA	SW 8270
% 2-Fluorophenol	70		%	09/25/06		KCA	SW 8270
% Nitrobenzene-d5	88		%	09/25/06		KCA	SW 8270
% Phenol-d5	72		%	09/25/06		KCA	SW 8270
% Terphenyl-d14	117		%	09/25/06		KCA	SW 8270
Semivolatiles							
1,2,4-Trichlorobenzene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
1,2-Dichlorobenzene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
1,2-Diphenylhydrazine	ND	340	ug/Kg	09/22/06		KCA	SW 8270
1,3-Dichlorobenzene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
1,4-Dichlorobenzene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
2,4,5-Trichlorophenol	ND	340	ug/Kg	09/22/06		KCA	SW 8270
2,4,6-Trichlorophenol	ND	340	ug/Kg	09/22/06		KCA	SW 8270
2,4-Dichlorophenol	ND	340	ug/Kg	09/22/06		KCA	SW 8270
2,4-Dimethylphenol	ND	340	ug/Kg	09/22/06		KCA	SW 8270
2,4-Dinitrophenol	ND	990	ug/Kg	09/22/06		KCA	SW 8270
2,4-Dinitrotoluene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
2,6-Dichlorophenol	ND	340	ug/Kg	09/22/06		KCA	SW 8270
2,6-Dinitrotoluene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
2-Chloronaphthalene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
2-Chlorophenol	ND	340	ug/Kg	09/22/06		KCA	SW 8270
2-Methylnaphthalene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
2-Methylphenol (o-cresol)	ND	340	ug/Kg	09/22/06		KCA	SW 8270
2-Nitroaniline	ND	990	ug/Kg	09/22/06		KCA	SW 8270
2-Nitrophenol	ND	340	ug/Kg	09/22/06		KCA	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	340	ug/Kg	09/22/06		KCA	SW 8270

Client ID: WYANDANCH S-3 Phoenix I.D.: AH53196

Parameter	Result	RL	Units	Date	Time	By	Reference
3,3'-Dichlorobenzidine	ND	410	ug/Kg	09/22/06		KCA	SW 8270
3-Nitroaniline	ND	990	ug/Kg	09/22/06		KCA	SW 8270
4,6-Dinitro-2-methylphenol	ND	990	ug/Kg	09/22/06		KCA	SW 8270
4-Bromophenyl phenyl ether	ND	340	ug/Kg	09/22/06		KCA	SW 8270
4-Chloro-3-methylphenol	ND	410	ug/Kg	09/22/06		KCA	SW 8270
4-Chloroaniline	ND	410	ug/Kg	09/22/06		KCA	SW 8270
4-Chlorophenyl phenyl ether	ND	340	ug/Kg	09/22/06		KCA	SW 8270
4-Nitroaniline	ND	990	ug/Kg	09/22/06		KCA	SW 8270
4-Nitrophenol	ND	990	ug/Kg	09/22/06		KCA	SW 8270
Acenaphthene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Acenaphthylene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Anthracene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Benz(a)anthracene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Benzidine	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Benzo(a)pyrene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Benzo(b)fluoranthene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Benzo(ghi)perylene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Benzo(k)fluoranthene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Benzoic acid	ND	990	ug/Kg	09/22/06		KCA	SW 8270
Benzyl alcohol	ND	410	ug/Kg	09/22/06		KCA	SW 8270
Benzyl butyl phthalate	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Bis(2-chloroethoxy)methane	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Bis(2-chloroethyl)ether	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Bis(2-chloroisopropyl)ether	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Bis(2-ethylhexyl)phthalate	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Chrysene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Di-n-butylphthalate	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Di-n-octylphthalate	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Dibenz(a,h)anthracene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Dibenzofuran	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Diethyl phthalate	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Dimethylphthalate	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Fluoranthene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Fluorene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Hexachlorobenzene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Hexachlorobutadiene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Hexachlorocyclopentadiene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Hexachloroethane	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Indeno(1,2,3-cd)pyrene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Isophorone	ND	340	ug/Kg	09/22/06		KCA	SW 8270
N-Nitrosodi-n-propylamine	ND	340	ug/Kg	09/22/06		KCA	SW 8270
N-Nitrosodimethylamine	ND	340	ug/Kg	09/22/06		KCA	SW 8270
N-Nitrosodiphenylamine	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Naphthalene	ND	340	ug/Kg	09/22/06		KCA	SW 8270

Client ID: WYANDANCH S-3 Phoenix I.D.: AH53196

Parameter	Result	RL	Units	Date	Time	By	Reference
Nitrobenzene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Pentachlorophenol	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Phenanthrene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Phenol	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Pyrene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Pyridine	ND	340	ug/Kg	09/22/06		KCA	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	92		%	09/22/06		KCA	SW 8270
% 2-Fluorobiphenyl	70		%	09/22/06		KCA	SW 8270
% 2-Fluorophenol	67		%	09/22/06		KCA	SW 8270
% Nitrobenzene-d5	74		%	09/22/06		KCA	SW 8270
% Phenol-d5	69		%	09/22/06		KCA	SW 8270
% Terphenyl-d14	118		%	09/22/06		KCA	SW 8270

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Limit RL=Reporting Limit

Phyllis Shiller, Laboratory Director
December 06, 2006

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH

Analysis Report

December 06, 2006

FOR: Attn: Mr. Jon Simpson
Charter Environmental Inc
72 Jonspin Road
Wilmington, MA 01887

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		09/21/06	9:00
Location Code:	CHARTER	Received by:	SW	09/21/06	15:15
Rush Request:	ADD ON	Analyzed by:	see "By" below		
P.O.#:	20331				

SDG I.D.: GAH53190
Phoenix I.D.: AH53197

Laboratory Data

Client ID: WYANDANCH SW-4

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.5	0.5	mg/Kg	09/23/06		EK	SW6010
Arsenic	< 1	1	mg/Kg	09/23/06		EK	SW6010
Barium	10.8	0.50	mg/Kg	09/23/06		EK	SW6010
Beryllium	< 0.4	0.4	mg/Kg	09/23/06		EK	SW6010
Cadmium	< 0.5	0.5	mg/Kg	09/23/06		EK	SW6010
Chromium	57.4	0.5	mg/Kg	09/23/06		EK	SW6010
Copper	25.5	0.5	mg/Kg	09/23/06		EK	SW6010
Mercury - Soil	< 0.10	0.10	mg/kg	09/22/06		RS	SW-7471
Nickel	27.2	0.5	mg/Kg	09/23/06		EK	SW6010
Lead	6.08	0.5	mg/Kg	09/23/06		EK	SW6010
Antimony	< 5	5	mg/Kg	09/23/06		EK	SW6010
Selenium	< 2.5	2.5	mg/Kg	09/23/06		EK	SW6010
TCLP Silver	< 0.01	0.01	mg/L	09/23/06		EK	E1311/SW6010
TCLP Arsenic	< 0.01	0.01	mg/L	09/23/06		EK	E1311/SW6010
TCLP Barium	0.737	0.01	mg/L	09/23/06		EK	E1311/SW6010
TCLP Cadmium	< 0.005	0.005	mg/L	09/23/06		EK	E1311/SW6010
TCLP Chromium	0.015	0.01	mg/L	09/23/06		EK	E1311/SW6010
TCLP Lead	< 0.015	0.015	mg/L	09/23/06		EK	SW1311/6010
TCLP Selenium	< 0.05	0.05	mg/L	09/23/06		EK	E1311/SW6010
TCLP Mercury	< 0.001	0.001	mg/L	09/26/06		RS	E1311/E245.1
Thallium	< 2	2	mg/Kg	09/23/06		EK	SW6010
Vanadium	4.43	0.50	mg/Kg	09/23/06		EK	6010
Zinc	8.78	0.5	mg/Kg	09/23/06		EK	SW6010
Percent Solid	97		%	09/22/06		C/D	E160.3

Client ID: WYANDANCH SW-4 Phoenix I.D.: AH53197

Parameter	Result	RL	Units	Date	Time	By	Reference
Chromium, Hexavalent	0.85	0.46	mg/Kg	12/01/06		EG	SW3060/7196
Tot.Org.Carbon	951	100	mg/kg	09/29/06		OL	EPA Kahn 6/99
Field Extraction	Completed			09/21/06		SCOTT	SW5035
Mercury Digestion	Completed			09/22/06		D	SW7471
Sieve Test	Completed			10/09/06		OL	ASTM
Soil Extraction for PCB	Completed			09/21/06		C/S/E	SW3545
Soil Ext. for Pesticide	Completed			09/21/06		C/S/E	3545
Soil Ext. for Semi- Vol	Completed			09/21/06		S/E	SW3545
TCLP Digestion Mercury	Completed			09/26/06		D	E1311/7470
TCLP Herbicides Extraction	Completed			09/22/06		O/E	SW8150 Mod
TCLP Extraction for Metals	Completed			09/21/06		D	EPA 1311
TCLP Extraction for Organics	Completed			09/21/06		D	1311
TCLP Pesticides Extraction	Completed			09/22/06		O	SW3510/3520
TCLP Semi-Volatile Extraction	Completed			09/22/06		O/K	SW3510/3520
TCLP Extraction Volatiles.	Completed			09/25/06		D	EPA 1311
Total Metals Digest	Completed			09/21/06		AG	SW846 - 3050
TCLP Metals Digestion	Completed			09/22/06		D	SW846 - 3005
Polychlorinated Biphenyls							
PCB-1016	ND	400	ug/Kg	09/22/06		MH	SW 8082
PCB-1221	ND	400	ug/Kg	09/22/06		MH	SW 8082
PCB-1232	ND	400	ug/Kg	09/22/06		MH	SW 8082
PCB-1242	ND	400	ug/Kg	09/22/06		MH	SW 8082
PCB-1248	ND	400	ug/Kg	09/22/06		MH	SW 8082
PCB-1254	ND	400	ug/Kg	09/22/06		MH	SW 8082
PCB-1260	ND	400	ug/Kg	09/22/06		MH	SW 8082
PCB-1262	ND	400	ug/Kg	09/22/06		MH	SW 8082
PCB-1268	ND	400	ug/Kg	09/22/06		MH	SW 8082
QA/QC Surrogates							
% DCBP (Surrogate Rec)	122		%	09/22/06		MH	SW 8082
% TCMX (Surrogate Rec)	106		%	09/22/06		MH	SW 8082
Pesticides - Soil							
4,4' -DDD	ND	32	ug/Kg	09/22/06		MH	SW8081
4,4' -DDE	ND	32	ug/Kg	09/22/06		MH	SW8081
4,4' -DDT	ND	32	ug/Kg	09/22/06		MH	SW8081
a-BHC	ND	16	ug/Kg	09/22/06		MH	SW8081
Aldrin	ND	7	ug/Kg	09/22/06		MH	SW8081
b-BHC	ND	16	ug/Kg	09/22/06		MH	SW8081
Chlordane	ND	66	ug/Kg	09/22/06		MH	SW8081
d-BHC	ND	16	ug/Kg	09/22/06		MH	SW8081
Dieldrin	ND	7.0	ug/Kg	09/22/06		MH	SW8081
Endosulfan I	ND	16	ug/Kg	09/22/06		MH	SW8081
Endosulfan II	ND	32	ug/Kg	09/22/06		MH	SW8081
Endosulfan sulfate	ND	32	ug/Kg	09/22/06		MH	SW8081

Client ID: WYANDANCH SW-4 Phoenix I.D.: AH53197

Parameter	Result	RL	Units	Date	Time	By	Reference
Endrin	ND	32	ug/Kg	09/22/06		MH	SW8081
Endrin aldehyde	ND	32	ug/Kg	09/22/06		MH	SW8081
Endrin ketone	ND	32	ug/Kg	09/22/06		MH	SW8081
g-BHC	ND	16	ug/Kg	09/22/06		MH	SW8081
Heptachlor	ND	13	ug/Kg	09/22/06		MH	SW8081
Heptachlor epoxide	ND	16	ug/Kg	09/22/06		MH	SW8081
Methoxychlor	ND	160	ug/Kg	09/22/06		MH	SW8081
Toxaphene	ND	160	ug/Kg	09/22/06		MH	SW8081
QA/QC Surrogates							
% DCBP (Surrogate Rec)	88		%	09/22/06		MH	SW8081
% TCMX (Surrogate Rec)	96		%	09/22/06		MH	SW8081
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	1.0	ug/L	09/27/06		KCA	SW8151
2,4-D	ND	5.0	ug/L	09/27/06		KCA	SW8151
QA/QC Surrogates							
% DCAA (Surrogate Rec)	79		%	09/27/06		KCA	SW8151
TCLP Pesticides							
4,4' -DDD	ND	0.1	ug/L	09/25/06		MH	SW 8081
4,4' -DDE	ND	0.1	ug/L	09/25/06		MH	SW 8081
4,4' -DDT	ND	0.1	ug/L	09/25/06		MH	SW 8081
a-BHC	ND	0.05	ug/L	09/25/06		MH	SW 8081
Aldrin	ND	0.05	ug/L	09/25/06		MH	SW 8081
b-BHC	ND	0.05	ug/L	09/25/06		MH	SW 8081
Chlordane	ND	0.3	ug/L	09/25/06		MH	SW 8081
d-BHC	ND	0.05	ug/L	09/25/06		MH	SW 8081
Dieldrin	ND	0.1	ug/L	09/25/06		MH	SW 8081
Endosulfan I	ND	0.05	ug/L	09/25/06		MH	SW 8081
Endosulfan II	ND	0.1	ug/L	09/25/06		MH	SW 8081
Endosulfan Sulfate	ND	0.1	ug/L	09/25/06		MH	SW 8081
Endrin	ND	0.1	ug/L	09/25/06		MH	SW 8081
Endrin Aldehyde	ND	0.1	ug/L	09/25/06		MH	SW 8081
g-BHC (Lindane)	ND	0.05	ug/L	09/25/06		MH	SW 8081
Heptachlor	ND	0.05	ug/L	09/25/06		MH	SW 8081
Heptachlor epoxide	ND	0.05	ug/L	09/25/06		MH	SW 8081
Methoxychlor	ND	0.2	ug/L	09/25/06		MH	SW 8081
Toxaphene	ND	1.0	ug/L	09/25/06		MH	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	116		%	09/25/06		MH	SW 8081
%TCMX (Surrogate Rec)	106		%	09/25/06		MH	SW 8081
TCLP Volatiles							
1,1-Dichloroethylene	ND	50	ug/L	09/27/06		R/J	SW 8260

Client ID: WYANDANCH SW-4 Phoenix I.D.: AH53197

Parameter	Result	RL	Units	Date	Time	By	Reference
1,2-Dichloroethane	ND	50	ug/L	09/27/06		R/J	SW 8260
Benzene	ND	50	ug/L	09/27/06		R/J	SW 8260
Carbon tetrachloride	ND	50	ug/L	09/27/06		R/J	SW 8260
Chlorobenzene	ND	50	ug/L	09/27/06		R/J	SW 8260
Chloroform	ND	50	ug/L	09/27/06		R/J	SW 8260
Methyl ethyl ketone	ND	50	ug/L	09/27/06		R/J	SW 8260
Tetrachloroethene	ND	50	ug/L	09/27/06		R/J	SW 8260
Trichloroethene	ND	50	ug/L	09/27/06		R/J	SW 8260
Vinyl chloride	ND	50	ug/L	09/27/06		R/J	SW 8260
QA/QC Surrogates							
%4-Bromofluorobenzene (Surrogate)	88		%	09/27/06		R/J	SW 8260
Volatiles							
1,1,1,2-Tetrachloroethane	ND	1.9	ug/Kg	09/23/06		R/J	SW8260
1,1,1-Trichloroethane	ND	1.9	ug/Kg	09/23/06		R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	1.9	ug/Kg	09/23/06		R/J	SW8260
1,1,2-Trichloroethane	ND	1.9	ug/Kg	09/23/06		R/J	SW8260
1,1-Dichloroethane	ND	1.9	ug/Kg	09/23/06		R/J	SW8260
1,1-Dichloroethene	ND	1.9	ug/Kg	09/23/06		R/J	SW8260
1,1-Dichloropropene	ND	1.9	ug/Kg	09/23/06		R/J	SW8260
1,2,3-Trichlorobenzene	ND	1.9	ug/Kg	09/23/06		R/J	SW8260
1,2,3-Trichloropropane	ND	1.9	ug/Kg	09/23/06		R/J	SW8260
1,2,4-Trichlorobenzene	ND	1.9	ug/Kg	09/23/06		R/J	SW8260
1,2,4-Trimethylbenzene	ND	1.9	ug/Kg	09/23/06		R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	1.9	ug/Kg	09/23/06		R/J	SW8260
1,2-Dichlorobenzene	ND	1.9	ug/Kg	09/23/06		R/J	SW8260
1,2-Dichloroethane	ND	1.9	ug/Kg	09/23/06		R/J	SW8260
1,2-Dichloropropane	ND	1.9	ug/Kg	09/23/06		R/J	SW8260
1,3,5-Trimethylbenzene	ND	1.9	ug/Kg	09/23/06		R/J	SW8260
1,3-Dichlorobenzene	ND	1.9	ug/Kg	09/23/06		R/J	SW8260
1,3-Dichloropropane	ND	1.9	ug/Kg	09/23/06		R/J	SW8260
1,4-Dichlorobenzene	ND	1.9	ug/Kg	09/23/06		R/J	SW8260
2,2-Dichloropropane	ND	1.9	ug/Kg	09/23/06		R/J	SW8260
2-Chlorotoluene	ND	1.9	ug/Kg	09/23/06		R/J	SW8260
2-Hexanone	ND	9.5	ug/Kg	09/23/06		R/J	SW8260
2-Isopropyltoluene	ND	1.9	ug/Kg	09/23/06		R/J	SW8260
4-Chlorotoluene	ND	1.9	ug/Kg	09/23/06		R/J	SW8260
4-Methyl-2-pentanone	ND	9.5	ug/Kg	09/23/06		R/J	SW8260
Acetone	16	9.5	ug/Kg	09/23/06		R/J	SW8260
Acrylonitrile	ND	3.8	ug/Kg	09/23/06		R/J	SW8260
Benzene	ND	1.9	ug/Kg	09/23/06		R/J	SW8260
Bromobenzene	ND	1.9	ug/Kg	09/23/06		R/J	SW8260
Bromochloromethane	ND	1.9	ug/Kg	09/23/06		R/J	SW8260
Bromodichloromethane	ND	1.9	ug/Kg	09/23/06		R/J	SW8260

Client ID: WYANDANCH SW-4 Phoenix I.D.: AH53197

Parameter	Result	RL	Units	Date	Time	By	Reference
Bromoform	ND	1.9	ug/Kg	09/23/06		R/J	SW8260
Bromomethane	ND	1.9	ug/Kg	09/23/06		R/J	SW8260
Carbon Disulfide	ND	1.9	ug/Kg	09/23/06		R/J	SW8260
Carbon tetrachloride	ND	1.9	ug/Kg	09/23/06		R/J	SW8260
Chlorobenzene	ND	1.9	ug/Kg	09/23/06		R/J	SW8260
Chloroethane	ND	1.9	ug/Kg	09/23/06		R/J	SW8260
Chloroform	ND	1.9	ug/Kg	09/23/06		R/J	SW8260
Chloromethane	ND	1.9	ug/Kg	09/23/06		R/J	SW8260
cis-1,2-Dichloroethene	ND	1.9	ug/Kg	09/23/06		R/J	SW8260
cis-1,3-Dichloropropene	ND	1.9	ug/Kg	09/23/06		R/J	SW8260
Dibromochloromethane	ND	1.9	ug/Kg	09/23/06		R/J	SW8260
Dibromoethane	ND	1.9	ug/Kg	09/23/06		R/J	SW8260
Dibromomethane	ND	1.9	ug/Kg	09/23/06		R/J	SW8260
Dichlorodifluoromethane	ND	1.9	ug/Kg	09/23/06		R/J	SW8260
Ethylbenzene	ND	1.9	ug/Kg	09/23/06		R/J	SW8260
Hexachlorobutadiene	ND	1.9	ug/Kg	09/23/06		R/J	SW8260
Isopropylbenzene	ND	1.9	ug/Kg	09/23/06		R/J	SW8260
m&p-Xylene	ND	1.9	ug/Kg	09/23/06		R/J	SW8260
Methyl Ethyl Ketone	ND	11	ug/Kg	09/23/06		R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	3.8	ug/Kg	09/23/06		R/J	SW8260
Methylene chloride	ND	1.9	ug/Kg	09/23/06		R/J	SW8260
n-Butylbenzene	ND	1.9	ug/Kg	09/23/06		R/J	SW8260
n-Propylbenzene	ND	1.9	ug/Kg	09/23/06		R/J	SW8260
Naphthalene	ND	1.9	ug/Kg	09/23/06		R/J	SW8260
o-Xylene	ND	1.9	ug/Kg	09/23/06		R/J	SW8260
p-Isopropyltoluene	ND	1.9	ug/Kg	09/23/06		R/J	SW8260
sec-Butylbenzene	ND	1.9	ug/Kg	09/23/06		R/J	SW8260
Styrene	ND	1.9	ug/Kg	09/23/06		R/J	SW8260
tert-Butylbenzene	ND	1.9	ug/Kg	09/23/06		R/J	SW8260
Tetrachloroethene	ND	1.9	ug/Kg	09/23/06		R/J	SW8260
Tetrahydrofuran (THF)	ND	3.8	ug/Kg	09/23/06		R/J	SW8260
Toluene	ND	1.9	ug/Kg	09/23/06		R/J	SW8260
Total Xylenes	ND	1.9	ug/Kg	09/23/06		R/J	SW8260
trans-1,2-Dichloroethene	ND	1.9	ug/Kg	09/23/06		R/J	SW8260
trans-1,3-Dichloropropene	ND	1.9	ug/Kg	09/23/06		R/J	SW8260
trans-1,4-dichloro-2-butene	ND	3.8	ug/Kg	09/23/06		R/J	SW8260
Trichloroethene	ND	1.9	ug/Kg	09/23/06		R/J	SW8260
Trichlorofluoromethane	ND	1.9	ug/Kg	09/23/06		R/J	SW8260
Trichlorotrifluoroethane	ND	1.9	ug/Kg	09/23/06		R/J	SW8260
Vinyl chloride	ND	1.9	ug/Kg	09/23/06		R/J	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	106		%	09/23/06		R/J	SW8260
% Bromofluorobenzene	101		%	09/23/06		R/J	SW8260
% Dibromofluoromethane	112		%	09/23/06		R/J	SW8260

Client ID: WYANDANCH SW-4 Phoenix I.D.: AH53197

Parameter	Result	RL	Units	Date	Time	By	Reference
% Toluene-d8	98		%	09/23/06		R/J	SW8260
TCLP Acid/Base-Neutral							
1,4-Dichlorobenzene	ND	100	ug/L	09/25/06		KCA	SW 8270
2,4,5-Trichlorophenol	ND	100	ug/L	09/25/06		KCA	SW 8270
2,4,6-Trichlorophenol	ND	100	ug/L	09/25/06		KCA	SW 8270
2,4-Dinitrotoluene	ND	100	ug/L	09/25/06		KCA	SW 8270
2-Methylphenol (o-cresol)	ND	100	ug/L	09/25/06		KCA	SW 8270
3&4-Methylphenol (m&p-Cresol)	ND	100	ug/L	09/25/06		KCA	SW 8270
Hexachlorobenzene	ND	100	ug/L	09/25/06		KCA	SW 8270
Hexachlorobutadiene	ND	100	ug/L	09/25/06		KCA	SW 8270
Hexachloroethane	ND	100	ug/L	09/25/06		KCA	SW 8270
Nitrobenzene	ND	100	ug/L	09/25/06		KCA	SW 8270
Pentachlorophenol	ND	500	ug/L	09/25/06		KCA	SW 8270
Pyridine	ND	100	ug/L	09/25/06		KCA	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	77		%	09/25/06		KCA	SW 8270
% 2-Fluorobiphenyl	82		%	09/25/06		KCA	SW 8270
% 2-Fluorophenol	76		%	09/25/06		KCA	SW 8270
% Nitrobenzene-d5	95		%	09/25/06		KCA	SW 8270
% Phenol-d5	80		%	09/25/06		KCA	SW 8270
% Terphenyl-d14	46		%	09/25/06		KCA	SW 8270
Semivolatiles							
1,2,4-Trichlorobenzene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
1,2-Dichlorobenzene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
1,2-Diphenylhydrazine	ND	340	ug/Kg	09/22/06		KCA	SW 8270
1,3-Dichlorobenzene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
1,4-Dichlorobenzene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
2,4,5-Trichlorophenol	ND	340	ug/Kg	09/22/06		KCA	SW 8270
2,4,6-Trichlorophenol	ND	340	ug/Kg	09/22/06		KCA	SW 8270
2,4-Dichlorophenol	ND	340	ug/Kg	09/22/06		KCA	SW 8270
2,4-Dimethylphenol	ND	340	ug/Kg	09/22/06		KCA	SW 8270
2,4-Dinitrophenol	ND	1000	ug/Kg	09/22/06		KCA	SW 8270
2,4-Dinitrotoluene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
2,6-Dichlorophenol	ND	340	ug/Kg	09/22/06		KCA	SW 8270
2,6-Dinitrotoluene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
2-Chloronaphthalene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
2-Chlorophenol	ND	340	ug/Kg	09/22/06		KCA	SW 8270
2-Methylnaphthalene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
2-Methylphenol (o-cresol)	ND	340	ug/Kg	09/22/06		KCA	SW 8270
2-Nitroaniline	ND	1000	ug/Kg	09/22/06		KCA	SW 8270
2-Nitrophenol	ND	340	ug/Kg	09/22/06		KCA	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	340	ug/Kg	09/22/06		KCA	SW 8270

Client ID: WYANDANCH SW-4 Phoenix I.D.: AH53197

Parameter	Result	RL	Units	Date	Time	By	Reference
3,3'-Dichlorobenzidine	ND	410	ug/Kg	09/22/06		KCA	SW 8270
3-Nitroaniline	ND	1000	ug/Kg	09/22/06		KCA	SW 8270
4,6-Dinitro-2-methylphenol	ND	1000	ug/Kg	09/22/06		KCA	SW 8270
4-Bromophenyl phenyl ether	ND	340	ug/Kg	09/22/06		KCA	SW 8270
4-Chloro-3-methylphenol	ND	410	ug/Kg	09/22/06		KCA	SW 8270
4-Chloroaniline	ND	410	ug/Kg	09/22/06		KCA	SW 8270
4-Chlorophenyl phenyl ether	ND	340	ug/Kg	09/22/06		KCA	SW 8270
4-Nitroaniline	ND	1000	ug/Kg	09/22/06		KCA	SW 8270
4-Nitrophenol	ND	1000	ug/Kg	09/22/06		KCA	SW 8270
Acenaphthene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Acenaphthylene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Anthracene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Benz(a)anthracene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Benzidine	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Benzo(a)pyrene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Benzo(b)fluoranthene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Benzo(ghi)perylene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Benzo(k)fluoranthene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Benzoic acid	ND	1000	ug/Kg	09/22/06		KCA	SW 8270
Benzyl alcohol	ND	410	ug/Kg	09/22/06		KCA	SW 8270
Benzyl butyl phthalate	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Bis(2-chloroethoxy)methane	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Bis(2-chloroethyl)ether	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Bis(2-chloroisopropyl)ether	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Bis(2-ethylhexyl)phthalate	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Chrysene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Di-n-butylphthalate	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Di-n-octylphthalate	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Dibenz(a,h)anthracene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Dibenzofuran	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Diethyl phthalate	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Dimethylphthalate	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Fluoranthene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Fluorene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Hexachlorobenzene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Hexachlorobutadiene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Hexachlorocyclopentadiene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Hexachloroethane	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Indeno(1,2,3-cd)pyrene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Isophorone	ND	340	ug/Kg	09/22/06		KCA	SW 8270
N-Nitrosodi-n-propylamine	ND	340	ug/Kg	09/22/06		KCA	SW 8270
N-Nitrosodimethylamine	ND	340	ug/Kg	09/22/06		KCA	SW 8270
N-Nitrosodiphenylamine	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Naphthalene	ND	340	ug/Kg	09/22/06		KCA	SW 8270

Client ID: WYANDANCH SW-4 Phoenix I.D.: AH53197

Parameter	Result	RL	Units	Date	Time	By	Reference
Nitrobenzene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Pentachlorophenol	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Phenanthrene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Phenol	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Pyrene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Pyridine	ND	340	ug/Kg	09/22/06		KCA	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	93		%	09/22/06		KCA	SW 8270
% 2-Fluorobiphenyl	81		%	09/22/06		KCA	SW 8270
% 2-Fluorophenol	69		%	09/22/06		KCA	SW 8270
% Nitrobenzene-d5	76		%	09/22/06		KCA	SW 8270
% Phenol-d5	70		%	09/22/06		KCA	SW 8270
% Terphenyl-d14	111		%	09/22/06		KCA	SW 8270

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Limit RL=Reporting Limit

Phyllis Shiller, Laboratory Director
December 06, 2006

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH

Analysis Report

December 06, 2006

FOR: Attn: Mr. Jon Simpson
Charter Environmental Inc
72 Jonspin Road
Wilmington, MA 01887

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		09/21/06	9:30
Location Code:	CHARTER	Received by:	SW	09/21/06	15:15
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20331				

SDG I.D.: GAH53190
Phoenix I.D.: AH53198

Laboratory Data

Client ID: WYANDANCH W-9

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.5	0.5	mg/Kg	09/23/06		EK	SW6010
Arsenic	< 1	1	mg/Kg	09/23/06		EK	SW6010
Barium	130	0.5	mg/Kg	09/23/06		EK	SW6010
Beryllium	< 0.4	0.4	mg/Kg	09/23/06		EK	SW6010
Cadmium	< 0.5	0.5	mg/Kg	09/23/06		EK	SW6010
Chromium	352	5	mg/Kg	09/27/06		EK	SW6010
Copper	198	5	mg/Kg	09/27/06		EK	SW6010
Mercury - Soil	< 0.10	0.10	mg/kg	09/22/06		RS	SW-7471
Nickel	140	0.5	mg/Kg	09/23/06		EK	SW6010
Lead	31.9	0.5	mg/Kg	09/23/06		EK	SW6010
Antimony	< 5	5	mg/Kg	09/23/06		EK	SW6010
Selenium	< 2.5	2.5	mg/Kg	09/23/06		EK	SW6010
TCLP Silver	< 0.01	0.01	mg/L	09/23/06		EK	E1311/SW6010
TCLP Arsenic	< 0.01	0.01	mg/L	09/23/06		EK	E1311/SW6010
TCLP Barium	2.3	0.01	mg/L	09/23/06		EK	E1311/SW6010
TCLP Cadmium	< 0.005	0.005	mg/L	09/23/06		EK	E1311/SW6010
TCLP Chromium	0.051	0.01	mg/L	09/23/06		EK	E1311/SW6010
TCLP Lead	0.051	0.015	mg/L	09/23/06		EK	SW1311/6010
TCLP Selenium	< 0.05	0.05	mg/L	09/23/06		EK	E1311/SW6010
TCLP Mercury	< 0.001	0.001	mg/L	09/26/06		RS	E1311/E245.1
Thallium	< 2	2	mg/Kg	09/23/06		EK	SW6010
Vanadium	6.15	0.5	mg/Kg	09/23/06		EK	6010
Zinc	42.7	0.5	mg/Kg	09/23/06		EK	SW6010
Percent Solid	94		%	09/22/06		C/D	E160.3

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Parameter	Result	RL	Units	Date	Time	By	Reference
Chromium, Hexavalent	6.69	0.47	mg/Kg	12/04/06		CL	SW3060/7196
Tot.Org.Carbon	1560	100	mg/kg	09/29/06		OL	EPA Kahn 6/99
Field Extraction	Completed			09/21/06		SCOTT	SW5035
Mercury Digestion	Completed			09/22/06		D	SW7471
Sieve Test	Completed			10/09/06		OL	ASTM
Soil Extraction for PCB	Completed			09/21/06		C/S/E	SW3545
Soil Ext. for Pesticide	Completed			09/21/06		C/S/E	3545
Soil Ext. for Semi- Vol	Completed			09/21/06		S/E	SW3545
TCLP Digestion Mercury	Completed			09/26/06		D	E1311/7470
TCLP Herbicides Extraction	Completed			09/22/06		O/E	SW8150 Mod
TCLP Extraction for Metals	Completed			09/21/06		D	EPA 1311
TCLP Extraction for Organics	Completed			09/21/06		D	1311
TCLP Pesticides Extraction	Completed			09/22/06		O	SW3510/3520
TCLP Semi-Volatile Extraction	Completed			09/22/06		O/K	SW3510/3520
TCLP Extraction Volatiles.	Completed			09/25/06		C	EPA 1311
Total Metals Digest	Completed			09/21/06		AG	SW846 - 3050
TCLP Metals Digestion	Completed			09/22/06		D	SW846 - 3005
Polychlorinated Biphenyls							
PCB-1016	ND	400	ug/Kg	09/22/06		MH	SW 8082
PCB-1221	ND	400	ug/Kg	09/22/06		MH	SW 8082
PCB-1232	ND	400	ug/Kg	09/22/06		MH	SW 8082
PCB-1242	ND	400	ug/Kg	09/22/06		MH	SW 8082
PCB-1248	ND	400	ug/Kg	09/22/06		MH	SW 8082
PCB-1254	ND	400	ug/Kg	09/22/06		MH	SW 8082
PCB-1260	ND	400	ug/Kg	09/22/06		MH	SW 8082
PCB-1262	ND	400	ug/Kg	09/22/06		MH	SW 8082
PCB-1268	ND	400	ug/Kg	09/22/06		MH	SW 8082
QA/QC Surrogates							
% DCBP (Surrogate Rec)	128		%	09/22/06		MH	SW 8082
% TCMX (Surrogate Rec)	118		%	09/22/06		MH	SW 8082
Pesticides - Soil							
4,4' -DDD	ND	32	ug/Kg	09/22/06		MH	SW8081
4,4' -DDE	ND	32	ug/Kg	09/22/06		MH	SW8081
4,4' -DDT	ND	32	ug/Kg	09/22/06		MH	SW8081
a-BHC	ND	16	ug/Kg	09/22/06		MH	SW8081
Aldrin	ND	7	ug/Kg	09/22/06		MH	SW8081
b-BHC	ND	16	ug/Kg	09/22/06		MH	SW8081
Chlordane	ND	66	ug/Kg	09/22/06		MH	SW8081
d-BHC	ND	16	ug/Kg	09/22/06		MH	SW8081
Dieldrin	ND	7.0	ug/Kg	09/22/06		MH	SW8081
Endosulfan I	ND	16	ug/Kg	09/22/06		MH	SW8081
Endosulfan II	ND	32	ug/Kg	09/22/06		MH	SW8081
Endosulfan sulfate	ND	32	ug/Kg	09/22/06		MH	SW8081

Parameter	Result	RL	Units	Date	Time	By	Reference
Endrin	ND	32	ug/Kg	09/22/06		MH	SW8081
Endrin aldehyde	ND	32	ug/Kg	09/22/06		MH	SW8081
Endrin ketone	ND	32	ug/Kg	09/22/06		MH	SW8081
g-BHC	ND	16	ug/Kg	09/22/06		MH	SW8081
Heptachlor	ND	13	ug/Kg	09/22/06		MH	SW8081
Heptachlor epoxide	ND	16	ug/Kg	09/22/06		MH	SW8081
Methoxychlor	ND	160	ug/Kg	09/22/06		MH	SW8081
Toxaphene	ND	160	ug/Kg	09/22/06		MH	SW8081
QA/QC Surrogates							
% DCBP (Surrogate Rec)	87		%	09/22/06		MH	SW8081
% TCMX (Surrogate Rec)	94		%	09/22/06		MH	SW8081
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	1.0	ug/L	09/27/06		KCA	SW8151
2,4-D	ND	5.0	ug/L	09/27/06		KCA	SW8151
QA/QC Surrogates							
% DCAA (Surrogate Rec)	112		%	09/27/06		KCA	SW8151
TCLP Pesticides							
4,4'-DDD	ND	0.1	ug/L	09/25/06		MH	SW 8081
4,4'-DDE	ND	0.1	ug/L	09/25/06		MH	SW 8081
4,4'-DDT	ND	0.1	ug/L	09/25/06		MH	SW 8081
a-BHC	ND	0.05	ug/L	09/25/06		MH	SW 8081
Aldrin	ND	0.05	ug/L	09/25/06		MH	SW 8081
b-BHC	ND	0.05	ug/L	09/25/06		MH	SW 8081
Chlordane	ND	0.3	ug/L	09/25/06		MH	SW 8081
d-BHC	ND	0.05	ug/L	09/25/06		MH	SW 8081
Dieldrin	ND	0.1	ug/L	09/25/06		MH	SW 8081
Endosulfan I	ND	0.05	ug/L	09/25/06		MH	SW 8081
Endosulfan II	ND	0.1	ug/L	09/25/06		MH	SW 8081
Endosulfan Sulfate	ND	0.1	ug/L	09/25/06		MH	SW 8081
Endrin	ND	0.1	ug/L	09/25/06		MH	SW 8081
Endrin Aldehyde	ND	0.1	ug/L	09/25/06		MH	SW 8081
g-BHC (Lindane)	ND	0.05	ug/L	09/25/06		MH	SW 8081
Heptachlor	ND	0.05	ug/L	09/25/06		MH	SW 8081
Heptachlor epoxide	ND	0.05	ug/L	09/25/06		MH	SW 8081
Methoxychlor	ND	0.2	ug/L	09/25/06		MH	SW 8081
Toxaphene	ND	1.0	ug/L	09/25/06		MH	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	117		%	09/25/06		MH	SW 8081
%TCMX (Surrogate Rec)	92		%	09/25/06		MH	SW 8081
TCLP Volatiles							
1,1-Dichloroethylene	ND	50	ug/L	09/27/06		R/J	SW 8260

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Parameter	Result	RL	Units	Date	Time	By	Reference
1,2-Dichloroethane	ND	50	ug/L	09/27/06		R/J	SW 8260
Benzene	ND	50	ug/L	09/27/06		R/J	SW 8260
Carbon tetrachloride	ND	50	ug/L	09/27/06		R/J	SW 8260
Chlorobenzene	ND	50	ug/L	09/27/06		R/J	SW 8260
Chloroform	ND	50	ug/L	09/27/06		R/J	SW 8260
Methyl ethyl ketone	ND	50	ug/L	09/27/06		R/J	SW 8260
Tetrachloroethene	ND	50	ug/L	09/27/06		R/J	SW 8260
Trichloroethene	ND	50	ug/L	09/27/06		R/J	SW 8260
Vinyl chloride	ND	50	ug/L	09/27/06		R/J	SW 8260
QA/QC Surrogates							
%4-Bromofluorobenzene (Surrogate)	92		%	09/27/06		R/J	SW 8260
Volatiles							
1,1,1,2-Tetrachloroethane	ND	3.2	ug/Kg	09/26/06		R/J	SW8260
1,1,1-Trichloroethane	ND	3.2	ug/Kg	09/26/06		R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	3.2	ug/Kg	09/26/06		R/J	SW8260
1,1,2-Trichloroethane	ND	3.2	ug/Kg	09/26/06		R/J	SW8260
1,1-Dichloroethane	ND	3.2	ug/Kg	09/26/06		R/J	SW8260
1,1-Dichloroethene	ND	3.2	ug/Kg	09/26/06		R/J	SW8260
1,1-Dichloropropene	ND	3.2	ug/Kg	09/26/06		R/J	SW8260
1,2,3-Trichlorobenzene	ND	3.2	ug/Kg	09/26/06		R/J	SW8260
1,2,3-Trichloropropane	ND	3.2	ug/Kg	09/26/06		R/J	SW8260
1,2,4-Trichlorobenzene	ND	3.2	ug/Kg	09/26/06		R/J	SW8260
1,2,4-Trimethylbenzene	ND	3.2	ug/Kg	09/26/06		R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	3.2	ug/Kg	09/26/06		R/J	SW8260
1,2-Dichlorobenzene	ND	3.2	ug/Kg	09/26/06		R/J	SW8260
1,2-Dichloroethane	ND	3.2	ug/Kg	09/26/06		R/J	SW8260
1,2-Dichloropropane	ND	3.2	ug/Kg	09/26/06		R/J	SW8260
1,3,5-Trimethylbenzene	ND	3.2	ug/Kg	09/26/06		R/J	SW8260
1,3-Dichlorobenzene	ND	3.2	ug/Kg	09/26/06		R/J	SW8260
1,3-Dichloropropane	ND	3.2	ug/Kg	09/26/06		R/J	SW8260
1,4-Dichlorobenzene	ND	3.2	ug/Kg	09/26/06		R/J	SW8260
2,2-Dichloropropane	ND	3.2	ug/Kg	09/26/06		R/J	SW8260
2-Chlorotoluene	ND	3.2	ug/Kg	09/26/06		R/J	SW8260
2-Hexanone	ND	16	ug/Kg	09/26/06		R/J	SW8260
2-Isopropyltoluene	ND	3.2	ug/Kg	09/26/06		R/J	SW8260
4-Chlorotoluene	ND	3.2	ug/Kg	09/26/06		R/J	SW8260
4-Methyl-2-pentanone	ND	16	ug/Kg	09/26/06		R/J	SW8260
Acetone	17	16	ug/Kg	09/26/06		R/J	SW8260
Acrylonitrile	ND	6.3	ug/Kg	09/26/06		R/J	SW8260
Benzene	ND	3.2	ug/Kg	09/26/06		R/J	SW8260
Bromobenzene	ND	3.2	ug/Kg	09/26/06		R/J	SW8260
Bromochloromethane	ND	3.2	ug/Kg	09/26/06		R/J	SW8260
Bromodichloromethane	ND	3.2	ug/Kg	09/26/06		R/J	SW8260

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Parameter	Result	RL	Units	Date	Time	By	Reference
Bromoform	ND	3.2	ug/Kg	09/26/06		R/J	SW8260
Bromomethane	ND	3.2	ug/Kg	09/26/06		R/J	SW8260
Carbon Disulfide	ND	3.2	ug/Kg	09/26/06		R/J	SW8260
Carbon tetrachloride	ND	3.2	ug/Kg	09/26/06		R/J	SW8260
Chlorobenzene	ND	3.2	ug/Kg	09/26/06		R/J	SW8260
Chloroethane	ND	3.2	ug/Kg	09/26/06		R/J	SW8260
Chloroform	ND	3.2	ug/Kg	09/26/06		R/J	SW8260
Chloromethane	ND	3.2	ug/Kg	09/26/06		R/J	SW8260
cis-1,2-Dichloroethene	ND	3.2	ug/Kg	09/26/06		R/J	SW8260
cis-1,3-Dichloropropene	ND	3.2	ug/Kg	09/26/06		R/J	SW8260
Dibromochloromethane	ND	3.2	ug/Kg	09/26/06		R/J	SW8260
Dibromoethane	ND	3.2	ug/Kg	09/26/06		R/J	SW8260
Dibromomethane	ND	3.2	ug/Kg	09/26/06		R/J	SW8260
Dichlorodifluoromethane	ND	3.2	ug/Kg	09/26/06		R/J	SW8260
Ethylbenzene	ND	3.2	ug/Kg	09/26/06		R/J	SW8260
Hexachlorobutadiene	ND	3.2	ug/Kg	09/26/06		R/J	SW8260
Isopropylbenzene	ND	3.2	ug/Kg	09/26/06		R/J	SW8260
m&p-Xylene	ND	3.2	ug/Kg	09/26/06		R/J	SW8260
Methyl Ethyl Ketone	ND	19	ug/Kg	09/26/06		R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	6.3	ug/Kg	09/26/06		R/J	SW8260
Methylene chloride	ND	3.2	ug/Kg	09/26/06		R/J	SW8260
n-Butylbenzene	ND	3.2	ug/Kg	09/26/06		R/J	SW8260
n-Propylbenzene	ND	3.2	ug/Kg	09/26/06		R/J	SW8260
Naphthalene	ND	3.2	ug/Kg	09/26/06		R/J	SW8260
o-Xylene	ND	3.2	ug/Kg	09/26/06		R/J	SW8260
p-Isopropyltoluene	ND	3.2	ug/Kg	09/26/06		R/J	SW8260
sec-Butylbenzene	ND	3.2	ug/Kg	09/26/06		R/J	SW8260
Styrene	ND	3.2	ug/Kg	09/26/06		R/J	SW8260
tert-Butylbenzene	ND	3.2	ug/Kg	09/26/06		R/J	SW8260
Tetrachloroethene	ND	3.2	ug/Kg	09/26/06		R/J	SW8260
Tetrahydrofuran (THF)	ND	6.3	ug/Kg	09/26/06		R/J	SW8260
Toluene	ND	3.2	ug/Kg	09/26/06		R/J	SW8260
Total Xylenes	ND	3.2	ug/Kg	09/26/06		R/J	SW8260
trans-1,2-Dichloroethene	ND	3.2	ug/Kg	09/26/06		R/J	SW8260
trans-1,3-Dichloropropene	ND	3.2	ug/Kg	09/26/06		R/J	SW8260
trans-1,4-dichloro-2-butene	ND	6.3	ug/Kg	09/26/06		R/J	SW8260
Trichloroethene	ND	3.2	ug/Kg	09/26/06		R/J	SW8260
Trichlorofluoromethane	ND	3.2	ug/Kg	09/26/06		R/J	SW8260
Trichlorotrifluoroethane	ND	3.2	ug/Kg	09/26/06		R/J	SW8260
Vinyl chloride	ND	3.2	ug/Kg	09/26/06		R/J	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	105		%	09/26/06		R/J	SW8260
% Bromofluorobenzene	133*		%	09/26/06		R/J	SW8260
% Dibromofluoromethane	110		%	09/26/06		R/J	SW8260

Parameter	Result	RL	Units	Date	Time	By	Reference
% Toluene-d8	97		%	09/26/06		R/J	SW8260
TCLP Acid/Base-Neutral							
1,4-Dichlorobenzene	ND	100	ug/L	09/25/06		KCA	SW 8270
2,4,5-Trichlorophenol	ND	100	ug/L	09/25/06		KCA	SW 8270
2,4,6-Trichlorophenol	ND	100	ug/L	09/25/06		KCA	SW 8270
2,4-Dinitrotoluene	ND	100	ug/L	09/25/06		KCA	SW 8270
2-Methylphenol (o-cresol)	ND	100	ug/L	09/25/06		KCA	SW 8270
3&4-Methylphenol (m&p-Cresol)	ND	100	ug/L	09/25/06		KCA	SW 8270
Hexachlorobenzene	ND	100	ug/L	09/25/06		KCA	SW 8270
Hexachlorobutadiene	ND	100	ug/L	09/25/06		KCA	SW 8270
Hexachloroethane	ND	100	ug/L	09/25/06		KCA	SW 8270
Nitrobenzene	ND	100	ug/L	09/25/06		KCA	SW 8270
Pentachlorophenol	ND	500	ug/L	09/25/06		KCA	SW 8270
Pyridine	ND	100	ug/L	09/25/06		KCA	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	85		%	09/25/06		KCA	SW 8270
% 2-Fluorobiphenyl	90		%	09/25/06		KCA	SW 8270
% 2-Fluorophenol	46		%	09/25/06		KCA	SW 8270
% Nitrobenzene-d5	100		%	09/25/06		KCA	SW 8270
% Phenol-d5	85		%	09/25/06		KCA	SW 8270
% Terphenyl-d14	99		%	09/25/06		KCA	SW 8270
Semivolatiles							
1,2,4-Trichlorobenzene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
1,2-Dichlorobenzene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
1,2-Diphenylhydrazine	ND	340	ug/Kg	09/22/06		KCA	SW 8270
1,3-Dichlorobenzene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
1,4-Dichlorobenzene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
2,4,5-Trichlorophenol	ND	340	ug/Kg	09/22/06		KCA	SW 8270
2,4,6-Trichlorophenol	ND	340	ug/Kg	09/22/06		KCA	SW 8270
2,4-Dichlorophenol	ND	340	ug/Kg	09/22/06		KCA	SW 8270
2,4-Dimethylphenol	ND	340	ug/Kg	09/22/06		KCA	SW 8270
2,4-Dinitrophenol	ND	990	ug/Kg	09/22/06		KCA	SW 8270
2,4-Dinitrotoluene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
2,6-Dichlorophenol	ND	340	ug/Kg	09/22/06		KCA	SW 8270
2,6-Dinitrotoluene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
2-Chloronaphthalene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
2-Chlorophenol	ND	340	ug/Kg	09/22/06		KCA	SW 8270
2-Methylnaphthalene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
2-Methylphenol (o-cresol)	ND	340	ug/Kg	09/22/06		KCA	SW 8270
2-Nitroaniline	ND	990	ug/Kg	09/22/06		KCA	SW 8270
2-Nitrophenol	ND	340	ug/Kg	09/22/06		KCA	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	340	ug/Kg	09/22/06		KCA	SW 8270

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Parameter	Result	RL	Units	Date	Time	By	Reference
3,3'-Dichlorobenzidine	ND	410	ug/Kg	09/22/06		KCA	SW 8270
3-Nitroaniline	ND	990	ug/Kg	09/22/06		KCA	SW 8270
4,6-Dinitro-2-methylphenol	ND	990	ug/Kg	09/22/06		KCA	SW 8270
4-Bromophenyl phenyl ether	ND	340	ug/Kg	09/22/06		KCA	SW 8270
4-Chloro-3-methylphenol	ND	410	ug/Kg	09/22/06		KCA	SW 8270
4-Chloroaniline	ND	410	ug/Kg	09/22/06		KCA	SW 8270
4-Chlorophenyl phenyl ether	ND	340	ug/Kg	09/22/06		KCA	SW 8270
4-Nitroaniline	ND	990	ug/Kg	09/22/06		KCA	SW 8270
4-Nitrophenol	ND	990	ug/Kg	09/22/06		KCA	SW 8270
Acenaphthene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Acenaphthylene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Anthracene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Benz(a)anthracene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Benzidine	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Benzo(a)pyrene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Benzo(b)fluoranthene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Benzo(ghi)perylene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Benzo(k)fluoranthene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Benzoic acid	ND	990	ug/Kg	09/22/06		KCA	SW 8270
Benzyl alcohol	ND	410	ug/Kg	09/22/06		KCA	SW 8270
Benzyl butyl phthalate	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Bis(2-chloroethoxy)methane	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Bis(2-chloroethyl)ether	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Bis(2-chloroisopropyl)ether	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Bis(2-ethylhexyl)phthalate	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Chrysene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Di-n-butylphthalate	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Di-n-octylphthalate	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Dibenz(a,h)anthracene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Dibenzofuran	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Diethyl phthalate	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Dimethylphthalate	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Fluoranthene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Fluorene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Hexachlorobenzene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Hexachlorobutadiene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Hexachlorocyclopentadiene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Hexachloroethane	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Indeno(1,2,3-cd)pyrene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Isophorone	ND	340	ug/Kg	09/22/06		KCA	SW 8270
N-Nitrosodi-n-propylamine	ND	340	ug/Kg	09/22/06		KCA	SW 8270
N-Nitrosodimethylamine	ND	340	ug/Kg	09/22/06		KCA	SW 8270
N-Nitrosodiphenylamine	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Naphthalene	ND	340	ug/Kg	09/22/06		KCA	SW 8270

Client ID: WYANDANCH W-9 Phoenix I.D.: AH53198

Parameter	Result	RL	Units	Date	Time	By	Reference
Nitrobenzene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Pentachlorophenol	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Phenanthrene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Phenol	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Pyrene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Pyridine	ND	340	ug/Kg	09/22/06		KCA	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	76		%	09/22/06		KCA	SW 8270
% 2-Fluorobiphenyl	74		%	09/22/06		KCA	SW 8270
% 2-Fluorophenol	62		%	09/22/06		KCA	SW 8270
% Nitrobenzene-d5	70		%	09/22/06		KCA	SW 8270
% Phenol-d5	63		%	09/22/06		KCA	SW 8270
% Terphenyl-d14	99		%	09/22/06		KCA	SW 8270

Comments:

*Surrogate recovery outside of control limits due to co-eluting non-target compounds.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Limit RL=Reporting Limit

Phyllis Shiller, Laboratory Director
December 06, 2006

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH

Analysis Report

December 06, 2006

FOR: Attn: Mr. Jon Simpson
Charter Environmental Inc
72 Jonspin Road
Wilmington, MA 01887

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		09/21/06	10:30
Location Code:	CHARTER	Received by:	SW	09/21/06	15:15
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20331				

SDG I.D.: GAH53190
Phoenix I.D.: AH53199

Laboratory Data

Client ID: WYANDANCH NW-13

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.5	0.5	mg/Kg	09/23/06		EK	SW6010
Arsenic	< 1	1	mg/Kg	09/23/06		EK	SW6010
Barium	38.5	0.5	mg/Kg	09/23/06		EK	SW6010
Beryllium	< 0.4	0.4	mg/Kg	09/23/06		EK	SW6010
Cadmium	< 0.5	0.5	mg/Kg	09/23/06		EK	SW6010
Chromium	85.3	0.5	mg/Kg	09/23/06		EK	SW6010
Copper	34.1	0.5	mg/Kg	09/23/06		EK	SW6010
Mercury - Soil	< 0.10	0.10	mg/kg	09/22/06		RS	SW-7471
Nickel	37.2	0.5	mg/Kg	09/23/06		EK	SW6010
Lead	5.73	0.5	mg/Kg	09/23/06		EK	SW6010
Antimony	< 5	5	mg/Kg	09/23/06		EK	SW6010
Selenium	< 2.5	2.5	mg/Kg	09/23/06		EK	SW6010
TCLP Silver	< 0.01	0.01	mg/L	09/23/06		EK	E1311/SW6010
TCLP Arsenic	< 0.01	0.01	mg/L	09/23/06		EK	E1311/SW6010
TCLP Barium	1.82	0.01	mg/L	09/23/06		EK	E1311/SW6010
TCLP Cadmium	< 0.005	0.005	mg/L	09/23/06		EK	E1311/SW6010
TCLP Chromium	0.029	0.01	mg/L	09/23/06		EK	E1311/SW6010
TCLP Lead	0.03	0.015	mg/L	09/23/06		EK	SW1311/6010
TCLP Selenium	< 0.05	0.05	mg/L	09/23/06		EK	E1311/SW6010
TCLP Mercury	< 0.001	0.001	mg/L	09/26/06		RS	E1311/E245.1
Thallium	< 2	2	mg/Kg	09/23/06		EK	SW6010
Vanadium	4.31	0.5	mg/Kg	09/23/06		EK	6010
Zinc	12.1	0.5	mg/Kg	09/23/06		EK	SW6010
Percent Solid	96		%	09/22/06		C/D	E160.3

Client ID: WYANDANCH NW-13 Phoenix I.D.: AH53199

Parameter	Result	RL	Units	Date	Time	By	Reference
Chromium, Hexavalent	1.13	0.46	mg/Kg	12/04/06		CL	SW3060/7196
Tot.Org.Carbon	1320	100	mg/kg	09/29/06		OL	EPA Kahn 6/99
Field Extraction	Completed			09/21/06		SCOTT	SW5035
Mercury Digestion	Completed			09/22/06		D	SW7471
Sieve Test	Completed			10/09/06		OL	ASTM
Soil Extraction for PCB	Completed			09/21/06		E	SW3545
Soil Ext. for Pesticide	Completed			09/21/06		E	3545
Soil Ext. for Semi- Vol	Completed			09/21/06		S/E	SW3545
TCLP Digestion Mercury	Completed			09/26/06		D	E1311/7470
TCLP Herbicides Extraction	Completed			09/22/06		O/E	SW8150 Mod
TCLP Extraction for Metals	Completed			09/21/06		D	EPA 1311
TCLP Extraction for Organics	Completed			09/21/06		D	1311
TCLP Pesticides Extraction	Completed			09/22/06		O	SW3510/3520
TCLP Semi-Volatile Extraction	Completed			09/22/06		O/K	SW3510/3520
TCLP Extraction Volatiles.	Completed			09/25/06		D	EPA 1311
Total Metals Digest	Completed			09/21/06		AG	SW846 - 3050
TCLP Metals Digestion	Completed			09/22/06		D	SW846 - 3005
Polychlorinated Biphenyls							
PCB-1016	ND	400	ug/Kg	09/22/06		MH	SW 8082
PCB-1221	ND	400	ug/Kg	09/22/06		MH	SW 8082
PCB-1232	ND	400	ug/Kg	09/22/06		MH	SW 8082
PCB-1242	ND	400	ug/Kg	09/22/06		MH	SW 8082
PCB-1248	ND	400	ug/Kg	09/22/06		MH	SW 8082
PCB-1254	ND	400	ug/Kg	09/22/06		MH	SW 8082
PCB-1260	ND	400	ug/Kg	09/22/06		MH	SW 8082
PCB-1262	ND	400	ug/Kg	09/22/06		MH	SW 8082
PCB-1268	ND	400	ug/Kg	09/22/06		MH	SW 8082
QA/QC Surrogates							
% DCBP (Surrogate Rec)	130		%	09/22/06		MH	SW 8082
% TCMX (Surrogate Rec)	129		%	09/22/06		MH	SW 8082
Pesticides - Soil							
4,4' -DDD	ND	32	ug/Kg	09/22/06		MH	SW8081
4,4' -DDE	ND	32	ug/Kg	09/22/06		MH	SW8081
4,4' -DDT	ND	32	ug/Kg	09/22/06		MH	SW8081
a-BHC	ND	16	ug/Kg	09/22/06		MH	SW8081
Aldrin	ND	7	ug/Kg	09/22/06		MH	SW8081
b-BHC	ND	16	ug/Kg	09/22/06		MH	SW8081
Chlordane	ND	66	ug/Kg	09/22/06		MH	SW8081
d-BHC	ND	16	ug/Kg	09/22/06		MH	SW8081
Dieldrin	ND	7.0	ug/Kg	09/22/06		MH	SW8081
Endosulfan I	ND	16	ug/Kg	09/22/06		MH	SW8081
Endosulfan II	ND	32	ug/Kg	09/22/06		MH	SW8081
Endosulfan sulfate	ND	32	ug/Kg	09/22/06		MH	SW8081

Client ID: WYANDANCH NW-13 Phoenix I.D.: AH53199

Parameter	Result	RL	Units	Date	Time	By	Reference
Endrin	ND	32	ug/Kg	09/22/06		MH	SW8081
Endrin aldehyde	ND	32	ug/Kg	09/22/06		MH	SW8081
Endrin ketone	ND	32	ug/Kg	09/22/06		MH	SW8081
g-BHC	ND	16	ug/Kg	09/22/06		MH	SW8081
Heptachlor	ND	13	ug/Kg	09/22/06		MH	SW8081
Heptachlor epoxide	ND	16	ug/Kg	09/22/06		MH	SW8081
Methoxychlor	ND	160	ug/Kg	09/22/06		MH	SW8081
Toxaphene	ND	160	ug/Kg	09/22/06		MH	SW8081
QA/QC Surrogates							
% DCBP (Surrogate Rec)	94		%	09/22/06		MH	SW8081
% TCMX (Surrogate Rec)	99		%	09/22/06		MH	SW8081
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	1.0	ug/L	09/27/06		KCA	SW8151
2,4-D	ND	5.0	ug/L	09/27/06		KCA	SW8151
QA/QC Surrogates							
% DCAA (Surrogate Rec)	95		%	09/27/06		KCA	SW8151
TCLP Pesticides							
4,4' -DDD	ND	0.1	ug/L	09/25/06		MH	SW 8081
4,4' -DDE	ND	0.1	ug/L	09/25/06		MH	SW 8081
4,4' -DDT	ND	0.1	ug/L	09/25/06		MH	SW 8081
a-BHC	ND	0.05	ug/L	09/25/06		MH	SW 8081
Aldrin	ND	0.05	ug/L	09/25/06		MH	SW 8081
b-BHC	ND	0.05	ug/L	09/25/06		MH	SW 8081
Chlordane	ND	0.3	ug/L	09/25/06		MH	SW 8081
d-BHC	ND	0.05	ug/L	09/25/06		MH	SW 8081
Dieldrin	ND	0.1	ug/L	09/25/06		MH	SW 8081
Endosulfan I	ND	0.05	ug/L	09/25/06		MH	SW 8081
Endosulfan II	ND	0.1	ug/L	09/25/06		MH	SW 8081
Endosulfan Sulfate	ND	0.1	ug/L	09/25/06		MH	SW 8081
Endrin	ND	0.1	ug/L	09/25/06		MH	SW 8081
Endrin Aldehyde	ND	0.1	ug/L	09/25/06		MH	SW 8081
g-BHC (Lindane)	ND	0.05	ug/L	09/25/06		MH	SW 8081
Heptachlor	ND	0.05	ug/L	09/25/06		MH	SW 8081
Heptachlor epoxide	ND	0.05	ug/L	09/25/06		MH	SW 8081
Methoxychlor	ND	0.2	ug/L	09/25/06		MH	SW 8081
Toxaphene	ND	1.0	ug/L	09/25/06		MH	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	111		%	09/25/06		MH	SW 8081
%TCMX (Surrogate Rec)	112		%	09/25/06		MH	SW 8081
TCLP Volatiles							
1,1-Dichloroethylene	ND	50	ug/L	09/27/06		R/J	SW 8260

Client ID: WYANDANCH NW-13 Phoenix I.D.: AH53199

Parameter	Result	RL	Units	Date	Time	By	Reference
1,2-Dichloroethane	ND	50	ug/L	09/27/06		R/J	SW 8260
Benzene	ND	50	ug/L	09/27/06		R/J	SW 8260
Carbon tetrachloride	ND	50	ug/L	09/27/06		R/J	SW 8260
Chlorobenzene	ND	50	ug/L	09/27/06		R/J	SW 8260
Chloroform	ND	50	ug/L	09/27/06		R/J	SW 8260
Methyl ethyl ketone	ND	50	ug/L	09/27/06		R/J	SW 8260
Tetrachloroethene	ND	50	ug/L	09/27/06		R/J	SW 8260
Trichloroethene	ND	50	ug/L	09/27/06		R/J	SW 8260
Vinyl chloride	ND	50	ug/L	09/27/06		R/J	SW 8260
QA/QC Surrogates							
%4-Bromofluorobenzene (Surrogate)	89		%	09/27/06		R/J	SW 8260
Volatiles							
1,1,1,2-Tetrachloroethane	ND	1.9	ug/Kg	09/26/06		R/J	SW8260
1,1,1-Trichloroethane	ND	1.9	ug/Kg	09/26/06		R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	1.9	ug/Kg	09/26/06		R/J	SW8260
1,1,2-Trichloroethane	ND	1.9	ug/Kg	09/26/06		R/J	SW8260
1,1-Dichloroethane	ND	1.9	ug/Kg	09/26/06		R/J	SW8260
1,1-Dichloroethene	ND	1.9	ug/Kg	09/26/06		R/J	SW8260
1,1-Dichloropropene	ND	1.9	ug/Kg	09/26/06		R/J	SW8260
1,2,3-Trichlorobenzene	ND	1.9	ug/Kg	09/26/06		R/J	SW8260
1,2,3-Trichloropropane	ND	1.9	ug/Kg	09/26/06		R/J	SW8260
1,2,4-Trichlorobenzene	ND	1.9	ug/Kg	09/26/06		R/J	SW8260
1,2,4-Trimethylbenzene	ND	1.9	ug/Kg	09/26/06		R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	1.9	ug/Kg	09/26/06		R/J	SW8260
1,2-Dichlorobenzene	ND	1.9	ug/Kg	09/26/06		R/J	SW8260
1,2-Dichloroethane	ND	1.9	ug/Kg	09/26/06		R/J	SW8260
1,2-Dichloropropane	ND	1.9	ug/Kg	09/26/06		R/J	SW8260
1,3,5-Trimethylbenzene	ND	1.9	ug/Kg	09/26/06		R/J	SW8260
1,3-Dichlorobenzene	ND	1.9	ug/Kg	09/26/06		R/J	SW8260
1,3-Dichloropropane	ND	1.9	ug/Kg	09/26/06		R/J	SW8260
1,4-Dichlorobenzene	ND	1.9	ug/Kg	09/26/06		R/J	SW8260
2,2-Dichloropropane	ND	1.9	ug/Kg	09/26/06		R/J	SW8260
2-Chlorotoluene	ND	1.9	ug/Kg	09/26/06		R/J	SW8260
2-Hexanone	ND	9.3	ug/Kg	09/26/06		R/J	SW8260
2-Isopropyltoluene	ND	1.9	ug/Kg	09/26/06		R/J	SW8260
4-Chlorotoluene	ND	1.9	ug/Kg	09/26/06		R/J	SW8260
4-Methyl-2-pentanone	ND	9.3	ug/Kg	09/26/06		R/J	SW8260
Acetone	21	9.3	ug/Kg	09/26/06		R/J	SW8260
Acrylonitrile	ND	3.7	ug/Kg	09/26/06		R/J	SW8260
Benzene	ND	1.9	ug/Kg	09/26/06		R/J	SW8260
Bromobenzene	ND	1.9	ug/Kg	09/26/06		R/J	SW8260
Bromochloromethane	ND	1.9	ug/Kg	09/26/06		R/J	SW8260
Bromodichloromethane	ND	1.9	ug/Kg	09/26/06		R/J	SW8260

Client ID: WYANDANCH NW-13 Phoenix I.D.: AH53199

Parameter	Result	RL	Units	Date	Time	By	Reference
Bromoform	ND	1.9	ug/Kg	09/26/06		R/J	SW8260
Bromomethane	ND	1.9	ug/Kg	09/26/06		R/J	SW8260
Carbon Disulfide	ND	1.9	ug/Kg	09/26/06		R/J	SW8260
Carbon tetrachloride	ND	1.9	ug/Kg	09/26/06		R/J	SW8260
Chlorobenzene	ND	1.9	ug/Kg	09/26/06		R/J	SW8260
Chloroethane	ND	1.9	ug/Kg	09/26/06		R/J	SW8260
Chloroform	ND	1.9	ug/Kg	09/26/06		R/J	SW8260
Chloromethane	ND	1.9	ug/Kg	09/26/06		R/J	SW8260
cis-1,2-Dichloroethene	ND	1.9	ug/Kg	09/26/06		R/J	SW8260
cis-1,3-Dichloropropene	ND	1.9	ug/Kg	09/26/06		R/J	SW8260
Dibromochloromethane	ND	1.9	ug/Kg	09/26/06		R/J	SW8260
Dibromoethane	ND	1.9	ug/Kg	09/26/06		R/J	SW8260
Dibromomethane	ND	1.9	ug/Kg	09/26/06		R/J	SW8260
Dichlorodifluoromethane	ND	1.9	ug/Kg	09/26/06		R/J	SW8260
Ethylbenzene	ND	1.9	ug/Kg	09/26/06		R/J	SW8260
Hexachlorobutadiene	ND	1.9	ug/Kg	09/26/06		R/J	SW8260
Isopropylbenzene	ND	1.9	ug/Kg	09/26/06		R/J	SW8260
m&p-Xylene	ND	1.9	ug/Kg	09/26/06		R/J	SW8260
Methyl Ethyl Ketone	ND	11	ug/Kg	09/26/06		R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	3.7	ug/Kg	09/26/06		R/J	SW8260
Methylene chloride	ND	1.9	ug/Kg	09/26/06		R/J	SW8260
n-Butylbenzene	ND	1.9	ug/Kg	09/26/06		R/J	SW8260
n-Propylbenzene	ND	1.9	ug/Kg	09/26/06		R/J	SW8260
Naphthalene	ND	1.9	ug/Kg	09/26/06		R/J	SW8260
o-Xylene	ND	1.9	ug/Kg	09/26/06		R/J	SW8260
p-Isopropyltoluene	ND	1.9	ug/Kg	09/26/06		R/J	SW8260
sec-Butylbenzene	ND	1.9	ug/Kg	09/26/06		R/J	SW8260
Styrene	ND	1.9	ug/Kg	09/26/06		R/J	SW8260
tert-Butylbenzene	ND	1.9	ug/Kg	09/26/06		R/J	SW8260
Tetrachloroethene	ND	1.9	ug/Kg	09/26/06		R/J	SW8260
Tetrahydrofuran (THF)	ND	3.7	ug/Kg	09/26/06		R/J	SW8260
Toluene	ND	1.9	ug/Kg	09/26/06		R/J	SW8260
Total Xylenes	ND	1.9	ug/Kg	09/26/06		R/J	SW8260
trans-1,2-Dichloroethene	ND	1.9	ug/Kg	09/26/06		R/J	SW8260
trans-1,3-Dichloropropene	ND	1.9	ug/Kg	09/26/06		R/J	SW8260
trans-1,4-dichloro-2-butene	ND	3.7	ug/Kg	09/26/06		R/J	SW8260
Trichloroethene	ND	1.9	ug/Kg	09/26/06		R/J	SW8260
Trichlorofluoromethane	ND	1.9	ug/Kg	09/26/06		R/J	SW8260
Trichlorotrifluoroethane	ND	1.9	ug/Kg	09/26/06		R/J	SW8260
Vinyl chloride	ND	1.9	ug/Kg	09/26/06		R/J	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	107		%	09/26/06		R/J	SW8260
% Bromofluorobenzene	101		%	09/26/06		R/J	SW8260
% Dibromofluoromethane	112		%	09/26/06		R/J	SW8260

Client ID: WYANDANCH NW-13 Phoenix I.D.: AH53199

Parameter	Result	RL	Units	Date	Time	By	Reference
% Toluene-d8	100		%	09/26/06		R/J	SW8260
TCLP Acid/Base-Neutral							
1,4-Dichlorobenzene	ND	100	ug/L	09/25/06		KCA	SW 8270
2,4,5-Trichlorophenol	ND	100	ug/L	09/25/06		KCA	SW 8270
2,4,6-Trichlorophenol	ND	100	ug/L	09/25/06		KCA	SW 8270
2,4-Dinitrotoluene	ND	100	ug/L	09/25/06		KCA	SW 8270
2-Methylphenol (o-cresol)	ND	100	ug/L	09/25/06		KCA	SW 8270
3&4-Methylphenol (m&p-Cresol)	ND	100	ug/L	09/25/06		KCA	SW 8270
Hexachlorobenzene	ND	100	ug/L	09/25/06		KCA	SW 8270
Hexachlorobutadiene	ND	100	ug/L	09/25/06		KCA	SW 8270
Hexachloroethane	ND	100	ug/L	09/25/06		KCA	SW 8270
Nitrobenzene	ND	100	ug/L	09/25/06		KCA	SW 8270
Pentachlorophenol	ND	500	ug/L	09/25/06		KCA	SW 8270
Pyridine	ND	100	ug/L	09/25/06		KCA	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	84		%	09/25/06		KCA	SW 8270
% 2-Fluorobiphenyl	89		%	09/25/06		KCA	SW 8270
% 2-Fluorophenol	82		%	09/25/06		KCA	SW 8270
% Nitrobenzene-d5	100		%	09/25/06		KCA	SW 8270
% Phenol-d5	89		%	09/25/06		KCA	SW 8270
% Terphenyl-d14	97		%	09/25/06		KCA	SW 8270
Semivolatiles							
1,2,4-Trichlorobenzene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
1,2-Dichlorobenzene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
1,2-Diphenylhydrazine	ND	340	ug/Kg	09/22/06		KCA	SW 8270
1,3-Dichlorobenzene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
1,4-Dichlorobenzene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
2,4,5-Trichlorophenol	ND	340	ug/Kg	09/22/06		KCA	SW 8270
2,4,6-Trichlorophenol	ND	340	ug/Kg	09/22/06		KCA	SW 8270
2,4-Dichlorophenol	ND	340	ug/Kg	09/22/06		KCA	SW 8270
2,4-Dimethylphenol	ND	340	ug/Kg	09/22/06		KCA	SW 8270
2,4-Dinitrophenol	ND	980	ug/Kg	09/22/06		KCA	SW 8270
2,4-Dinitrotoluene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
2,6-Dichlorophenol	ND	340	ug/Kg	09/22/06		KCA	SW 8270
2,6-Dinitrotoluene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
2-Chloronaphthalene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
2-Chlorophenol	ND	340	ug/Kg	09/22/06		KCA	SW 8270
2-Methylnaphthalene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
2-Methylphenol (o-cresol)	ND	340	ug/Kg	09/22/06		KCA	SW 8270
2-Nitroaniline	ND	980	ug/Kg	09/22/06		KCA	SW 8270
2-Nitrophenol	ND	340	ug/Kg	09/22/06		KCA	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	340	ug/Kg	09/22/06		KCA	SW 8270

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Parameter	Result	RL	Units	Date	Time	By	Reference
3,3'-Dichlorobenzidine	ND	410	ug/Kg	09/22/06		KCA	SW 8270
3-Nitroaniline	ND	980	ug/Kg	09/22/06		KCA	SW 8270
4,6-Dinitro-2-methylphenol	ND	980	ug/Kg	09/22/06		KCA	SW 8270
4-Bromophenyl phenyl ether	ND	340	ug/Kg	09/22/06		KCA	SW 8270
4-Chloro-3-methylphenol	ND	410	ug/Kg	09/22/06		KCA	SW 8270
4-Chloroaniline	ND	410	ug/Kg	09/22/06		KCA	SW 8270
4-Chlorophenyl phenyl ether	ND	340	ug/Kg	09/22/06		KCA	SW 8270
4-Nitroaniline	ND	980	ug/Kg	09/22/06		KCA	SW 8270
4-Nitrophenol	ND	980	ug/Kg	09/22/06		KCA	SW 8270
Acenaphthene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Acenaphthylene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Anthracene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Benz(a)anthracene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Benzidine	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Benzo(a)pyrene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Benzo(b)fluoranthene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Benzo(ghi)perylene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Benzo(k)fluoranthene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Benzoic acid	ND	980	ug/Kg	09/22/06		KCA	SW 8270
Benzyl alcohol	ND	410	ug/Kg	09/22/06		KCA	SW 8270
Benzyl butyl phthalate	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Bis(2-chloroethoxy)methane	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Bis(2-chloroethyl)ether	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Bis(2-chloroisopropyl)ether	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Bis(2-ethylhexyl)phthalate	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Chrysene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Di-n-butylphthalate	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Di-n-octylphthalate	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Dibenz(a,h)anthracene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Dibenzofuran	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Diethyl phthalate	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Dimethylphthalate	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Fluoranthene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Fluorene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Hexachlorobenzene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Hexachlorobutadiene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Hexachlorocyclopentadiene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Hexachloroethane	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Indeno(1,2,3-cd)pyrene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Isophorone	ND	340	ug/Kg	09/22/06		KCA	SW 8270
N-Nitrosodi-n-propylamine	ND	340	ug/Kg	09/22/06		KCA	SW 8270
N-Nitrosodimethylamine	ND	340	ug/Kg	09/22/06		KCA	SW 8270
N-Nitrosodiphenylamine	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Naphthalene	ND	340	ug/Kg	09/22/06		KCA	SW 8270

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Parameter	Result	RL	Units	Date	Time	By	Reference
Nitrobenzene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Pentachlorophenol	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Phenanthrene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Phenol	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Pyrene	ND	340	ug/Kg	09/22/06		KCA	SW 8270
Pyridine	ND	340	ug/Kg	09/22/06		KCA	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	88		%	09/22/06		KCA	SW 8270
% 2-Fluorobiphenyl	85		%	09/22/06		KCA	SW 8270
% 2-Fluorophenol	70		%	09/22/06		KCA	SW 8270
% Nitrobenzene-d5	78		%	09/22/06		KCA	SW 8270
% Phenol-d5	71		%	09/22/06		KCA	SW 8270
% Terphenyl-d14	120		%	09/22/06		KCA	SW 8270

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Limit RL=Reporting Limit

Phyllis Shiller, Laboratory Director
December 06, 2006