Middletown Brownfields Program
Remedial Action Report

Former Portland Chemical Facility
680 (Rear) Newfield Street
Middletown, Connecticut

Prepared for City of Middletown
245 deKoven Drive
Middletown, CT 06457

and

US EPA Region I
One Congress Street
Boston, MA 02114

Prepared by VHB/Vanasse Hangen Brustlin, Inc.
54 Tuttle Place
Middletown, Connecticut 06457

August 2010

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Introduction

At the request of the City of Middletown (herein referred to as the "Client"), Vanasse Hangen Brustlin, Inc., (VHB) completed monitoring of excavation activities conducted at the former Portland Chemical Facility located at 680 (Rear) Newfield Street in Middletown, Connecticut (referred to herein as the "Site"). Figure 1 depicts the Site location. This Remedial Action Report (RAR) was prepared for the Client and is subject to the terms and conditions of the Agreement between the Client and VHB, as well as the Limitations provided in Appendix A. Through a competitive bid process, CISCO, LLC (CISCO) of 525 Ella T. Grasso Boulevard, New Haven, Connecticut was the remedial contractor selected by the City to complete excavation activities at the Site.

This remedial action was conducted as part of the City of Middletown Brownfields Program utilizing US Environmental Protection Agency (EPA) Brownfields Clean Up funds (BF #97135101 - Amendment #3). The remedial activities summarized in this report included the excavation of ~2,400 tons of impacted material from the western portion of the Site, off-Site disposal of the material, and post-excavation confirmatory sampling. The excavation activities were completed in accordance with our original proposal dated January 14, 2010 (revision #1 dated March 2, 2010). The scope of work for this project was based on the Remedial Action Plan for the Site dated July 23, 2007 prepared by HRP Associates, Inc. and the following documents that were provided to VHB:

- Technical Specification for Contaminated Soil Remediation, Former Portland Chemical Facility, 680 Newfield Street (Rear), Middletown, CT, October 30, 2009, HRP Associates, Inc.

- Instructions to Bidders / Construction Contract for Contaminated Soil Remediation, Former Portland Chemical Facility, 680 Newfield Street (Rear), Middletown, CT

- Cost Estimate for Remediation Supervision of PMC Soil Removal for Former Portland Chemical Site, 680 Newfield Street (Rear), Middletown, Connecticut, HRP Associates, Inc., December 3, 2009.

Additional documents provided by the Client for VHB's review include:

- Phase I Environmental Site Assessment, Former Portland Chemical Facility, 680 Newfield Street (Rear), Middletown, Connecticut, October 10, 2001, HRP Associates, Inc.

- Phase III Environmental Site Assessment, Former Portland Chemical Facility, 680 Newfield Street (Rear), Middletown, Connecticut, June 2, 2006, HRP Associates, Inc.

- Wetland Delineation and Evaluation Report – Portion of the Former Portland Chemical Facility, July 20, 2007 Jackson Engineering, LLC.

It is our understanding, based on August 18, 2010 correspondence with David Ringquist of the CTDEP, the Site was entered into CTDEP's Voluntary Remediation Program pursuant to CGS Section 22a-133x in 1999 and the Site was delegated to an Licensed Environmental Professional at that time. The HRP Phase III and RAP for the Site are on-file at CTDEP.

Site Location and Description

The Site consists of approximately 3.21 acres of land located in a rear lot along the east side of Newfield Street (Route 3), in Middletown, Connecticut. The Site is identified by the City of Middletown Tax Assessor's Department on Map 18 as Block 17-5A, Lot 36.

The Site is currently owned by the City of Middletown and formerly existed as the Portland Chemical facility (manufacturers of various industrial chemicals). According to information presented in a Phase I Environmental Site Assessment report by HRP Associates, Inc., dated October 10, 2001, the Site was originally developed as the Portland Chemical facility in 1962. The facility reportedly operated until 1992. The City of Middletown acquired the Site parcel on March 25, 1998. All on-Site structures were reportedly demolished prior to 1998. The Site has been vacant, unutilized land since that time.

At the time of the remediation activities the Site was vacant and all buildings, storage tanks, and loading racks from the former Portland Chemical facility had previously been removed or demolished. A railroad spur and concrete loading ramp were located along the southern boundary of the property. The remaining portions of the Site consist primarily of low-lying marsh and wetlands. Figure 2 depicts the Site configuration and location of former structures associated with the Portland Chemical facility.

The Site is a rear lot with access to the Site from Newfield Street through the front lot owned by Jukonski Truck Sales (Jukonski), a commercial truck sales and service dealer. The Site is located in a commercial/industrial area and bordered to the north by Primary

Steel, to the east by a railroad line, to the south by Middletown Toyota and a storage yard for roll-off containers and dumpsters, and to the west by Jukonski.

It is our understanding that the City intends to enter into a purchase and sale agreement or lease with Richard Jukonski following completion of excavation and backfilling activities. Furthermore it is our understanding that the City intends to maintain responsibility for documented residual contamination existing at the Site.

Environmental Setting

Topography

VHB reviewed United States Geological Survey (USGS) 7.5-Minute Middletown Quadrangle topographic map dated 1965 – photo revised 1992. The Site is located approximately 30 feet above sea level. The topography of the Site is generally level with the exception of soil piles and fill material piles that have been generated at the Site from previous investigation, demolition of former structures, and previous excavation activities conducted by EPA in 2002.

Soils/Geology

According to the 1979 Soil survey of Middlesex County, Site soils are mapped as Berlin silt loam 0 to 5 percent slopes (BcA). This soil type is described as nearly level to gently sloping, moderately well drained soil and is indicated to form in silt and clay deposits. According to the Surficial Materials Map of Connecticut, the surficial material at the Site is mapped as fines (f). This deposit is described as well sorted thin layers of alternating silt and clay or thicker layers of very fine sand and silt. Subsurface conditions observed during previous investigations and excavation activities documented in this report were consistent with the published mapping.

In addition, the USGS Bedrock Geological Map of Connecticut, dated 1985, bedrock geology at and in the vicinity of the Site is identified as Portland Arkose which is a reddish-brown brownstone. No bedrock was encountered during previous investigations conducted at the Site. Depth to bedrock beneath the Site is unknown at this time.

Hydrology

According to the Connecticut Department of Environmental Protection's (CTDEP's) Groundwater Quality Classification Digital Map information published in August 2004, groundwater in the vicinity of the Site is classified as GB. The GB classification indicates degraded groundwater conditions within the area. CTDEP presumes that groundwater in such an area is not suitable for drinking or other domestic uses without prior

treatment. Previous investigations have documented volatile organic compounds and petroleum impacts to groundwater beneath the Site.

Groundwater flow direction may be impacted locally by surface topography, hydrology, hydrogeology and soil characteristics. Groundwater data collected by HRP indicates an east/northeast trend in the groundwater flow direction which is generally toward the Mattabassett River. Depth to groundwater has been reported to be 3 to 5 feet below grade (bg).

Wetlands

The majority of the Site consists of wetland areas. A wetland's delineation was previously- completed by HRP and presented on a map dated March 19, 2007. Figure 3 depicts the location of wetlands delineated on the Site. The wetlands delineation was completed in support of remedial activities (excavation of impacted soils) proposed for the Site. A local wetland's permit was issued for the project on October 7, 2009 for the excavation of impacted soils adjacent to the wetland and filling of up to 4,999 square feet of wetland area to facilitate capping of impacted soils/sediment in the wetland area. Matthew Davison, a Registered Soil Scientist from VHB, visited the Site prior to commencing remedial activities. Mr. Davison confirmed the previous delineation with some upland exclusions areas and re-flagged the wetland boundaries adjacent to the proposed remediation areas and the limits of wetland area to be filled. The excavation completed as part of this remediation did not encroach on the delineated wetlands.

Surface Water Bodies

The Mattabesset River is located approximately 1,500 feet northeast of the Site. This water body is classified as C, D, to B and C/B surface waters. Class B and Class C classifications indicate degraded water quality with a goal of attaining a Class B or Class A classification. Designated uses include recreational: fish and wildlife habitat; agricultural and industrial supply and other legitimate uses including navigation. Discharges are restricted to public or private drinking water treatment systems, dredging and dewatering, emergency and clean water discharges, cooling waters, discharges from industrial and municipal wastewater treatment facilities.

Class D classifications are assigned to surface water bodies that that may be suitable for recreational purposes, some fish and wildlife habitat, industrial and navigation use and possibly bathing. Water quality of this type is associated with pollution sources that may not be remediated. In this case, the objective is to restore water quality to a Class B or Class A standard.

Flood Plains

According to the Federal Emergency Management Agency (FEMA) National Flood Insurance Program (NFIP) Flood Zone Mapping Community Panel (FZMCP) No. 09007C0108G dated August 28, 2008, the Site is located within "Zone AE". This zone classification is designated as a Special Flood Hazard Area inundated by the 100-year flood.

Previous Environmental Investigations

In conjunction with this project, VHB reviewed four (4) reports for the Site provided by the Client. A summary of these reports is presented below.

➢ **Phase I Environmental Site Assessment (ESA) – Former Portland Chemical Facility, October 10, 2001, HRP Associates, Inc.**

This report summarizes a combined Phase I ESA that was completed on the Site parcel (680 Newfield Street (Rear)) and the current Jukonski property (680 Newfield Street). This report identifies these two parcels collectively as the former Portland Chemical facility. The report summarizes previous investigations and actions completed for the facility.

Letter report prepared by Rizzo Associates, Inc., dated January 14, 1992.
This letter describes an investigation in which several half-buried drums were identified toward the rear of the property. The drums were reported to contain a white powdery substance that was later identified as disodium phosphate. The letter indicates that the drums were placed in polyethylene overpacks and transported off-Site to an out of state disposal facility on July, 30, 1992.

Phase I ESA by Woodard & Curran, Inc, dated June 1998.
The report identified nine (9) Areas of Concern (AOCs).

- AOC-1 – Aboveground Tank Farm
- AOC-2 – Loading Rack
- AOC-3 – Heating Oil UST
- AOC-4 – Gasoline and Diesel USTs
- AOC-5 – Chemical Manhole
- AOC-6 – Three (3) Fuel Oil ASTs
- AOC-7 – Debris Area North Side of Stream
- AOC-8 – Area East of Building 1.
- AOC-9 – Area South of Building 2.

The report recommended a Phase II ESA to include soil and sediment sampling and/or collecting groundwater samples from the existing Site wells in order to evaluate the identified AOCs.

Phase II and III ESA Report by Woodard & Curran, Inc, dated August 1998.
The report documents eighteen (18) soil samples and twelve (12) groundwater samples were collected to evaluate the identified AOCs as part of the Phase II ESA. Woodard & Curran concluded that Site groundwater did not require remediation and of the nine (9) AOCs investigated, three (3) warranted further investigation through a Phase III. The AOCs that required additional investigation through a Phase III were:

- AOC-2 – Loading Rack
- AOC-5 – Chemical Manhole
- AOC-6 – Three (3) Fuel Oil ASTs

The subsequent Phase III investigation included the installation of fourteen (14) direct-push soil borings to a maximum depth of eight (8) feet below grade. A total of twenty-nine (29) soil samples were analyzed in the course of the Phase III investigation. The Phase III report concluded that the soil contamination in the three (3) AOCs was delineated and remedial estimates for soil removal were given as follows:

- AOC-2 – Loading Rack – 185 cubic yards.
- AOC-5 – Chemical Manhole – 120 cubic yards.
- AOC-6 – Three (3) Fuel Oil ASTs – 45 cubic yards.

Draft Remedial Action Plan (RAP) by Woodard & Curran, Inc, dated August 1998.
This draft RAP was developed to outline the remedial efforts associated with the following AOCs:

- AOC-1 – Aboveground Tank Farm
- AOC-2 – Loading Rack
- AOC-3 – Heating Oil UST
- AOC-4 – Gasoline and Diesel USTs
- AOC-5 – Chemical Manhole
- AOC-6 – Three (3) Fuel Oil ASTs

Environmental Condition Assessment Form (ECAF) by Woodard & Curran, Inc, dated September 1999.
The ECAF documents that Site activities included the distribution, packaging, and warehousing of chemicals utilized by the metal plating industries. Bulk chemicals were delivered to the Site via railcar, stored in aboveground storage tanks (ASTs), and transferred to smaller containers (typically 55-gallon drums).

CTDEP Emergency Response, January 2001.
Information in the Phase I report documents that CTDEP was notified on January 12, 2001 when buried drums were encountered while HRP was coordinating soil remediation activities in the vicinity of AOC-5 – Chemical

Manhole. The documented emergency response included the excavation of several test pits, the recovery of drums, the removal of soil, and pumping apparent groundwater into frac tanks. The recovered drums, soil, and groundwater were transported off-Site for proper disposal and the test pits were backfilled.

➢ **Phase III Subsurface Investigation– Former Portland Chemical Facility, June 2, 2006, HRP Associates, Inc.**

The report documents the investigation on both the front (Jukonski) and rear (Portland Chemical) parcels of 680 Newfield Street. The report documents that HRP collected approximately 116 soil samples from the investigation of Release Areas of Concern (RACs) at the parcels. Several groundwater, surface water, and sediment samples were also collected for analysis.

The conclusion of the report gives a remedial estimate that 1,990 cubic yards of material impacted with hexavalent chromium, total chromium, copper, lead, extractable total petroleum (ETPH), volatile organic compounds (VOCs), and/or polynuclear aromatic hydrocarbons (PAHs) should be removed from the eastern portion of the Site. These impacts comprise the following RACs:

- RAC -1 – Drum and Debris Burial
- RAC -2 – Former Drum Filling Building
- RAC -3 – Former Chemical Manhole
- RAC -4 – Leaching Field
- RAC -6 – Drum Storage Area
- RAC -13 – 2001 Emergency Response

The report also recommended removal of 35 cubic yards of soil and 16 cubic yards of concrete from the former drum storage sheds identified as RAC-7.

HRP concluded that no releases requiring additional investigation or remediation were identified for the following RACs:

- RAC -5 – Former Loading Rack
- RAC -8 – Former Tank Farm
- RAC -9 – Loading Ramp
- RAC -10 – Railroad Spur

HRP reported that contamination was identified in association with sediment and surface water of the unnamed stream that flows eastward on the eastern portion of the Site (referred to as RAC -11 by HRP). The stream reportedly includes storm water discharge from Newfield Street and the adjacent property to the west. HRP stated that a portion of the contamination is most likely associated with storm water discharge however, pesticide, lead, and copper contamination were detected in surface water from on-site

tributaries indicating contamination may also be associated with on-site run-off over contaminated surfaces, especially with respect to pesticides.

HRP also reported PAH concentrations exceeding RSR criteria in one of the two soil samples collected from RAC-12 (artificial fill area along the Sites northern boundary). HRP indicated the fill material constituted an area created and currently utilized by the adjacent, off-site Primary Steel facility. HRP concluded the on-site PAH contamination in this area is a result of an off-site source. However, they stated additional sampling would be required to determine the lateral extent of the affected soil.

➢ **Remedial Action Plan – Former Portland Chemical Facility, July 23, 2007, HRP Associates, Inc.**

A Remedial Action Plan (RAP) was developed by HRP to address exceedances of CTDEP RSRs in six Release Areas via soil excavation and implementation of engineering controls. The primary constituents of concern included hexavalent chromium, total chromium, copper, lead, extractable petroleum hydrocarbons (ETPH), volatile organic compounds (VOCs), poly aromatic hydrocarbons (PAHs), and pesticides. HRP recommended excavation and off-site disposal of soils ranging to depths of 3 to 5 feet below grade (bg) in four of the Release Areas (RAC-1 to RAC-4) where exceedances of RSR Pollutant Mobility Criteria (PMC) were identified. For the other two Release Areas (RAC-5 and RAC-6) HRP recommended excavation and/or use of engineering controls including capping and implementation of an Environmental Land Use Restriction (ELUR) limiting future use of the Site to commercial or industrial uses. HRP recommended additional sampling to confirm remedial approach for RAC-5 and RAC-6 as well as additional sampling in RAC-13 to determine if additional soil remediation is required in this area subsequent to EPA's 2001 emergency response actions.

➢ **Wetland Delineation and Evaluation Report – Portion of the Former Portland Chemical Facility, July 20, 2007, Jackson Engineering, LLC.**

The report documents the findings of wetland delineations completed at the Site in January and June 2007.

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Remedial Activities

Prior to VHB's involvement in the Site, the City with support from HRP developed bid specifications for the project and solicited bids from remedial contractors to perform soil excavation activities for the project. The scope of work included the excavation and off-site disposal of an estimated 1,970 tons of soils from RAC-1 through RAC-5 (including both RAC-5a and RAC-5b). According to HRP's previous investigations and Remedial Action Plan, Release Areas RAC-13 and RA-6 fall within the areas of excavation slated for RAC-1 thru RAC-5 and therefore soil impacts identified in association with RAC-13 and RA-6 that were within the project area were removed to depths of 3-5 feet bg. See attached Table 1 for a description of each RAC included in the project, constituents of concern and volumes to be excavated as determined by HRP, and regulatory criteria driving remedial activities. Figure 4 depicts locations of RACs.

CISCO, LLC of 525 Ella T. Grasso Boulevard, New Haven, Connecticut was the remedial contractor selected by the City to complete the remedial activities at the Site. CISCO was responsible for the excavation, stockpiling, loading, and transportation and off-site disposal of the excavated soils.

In association with this project, VHB prepared a Quality Assurance Project Plan (QAPP), oversaw and documented the progress of excavation activities completed by CISCO, collected confirmatory soil samples following excavation activities, and collected samples of backfill material prior to backfilling the excavation.

A description of project related activities is provided below.

Quality Assurance Project Plan / Health and Safety Plan

Prior to commencing excavation activities, VHB prepared a Quality Assurance Project Plan that was approved by EPA on April 30, 2010. The QAPP outlines means and methods for collection and analysis of confirmatory soil samples for the project. Deviations from the approved QAPP included the collection of 35 confirmatory samples not 30 as originally stated. The increase in the number of samples was due to the increase in the amount of excavated soils (i.e. 2,400 tons instead of 1,900 tons). Due to

budget constraints the number of confirmatory soil samples analyzed for pesticides, PAHs, and metals were reduced to accommodate the increase in costs associated with the five additional confirmatory samples collected. This reduction in analytical parameters was implemented after review of available Site data and approval by Licensed Environmental Professional (LEP) Robert McCarthy. Samples of backfill material collected during the project were analyzed by Complete Environmental Testing Analytical Laboratories (CET) in Stratford, CT. As documented in the QAPP, the 35 confirmatory soil samples were analyzed by Contest Analytical Laboratories (Contest) of East Longmeadow, MA.

Another deviation from the QAPP occurred with regard to analytical detection limits for select pesticides in sample SW-16. Due to ETPH concentrations in the sample, the laboratory used a five (5) times dilution factor for this sample which resulted in a higher achievable detection limit for four (4) pesticides. This is not believed to be a significant deviation since these four pesticides have not been detected in any of the other samples analyzed for pesticides or during previous investigations conducted at the Site by others. No other deviations of the QAPP occurred during the project.

Prior to commencing remedial activities on-Site, CISCO prepared a Site-specific Health and Safety Plan (HASP). The objective of the HASP was to establish protocols to protect the health and safety of CISCO's employees and their subcontractors. CISCO's Project Manager during the project was Chris Dickman and the backhoe operator was Ronald Mota both individuals are HAZWOPER Certified.

Wetlands Delineation

As previously mentioned a wetland's delineation had been completed for the Site in 2007 by others. A local wetland's permit was issued for the project on October 7, 2009 for the excavation of impacted soils adjacent to the wetland and filling of up to 4,999 square feet of wetland area to facilitate capping of impacted soils/sediment in the wetland area.

Prior to commencing remedial activities, Matthew Davison, a Registered Soil Scientist from VHB, re-flagged the wetland boundaries adjacent to the proposed remediation areas based on the 2007 Wetlands Delineation Report. The excavation completed as part of this remediation did not encroach on the delineated wetlands.

Soil Excavation

Fields activities began at the Site on May 4, 2010. Representatives from VHB oversaw and documented the progress of the excavation activities. VHB acted as a liaison by keeping the City abreast of the activities at the Site. The following is a detailed description of daily field activities that occurred during the project.

The confirmatory samples were analyzed for constituents of concern (COC) for each RAC as identified in the HRP Remedial Action Plan. All of the samples were analyzed for ETPH via the CTDEP approved method and VOCs via EPA Method 8260B. Most samples were analyzed for PAHs via EPA Method 8270C and select samples were analyzed for pesticides via EPA Method 8081A and total Resource Conservation and Recovery Act metals (RCRA 8 metals). Although HRP's December 2009 Cost Estimate for the project did not include a provision for metals analyses, select post excavation samples were analyzed for total metals. A summary of confirmatory samples collected for each RAC and parameters analyzed for each sample are provided in the attached Table 3.

The location of each sidewall and bottom sample was determined using a handheld Trimble Global Positioning System (GPS) GEOXT unit. The GPS locations were then downloaded and overlain on a base map/aerial photograph to document the sample locations. The sample locations are depicted on the attached Figure 5.

A sample was also collected of the black oily layer from along the western wall of the excavation for laboratory analysis of ETPH, VOCs, PAHs, and RCRA 8 metals.

All samples were placed in laboratory-supplied glass wear and delivered under proper chain of custody to Contest Analytical Laboratory in East Longmeadow, MA. Contest is a state-certified, woman-owned laboratory (WBE).

Excavation Water Sample Collection

Due to heavy rains that occurred during the last week of excavation activities, surface water run-off and some groundwater began collecting in the excavation.

On June 7, 2010 a water sample was collected from the standing water in the excavation for characterization purposes in the event that dewatering would be necessary prior to backfilling activities. The water sample was collected using a polyethylene sampling cup and transferred to laboratory-supplied glass wear. No obvious sheens were noted on the water surface at the time of sample collection. The water sample was submitted to Complete Environmental Testing (CET), a state-certified laboratory under proper chain of custody for analysis of ETPH, VOCs, PAHs, and total RCRA 8 metals. Although Contest was the analytical laboratory designated for this project in the EPA QAPP, due to time and budget constraints imposed by the project, select samples collected for the project including the water sample and backfill material samples were sent to CET for analysis.

Backfilling activities were not completed until the first week of July 2010. In the week prior to backfilling activities, the amount of water in the excavation decreased dramatically due to a dry period and heat wave that occurred and therefore dewatering activities were not warranted at the time the excavation was backfilled.

Backfill Material Sample Collection

At the request of the Client, VHB collected samples of various materials (concrete and fill piles) at the Site to determine if these materials were suitable for use as backfill for the remedial excavation. The sampled materials include: concrete from the loading ramp located adjacent to the railroad spur, soil from the interior of this ramp, concrete from a building slab/footing that was in the excavated area, and material from a rubble pile located along the southwest corner of the Site. These samples were submitted to CET for analysis of ETPH, VOCs, PAHs, and total 8 RCRA metals. Figure 6 depicts locations of samples collected from potential backfill material on-Site.

In addition, VHB also collected five (5) soil samples from a soil stockpile located at the City of Middletown Sewer and Water Department (SWD) along Berlin Street in Middletown. This material was reportedly generated as a result of various sewer and water utility projects in the City and was viewed as a potential source of fill material for the remedial excavation. These five (5) samples were submitted to CET for laboratory analysis of ETPH, VOCs, PAHs, pesticides, and total 8 RCRA metals. Figure 7 depicts locations of backfill material sampled from the SWD.

No evidence of visual impacts (i.e. staining or odors) was observed in association with these proposed backfill materials. During sample collection, minor asphalt fragments were observed in the SWD soil stockpile and the on-Site rubble pile.

Remediation Standard Regulations

Soil and water analytical results discussed below have been compared to the CTDEP RSRs, CGS Section 22a-133k. The RSRs define the standard applicable to the Site dependent on the groundwater classification (mapped by CTDEP) and uses of the property.

Based on relevant Site data, the CTDEP Residential Direct Exposure Criteria (RDEC), Industrial/Commercial DEC (I/C DEC), and Pollutant Mobility Criteria for GB areas (GB PMC) apply to the Site's soil. RDEC applies to soil at the Site since the RSRs require, whenever feasible, a reduction in residual soil contaminant concentrations to levels that pose no significant human health risk (residential standards). However, as indicated by HRP's RAP an Environmental Land Use Restriction is going to be implemented for the Site limiting future use solely to industrial/commercial purposes and therefore, the designated remedial goals for the project would include obtaining compliance with I/C DEC and not the more stringent RDEC.

The Surface Water Protection Criteria (SWPC) and the Industrial/Commercial Groundwater Volatilization Criteria (I/C GWVC) have been used as a means of comparison for the water sample collected from the excavation.

The SWPC is applicable to groundwater at the Site. The RES VC and I/C GWVC are applicable to Site groundwater that is located under an occupied building and within fifteen (15) feet of grade.

Analytical Results

Confirmatory soil sample analytical results are summarized in Table 4 and backfill material sample analytical results are summarized in Table 5. Laboratory analytical reports are included in Appendix C.

Post-Excavation Soil Analytical Results

A total of 19 sidewall samples (including 1 duplicate) and 18 bottom samples (including 1 duplicate) were collected as part of confirmatory soil sampling activities. The following is a description of sample results by parameter.

Analytical Results by Parameter

Extractable Total Petroleum Hydrocarbons

ETPH concentrations were detected in 23 of the samples at concentrations ranging from 13ppm to 950ppm including 11 sidewall samples and 12 bottom samples. None of the concentrations reported were above the I/C DEC or GB PMC (2,500ppm).

The sample collected from the black oily layer was reported to contain ETPH at concentration of 11,000ppm.

Resource Conservation and Recovery Act Metals

Arsenic, barium, chromium, and lead were detected in all samples analyzed for these parameters. Eight (8) samples were found to contain detectable concentrations of mercury, one (1) sample was found to contain silver, and sixteen (16) samples were found to contain cadmium. With the exception of arsenic, none of the other metals detected in samples were reported at concentrations exceeding the I/C DEC. Two (2) sidewall samples and one (1) bottom sample were reported to contain concentrations of total arsenic slightly above the I/C DEC (10ppm). These samples include sidewall samples SW-18 (12ppm) and SW-19 (12ppm) from RAC-4 and bottom sample Bottom-29 (11ppm) from RAC-3.

The sample collected from the black oily layer also contained these reported metals at concentrations below the I/C DEC.

Similar to previous investigations conducted by HRP, analytical results for total metals were used for comparison to the GBPMC by applying a twenty (20) times leachability factor. Based on total metals concentrations detected in several of the confirmatory soil

samples, there is potential for leachable metals concentrations in residual soils to exceed the GBPMC for arsenic, chromium, and lead.

Pesticides

The pesticide Dieldrin was detected in two (2) of the samples analyzed for this parameter including; sidewall sample (SW-1) from RAC-1 with a concentration of 0.0072ug/L slightly above the GBPMC (0.007ug/L) and bottom sample (Bottom-23) from RAC-2 with a concentration of .0065ug/L. This bottom sample was also reported to contain 4,4-DDE at a concentration below the I/C DEC. There is no GBPMC criteria established for 4,4-DDE. Endrin Aldehyde was detected in sidewall sample SW-19 (RAC-4) at a concentration below the I/C DEC. There is no GBPMC criteria established for this compound. Pesticides were not detected in any of the other samples analyzed for this parameter.

As previously mentioned, due to ETPH concentrations in the sample, the laboratory used a five (5) times dilution factor for this sample (SW-16) which resulted in a higher detection limit for four (4) pesticides. The lowest detection limits obtained by the laboratory were higher than the GBPMC for these pesticides.

Volatile Organic Compounds

The VOC *cis*-1,2-dichloroetheylene was detected in five (5) of the samples at concentrations below the I/C DEC and GBPMC. These samples were all bottom samples from RAC-1 & 5A and RAC-2. None of the sidewall samples were found to contain this compound above laboratory detection limits.

Toluene was detected in three (3) of the samples including SW-19 from RAC-4 as well as SW-20 and Bottom-23 from RAC-5B. Xylenes were detected in three (3) of the samples including SW-19 from RAC-4 as well as Bottom-26 and Bottom-27 samples from RAC-3. Ethylbenezene was also detected in SW-19. None of these VOCs were detected at concentrations above the I/C DEC and GBPMC.

Tetrachloroethylene (PCE) was detected in four (4) of the samples and trichloroethylene (TCE) was detected in one (1) sample. These samples were all bottom samples from RAC-2, RAC-3, and RAC-5B. The concentrations of PCE and TCE detected in these samples were below the I/C DEC and GBPMC.

No VOCs were detected at concentrations above laboratory detection limits in the sample collected from the black oily layer.

Poly-aromatic Hydrocarbons

Various PAHs were detected in sidewall samples SW-3, SW-4, and SW-5 from RAC 1 & 5A at concentrations below the I/C DEC and GBPMC. No other samples analyzed for this parameter were reported to contain concentrations above laboratory detection limits.

No PAHs were detected at concentrations above laboratory detection limits in the sample collected from the black oily layer.

Analytical Results by Release Area of Concern

The following is a description of sample results by RAC.

RAC-1 Drum & Debris Burial

ETPH was detected in four (4) of the five (5) samples collected from this area at concentrations ranging from 21ppm to 43ppm which are below the I/C DEC and GBPMC of 2,500ppm.

Metals including arsenic, barium, chromium, and lead were detected in both samples (Bottom-8 and Bottom-24) analyzed for metals. Selenium and mercury were detected in one (1) of the samples (Bottom-24). None of the metals were reported at concentrations exceeding the I/C DEC.

The pesticide dieldrin was detected in sample SW-1 at a concentration of 0.0072ug/L which exceeds the GBPMC of 0.007ug/L for this compound. No other pesticides were detected at concentrations above laboratory detection limits in the sample collected from this area.

The VOC *cis*-1,2-dichoroethylene was detected in two (2) samples (Bottom-10 and Bottom-24) at concentrations below the I/C DEC and GB PMC for this compound. No other VOCs were identified at concentrations above laboratory detection limits in the samples collected from this area.

No PAHs were detected above laboratory detection limits in the samples collected from this area.

RAC-5A Former Loading Rack (located within a portion of RAC-1)

ETPH was detected in five (5) of the six (6) samples collected from this area at concentrations ranging from 61ppm to 950ppm which are below the I/C DEC and GBPMC of 2,500 ppm.

Metals including arsenic, barium, cadmium, chromium, lead and mercury were detected in both samples (SW-4 and Bottom-7) analyzed for metals. None of the metals were reported at concentrations exceeding the I/C DEC.

Pesticides were not detected at concentrations above laboratory detection limits in the sample collected from this RAC for analysis of pesticides.

The VOC *cis*-1,2-dichoroethylene was detected in one (1) sample (Bottom-9) at a concentration below the I/C DEC and GB PMC for this compound. No other VOCs were identified at concentrations above laboratory detection limits in the samples collected from this area.

Various PAHs were detected in three (3) of the six (6) samples collected from this RAC at concentrations below the I/C DEC and GBPMC. These samples were sidewall samples. None of the bottom samples collected from this RAC were reported to contain PAHs at concentrations above laboratory detection limits.

RAC-2 Former Drum Filling Building

ETPH was detected in five (5) of the nine (9) samples collected from this area at concentrations ranging from 13ppm to 910ppm which are below the I/C DEC and GBPMC of 2,500 ppm.

Metals including arsenic, barium, chromium, and lead were detected in all of the samples from this RAC. Cadmium was detected in six (6) of the samples and mercury was detected in three (3) of the samples. All metals concentrations were reported as being below the I/C DEC.

Dieldrin and 4,4-DDE were detected in one (1) sample (Bottom-23) from this RAC at concentrations below the I/C DEC and GBPMC. The other three (3) samples collected from this RAC for pesticide analysis were found not to contain pesticide concentrations above laboratory detection limits.

PCE and *cis*-1,2-dichoroethylene were detected in one (1) sample (Bottom-23) at concentrations below the I/C DEC and GB PMC for this compound. Two samples collected from this area (Bottom-26 and Bottom-27) were found to contain concentrations of xylenes below the I/C DEC and GBPMC. No other VOCs were identified at concentrations above laboratory detection limits in the samples collected from this area.

No PAHs were detected above laboratory detection limits in the samples from this area analyzed for this parameter.

RAC-3 Former Chemical Manhole

ETPH was detected in four (4) of the five (5) samples collected from this area at concentrations ranging from 22ppm to 180ppm which are below the I/C DEC and GBPMC of 2,500ppm.

Barium, chromium, and lead were detected in the three (3) samples collected from this area, analyzed for these parameters. Cadmium was detected also detected in two (2) of these samples. The concentrations of these metals were below the I/C DEC. Arsenic was detected in two (2) of these samples (SW-22 and Bottom-29) at concentrations of 11ppm and 12ppm which is above the I/C DEC of 10 ppm for this parameter.

PCE was detected in one (1) sample (Bottom-30) collected from this area at a concentration below the I/C DEC and GBPMC. No other VOCs were detected at concentration above laboratory detection limits in the four (4) other samples from this area analyzed for this parameter.

No PAHs were detected at concentrations above laboratory detection limits in the three (3) samples from this area analyzed for this parameter.

No pesticides were detected at concentrations above laboratory detection limits in the sample from this area analyzed for this parameter.

RAC-4 Leaching Field

ETPH was detected in three (3) of the five (5) samples collected from this area at concentrations ranging from 20ppm to 260ppm which are below the I/C DEC and GBPMC.

Barium, cadmium, chromium, and lead were detected in the two (2) of the samples at concentrations below the I/C DEC. Arsenic was detected in one (1) sample at a concentration below the I/C DEC and in another (SW-18) at a concentration of 12ppm which is above the I/C DEC.

Ethylbenzene, toluene, and xylenes were detected in sample SW-19 at a concentration below the I/C DEC and GBPMC. VOCs were not detected in the other four (4) samples collected from this area analyzed for this parameter.

No PAHs were detected at concentrations above laboratory detection limits in the three (3) samples from this area analyzed for this parameter.

The pesticide endrin was detected in the sample (SW-19) collected from this area at a concentration below the I/C DEC and GBPMC. No other pesticides were detected at a concentration above laboratory detection limits.

RAC-5B Former Loading Rack

ETPH was detected in two (2) of the five (5) samples collected from this area at concentrations ranging from 21ppm to 350ppm which are below the I/C DEC and GBPMC.

Arsenic, barium, cadmium, chromium, and lead were detected in the three (3) samples from this area analyzed for this parameter. Silver was also detected in one (1) of these samples. The concentrations of these metals were below the I/C DEC.

PCE, TCE, *cis*-1,2-dichoroethylene, and toluene were detected in one (1) sample (Bottom-33) from this area. PCE and toluene were also detected in two (2) other samples Bottom 32 and SW-30, respectively. The concentrations of these VOCs were below the I/C DEC and GBPMC.

PAHs were not detected above laboratory detection limits in the two (2) samples from this area analyzed for this parameter.

No pesticides were detected at concentrations above laboratory detection limits in the two (2) samples from this area analyzed for this parameter.

Black Oily Layer

ETPH was detected at a concentration of 11,000ppm in the sample collected from this layer. No VOCs or PAHs were detected at concentrations above laboratory detection limits. Metals including arsenic, barium, cadmium, chromium, and lead were detected at concentrations below the I/C DEC.

Excavation Water Sample Analytical Results

ETPH was detected at a concentration of 320ppm in the sample of ponding water collected from inside the excavation. There is no SWPC or I/C VC are established for this parameter.

PCE and TCE were detected in this sample at concentrations of 6.1ppm and 5.3ppm, respectively, which is below the SWPC and I/C VC for PCE and TCE. *Cis*-1,2-dichoroethylene was also detected in this sample at a concentration below the SWPC and I/C VC for this compound.

No PAHs were detected at concentrations above laboratory detection limits in this sample.

Barium was detected in this sample, at a concentration of 62 mg/L. There is no SWPC or I/C VC are established for barium. No other metals were detected at a concentration above laboratory detection limits.

Backfill Material Analytical Results

Soil Stockpile located at the City of Middletown Water & Sewer Department

ETPH was detected at a concentration of 140ppm in one (1) of the five (5) samples submitted for analysis of this parameter. None of the other samples were reported to contain ETPH at concentrations above laboratory detection limits.

Several PAHs were detected in four (4) of the samples at concentrations below the I/C DEC and GBPMC. Benzo(a)pyrene and benzo(b)fluorathene were detected in one (1) sample at concentrations of 1.4ppm and 1.5ppm respectively. These concentrations are above the GBPMC of 1ppm for this parameter.

No VOCs or pesticides were detected at concentrations above analytical detection limits in any of the samples.

Metals including arsenic, barium, chromium, and lead were detected in these samples at concentrations below the I/C DEC.

<u>On-Site Materials</u>

ETPH was detected at a concentration of 410ppm in the sample collected from the rubble pile and 160ppm in the concrete sample. These concentrations are below the I/C DEC and GBPMC. ETPH was not detected at concentration above laboratory detection limits in the soil and concrete samples collected from the former loading ramp along the railroad spur.

PCE was detected at a concentration below the I/C DEC and GBPMC in the sample collected from the concrete associated with the former loading ramp. No other VOCs were detected at a concentration above laboratory detection limits in the other samples of on-Site backfill materials.

Various PAHs were detected in the sample collected from the rubble pile. Concentrations of benzo(a)pyrene, benzo(b)fluoranthene, and chrysene were detected at 1.2ppm, 1.6ppm, and 1.1ppm, respectively. These concentrations are above the GBPMC of 1ppm for these parameters. No PAHs were detected at concentrations above laboratory detection limits in the other samples of on-Site backfill materials.

Metals including arsenic, barium, chromium, and lead were detected at concentrations below the I/C DEC in the samples of on-Site backfill materials.

Data Validation

In accordance with the QAPP the quality assurance and control program included a review of field procedures (actual field procedures compared to the submitted Standard Operating Procedures (SOPs)), laboratory data validation, and an evaluation of soil analytical usability. Groundwater samples were not collected as part of this remediation, so a groundwater analytical usability study was not performed.

Field Data Validation

Upon completion of the field work phase of the remediation a comparison of actual field procedures to the submitted SOPs was completed. No deviations between the field procedures and the submitted SOPs were identified.

Laboratory Data Validation

Upon completion of the field work portion of the investigation a comparison of the project sampling objectives to the actual samples collected was completed. The evaluation included a review of the samples collected, preservation methods, sample containers, chains of custody, requested and completed analyses, and hold times. A

summary of the soil data validation information is presented in Table 6. A discussion of the samples validation is presented below.

- Correct containers and correct preservation methods were used and temperature guidelines were maintained.
- The completed analysis matched the requested analysis in all cases.
- All submitted samples were analyzed within their proper hold time.

All RCP QA/QC exceptions are documented in the case narrative included in the analytical reports.

Soil Data Usability Evaluation

Thirty-seven (37) soil samples (thirty-five (35) primary samples and two (2) duplicate samples) were collected for laboratory analysis during this remediation. The primary and duplicate samples were submitted for laboratory analysis of ETPH, RCRA 8 total metals, VOCs, and PAHs.

A discussion of the primary and duplicate sample analyses is presented below. A statistical comparison of the soil QA/QC samples is presented on Table 7.

Duplicate samples were collected for sidewall sample SW-15 and bottom sample Bottom-33. The duplicate samples were analytical for parameters identical to the primary samples.

- SW-15 – The percent relative difference between the primary and duplicate sample ranged from 0.00% (all VOCs, SVOCs, and some metals) to a maximum of 433.33% (ETPH). The average percent relative difference for the parameters analyzed is 5.39%. However, disregarding the ETPH percent difference yields an average percent difference for the parameters analyzed of 0.78%.

- Bottom-33 – The percent relative difference between the primary and duplicate sample ranged from 0.00% (all SVOCs, the majority of VOCs, and some metals) to a maximum of 38.13% (toluene). The average percent relative difference for the parameters analyzed is 2.14%.

The large difference in the reported results of some parameters between the primary and duplicate samples is potentially due to the methodology of post-excavation sample collection and due to the inherent nature of post-excavation discrete samples. The primary and duplicate samples were not composited together prior to collecting the samples, but rather two discrete samples were collected from adjacent locations in the sidewall and bottom of the excavation. This type of sample collection naturally leads to heterogeneous samples matrixes which would help account for the variation in results.

3

Backfilling Activities

Backfilling activities were conducted by the City of Middletown Department of Public Works from July 2nd to July 7th, 2010. The majority of the backfill material (~ 1900 cubic yards) was obtained from the City of Middletown Water & Sewer Department (SWD). This material was stored at the SWD yard located on Berlin Street in Middletown. The material was reportedly generated from various utility projects in the City. In addition to this material other on-Site materials including concrete from the loading ramp located adjacent to the railroad spur, soil from the interior of this ramp, concrete from a building slab/footing that was in the excavated area, and material from a rubble pile located along the southwest corner of the Site were used for backfilling of the excavation. As previously mentioned this material was sampled and analyzed for various parameters prior to use as backfill material on-Site. Although sample results indicated backfill material contained low levels of ETPH and PAH's, the detection of these parameters is likely related to the minor asphalt fragments observed in association with this material.

With regard to the low concentration of PCE detected in the concrete sample collected from the loading ramp, since no black staining (indicative of a release of PCE) was observed in association with the concrete, the detection of PCE in this sample is not believed to be the result of a release of PCE or representative of the entire concrete ramp.

CTDEP RSRs contain a provision for re-use of polluted soils which allows sites that are in a formal program to obtain the Commissioner's approval to use polluted soils on-site or for use on another site if certain conditions are met. Based on the intent of this provision, sampling results and visual observations, availability of material, overall goals for the project, and the fact that the Site is located within a GB classified groundwater area and groundwater in the vicinity of the Site is not used for potable purposes, this material was considered suitable for backfilling activities for this project.

In addition to backfilling of the excavation, an area of wetlands was also filled. A permit was issued by the City of Middletown to fill up to 4,999 square feet of wetland area to facilitate capping of impacted soils/sediment in the wetland area. The backfilled excavation and filled wetland area are slated to be paved by November 2010.

4

Conclusions

The remedial activities summarized in this report included the excavation of ~2,400 tons of impacted material from the western portion of the Site, off-Site disposal of the material, and post-excavation confirmatory sampling. The excavation activities were completed in accordance with our original proposal dated January 14, 2010 (revision #1 dated March 2, 2010) and were based on the Remedial Action Plan for the Site dated July 23, 2007 prepared by HRP Associates, Inc.

Confirmatory soil sample results indicate that, with the exception of the black oily layer, excavation activities were successful in removing soils impacted with concentrations of ETPH, PAHs, and VOCs above the I/C DEC and GB PMC from the excavated area. This layer is believed to either be associated with a historically, oiled-gravel parking area or the leaching field of the former chemical building. A sample of this layer was found to contain concentrations of ETPH above I/C DEC. Due to time and funding constraints imposed by the project, excavation of this layer beyond project limits was not conducted. The aerial extent of this layer is unknown. This layer was greater than 2 feet bg in the vicinity of the excavation and could likely be included in the proposed engineered control (i.e. capping) and ELUR as part of future remedial activities for the Site.

Concentrations of arsenic slightly exceeding the I/C DEC in RAC-3 and RAC-4 and the pesticide dieldrin slightly exceeding the GBPMC in RAC-1 were the only exceedances of these RSR criteria identified with regard to confirmatory soil sample results. Sampling for leachable metals concentrations was not conducted as part of this project since HRP's December 2009 Cost Estimate for the project did not include provisions for metals analyses and due to budget constraints only select post excavation samples were analyzed for total metals.

According to HRP's Phase III and RAP additional remedial activities for the excavated area are required including capping (i.e. two feet of clean soil and three inches of pavement) and implementation of an ELUR. Furthermore additional investigations for the Site were recommended by HRP for select RAC's. Since the Site is enrolled in the CTDEP Voluntary Remediation Program there is a requirement for additional investigations and remediation (if warranted) to bring the Site into compliance with CTDEP RSRs. Also post-remediation groundwater monitoring requirements will need to be completed for any remedial activities conducted for the Site including those documented in this report.

It is our understanding the Client intends to enter into a purchase and sale agreement or lease of the Site and that the Client intends to maintain responsibility for bringing the Site into compliance with CTDEP RSRs. Since the Site is enrolled in the VRP in 1999, new Form filings may be required for submission to CTDEP upon transfer of ownership of the Site.

5

Recommendations

Based on the results of remedial activities and information contained in this report, VHB makes the following recommendations with regard to bringing the Site into compliance with CTDEP RSRs:

- Completion of remedial actions for the project area recommended by HRP including capping, ELUR, and post-remediation groundwater monitoring.

- Conduct additional investigations and remediation (if warranted) in select RAC's recommended by HRP.

- Determine obligations and LEP requirements with regard to VRP form filings required at the time ownership of the Site is transferred.

- Since the Client intends to maintain responsibility for existing contamination at the Site, we recommend establishing an agreement in writing with the prospective purchaser or future occupant that no disturbance to surface or subsurface soils occur nor any changes to Site configuration be made unless reviewed and approved (prior to such activities) by Client.

Figures

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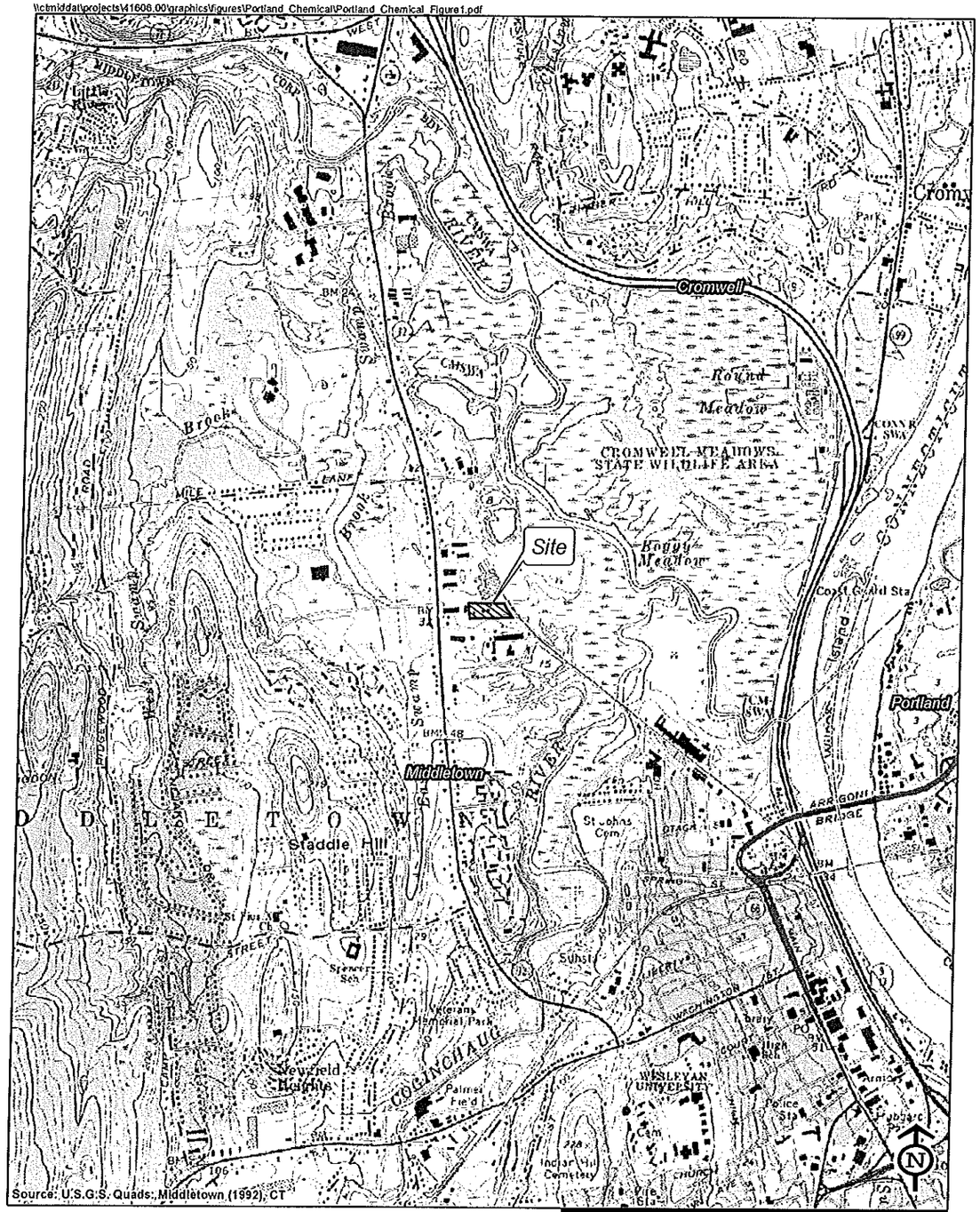
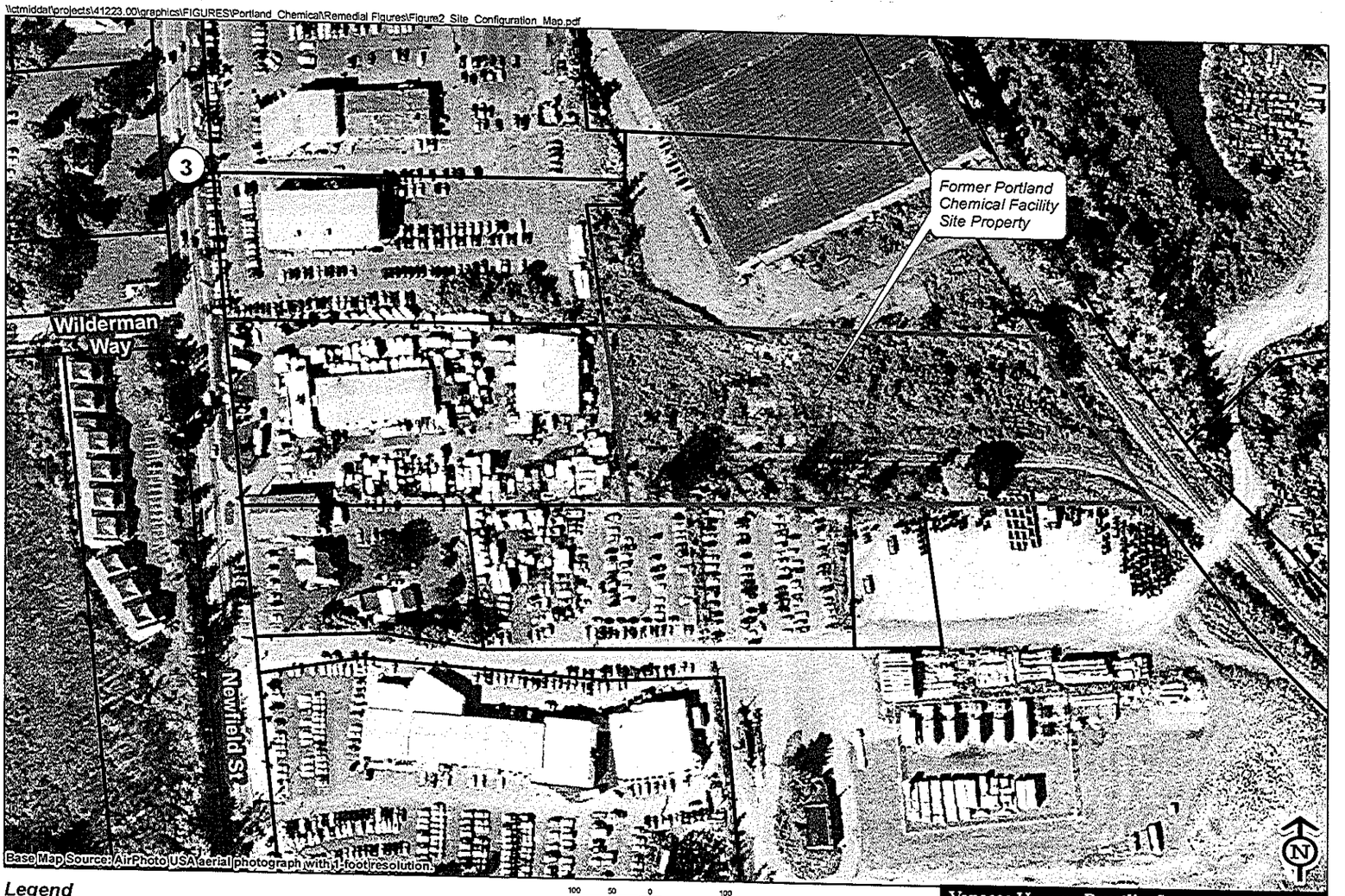


Vanasse Hangen Brustlin, Inc.

Figure 1
Site Location Map
Former Portland Chemical Facility
680 Newfield Street (Rear)
Middletown, Connecticut

\\ctmiddat\projects\41223.00\graphics\FIGURES\Portland_Chemical\Remedial Figures\Figure2_Site_Configuration_Map.pdf



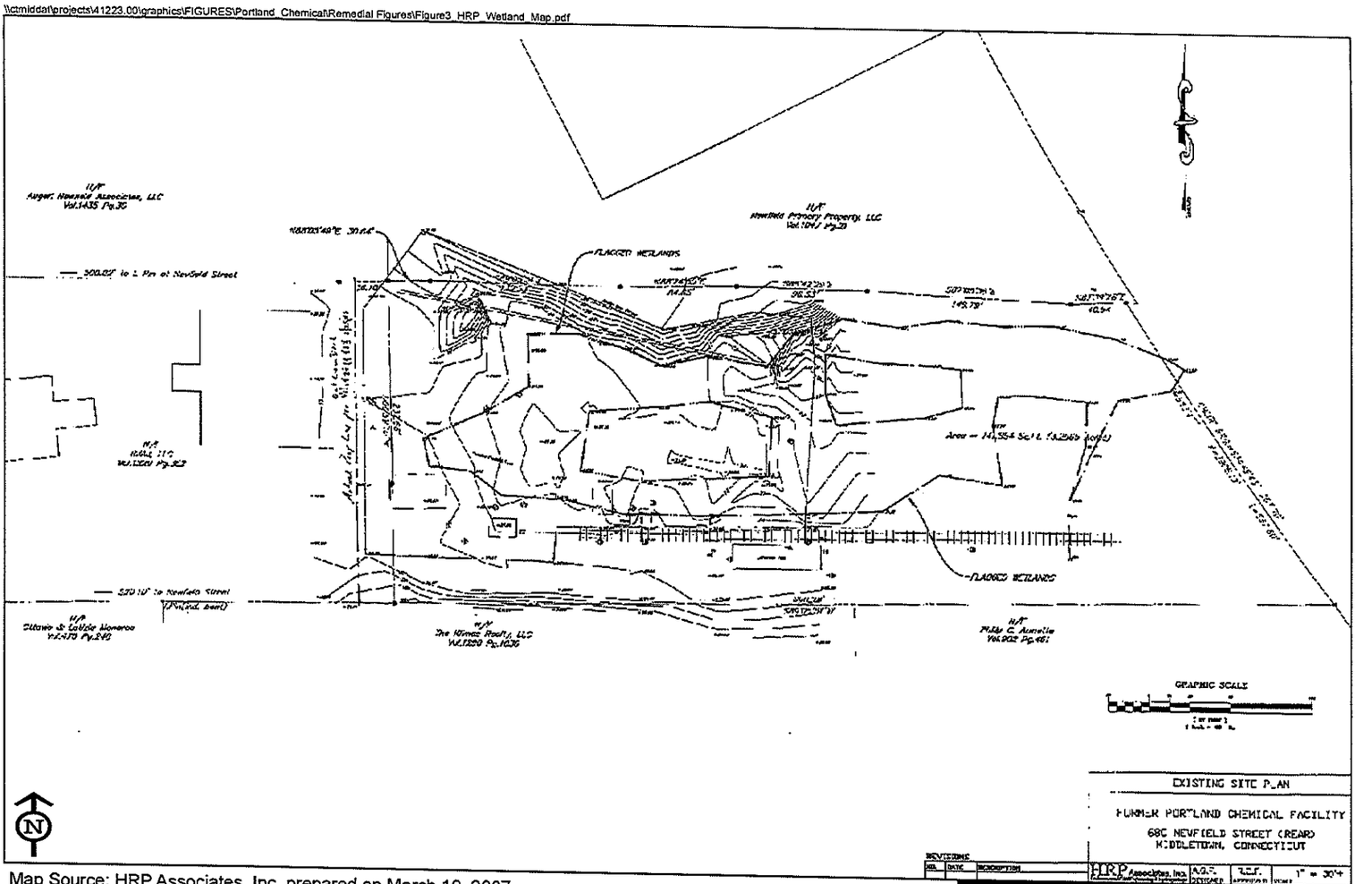
Legend

- Site Property Boundary
- Assessor Parcel Boundary

Vanasse Hangen Brustlin, Inc.

Figure 2
Site Configuration Map
Former Portland Chemical Facility
680 Newfield Street (Rear)
Middletown, CT

\\ctmiddat\projects\41223.00\graphics\FIGURES\Portland_Chemical\Remedial Figures\Figure3_HRP_Wetland_Map.pdf



Map Source: HRP Associates, Inc. prepared on March 19, 2007.

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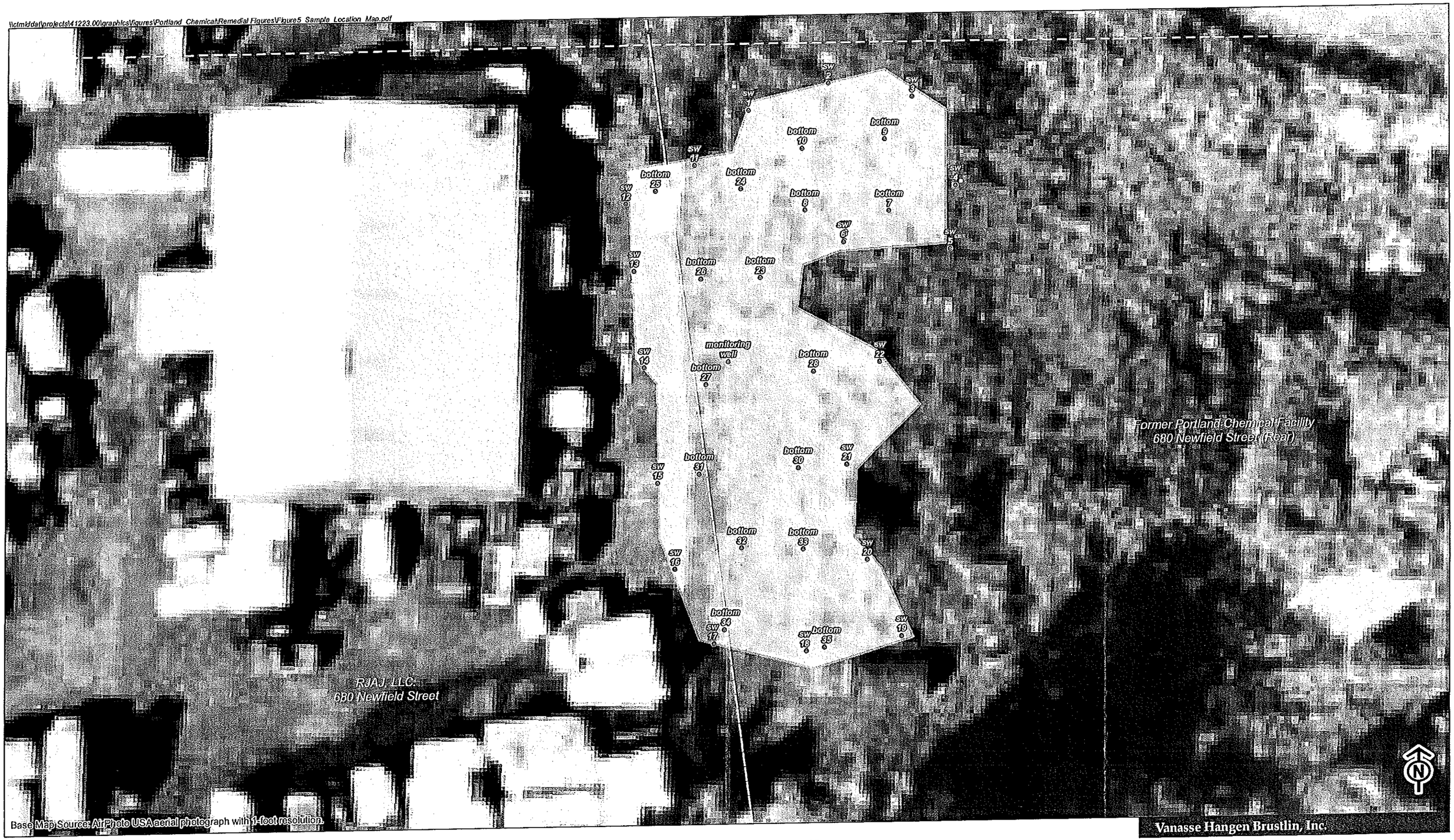
Figure 3
Wetland Mapping
Former Portland Chemical Facility
680 Newfield Street (Rear)
Middletown, CT

\\cmiddat\projects\41223.00\graphics\figures\Portland_Chemical\Remedial Figures\Figure5_Sample_Location_Map.pdf



Legend

- Sample Location; sample bottom-32
- Approximate Excavation Limit
- Assessor Parcel Boundary

25 12.5 0 25 Feet

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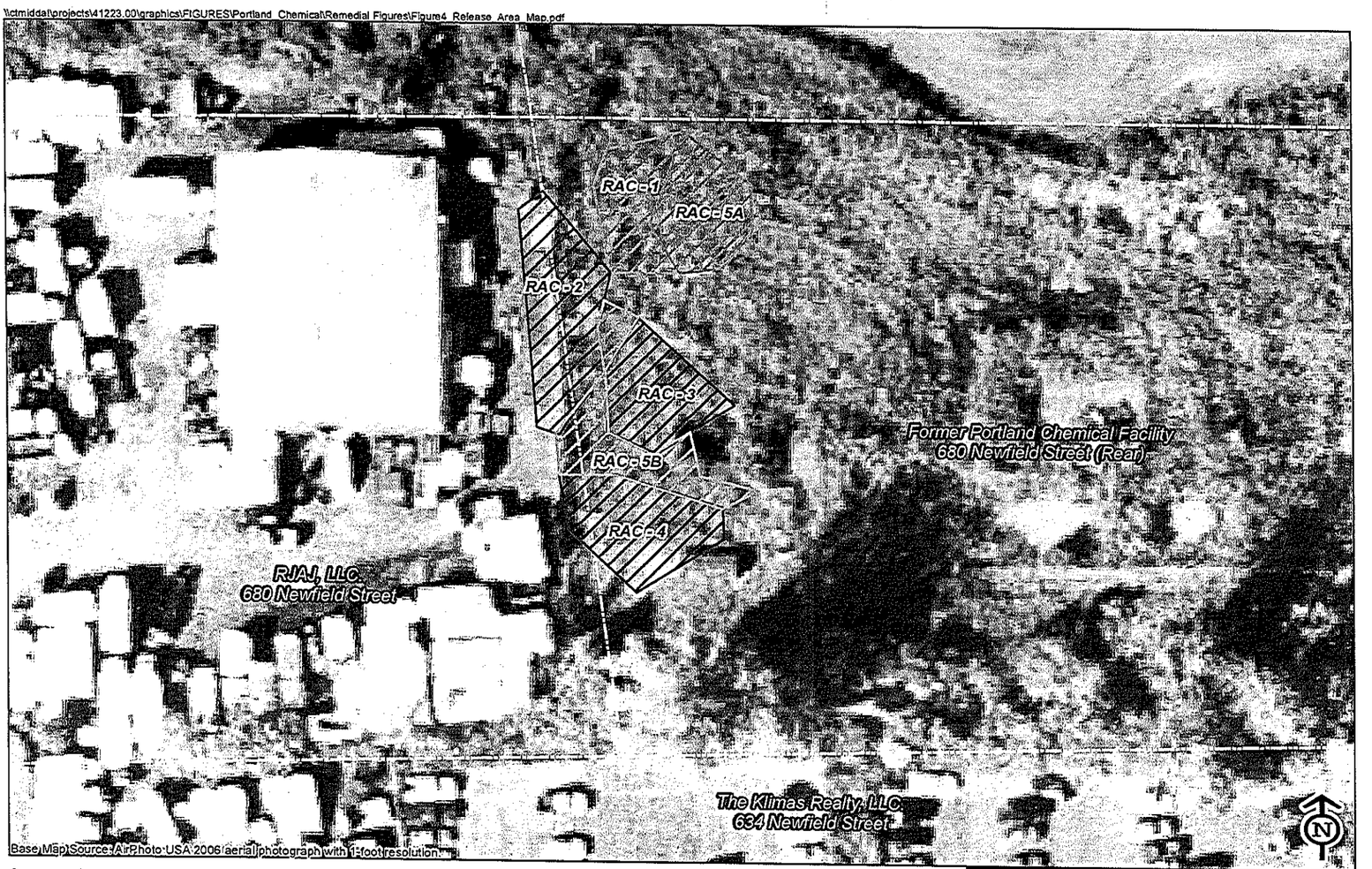
Figure 5
Post Excavation Sample Location Map
Former Portland Chemical Facility
680 Newfield Street (Rear)
Middletown, Connecticut

\\ctmiddat\projects\41223.00\graphics\FIGURES\Portland_Chemical\Remedial Figures\Figure4_Release_Area_Map.pdf



Legend

Release Area

- RAC-1 - Drum & Debris Burial
- RAC-2 - Former Drum Filling Building
- RAC-3 - Former Chemical Manhole
- RAC-4 - Leaching Field
- RAC-5A - Former Loading Rack
- RAC-5B - Former Loading Rack
- Assessor Parcel Boundary

25 12.5 0 25 50 Feet

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Figure 4
Release Area Map
Former Portland Chemical Facility
680 Newfield Street (Rear)
Middletown, CT

\\cmiddat\projects\41223.00\graphics\FIGURES\Portland Chemical\Remedial Figures\Figure OnSite Sample Location Map.pdf

Legend

- Sample Location
- Site Property Boundary
- Assessor Parcel Boundary

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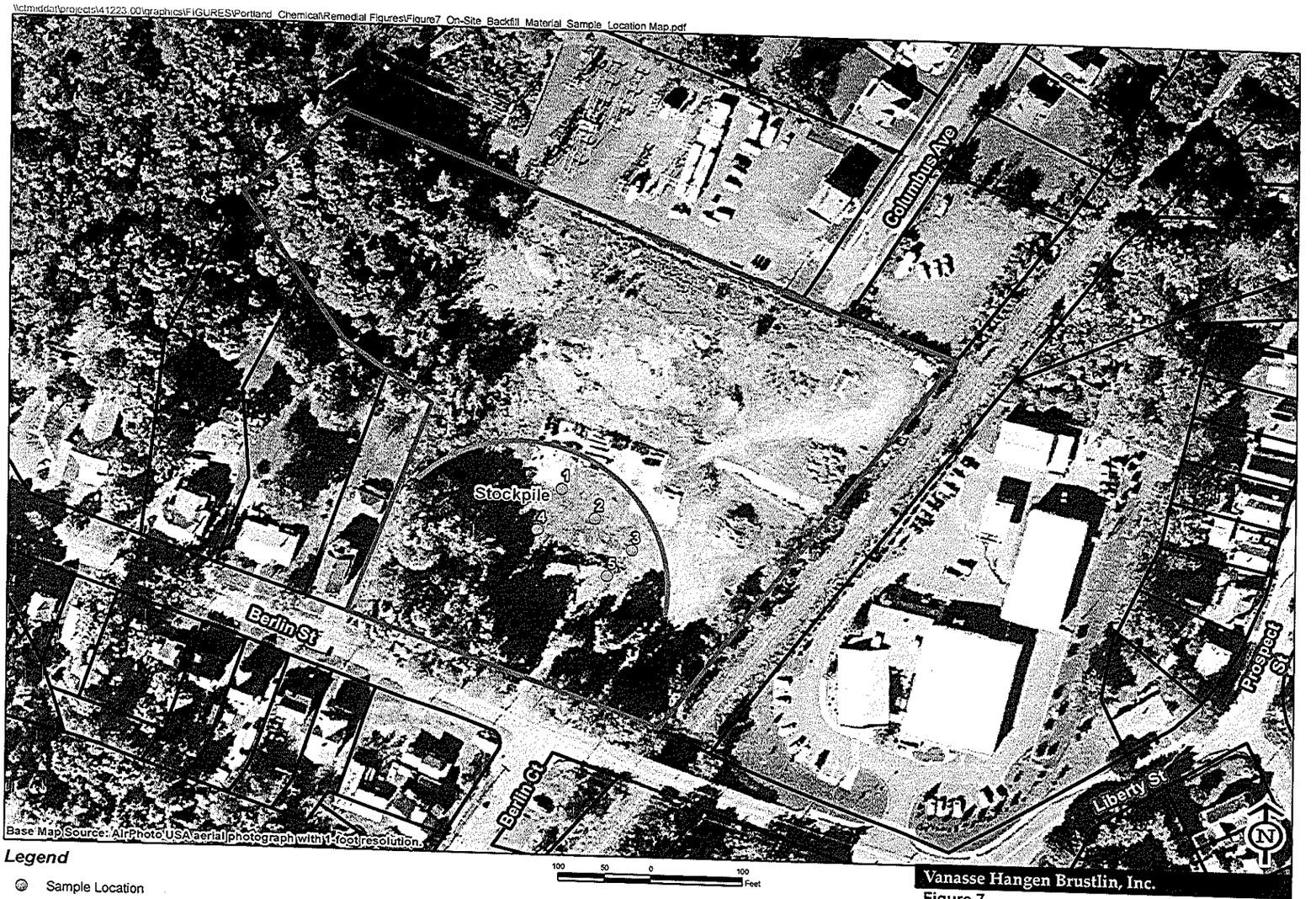
Figure 6
On-Site Backfill Material Sample Location Map
Former Portland Chemical Facility
680 Newfield Street (Rear)
Middletown, CT

\\ctmiddat\projects\41223.00\graphics\FIGURES\Portland_Chemical\Remedial Figures\Figure7 On-Site Backfill Material Sample Location Map.pdf



Legend

- Sample Location
- Stockpile Boundary
- Site Property Boundary
- Assessor Parcel Boundary

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Figure 7
Off-Site Backfill Material Sample Location Map
Department of Public Works
116 Berlin Street
Middletown, CT

Tables

Table 1 - Summary of Remedial Areas of Concern

Former Portland Chemical Facility
680 Newfield Street (rear)
Middletown, CT

Remedial Areas of Concern	Phase III Release Areas Included in RAC	Constituents of Concern	Criteria Exceeded	Anticipated Excavation Depth	Estimated Volume to be Excavated
RAC-1	RA-1 Waste Burial RA-13 Emergency Response	ETPH, VOCs, & PAHs	GB PMC	(+/-) 4' bg	375 cubic yards
RAC-2	RA-1 Waste Burial RA-4 Leaching Field RA-6 Drum Storage	ETPH, VOCs, & Pesticides	GB PMC	(+/-) 4' bg	300 cubic yards
RAC-3	RA-1 Waste Burial RA-4 Leaching Field RA-6 Drum Storage RA-13 Emergency Response	VOCs, & PAHs	GB PMC	(+/-) 4' bg	200 cubic yards
RAC-4	RA-1 Waste Burial RA-2 Former Drum Filling Building	ETPH & VOCs	GB PMC	(+/-) 3' bg	250 cubic yards
RAC-5A	RA-1 Waste Burial RA-13 Emergency Response	ETPH	I/C DEC	(+/-) 5.5' bg	435 cubic yards
RAC-5B	RA-1 Waste Burial RA-2 Former Drum Filling Building RA-4 Leaching Field RA-6 Drum Storage RA-13 Emergency Response	ETPH, SVOCs, VOCs, & Chromium	I/C DEC	(+/-) 3' bg	

Notes:

The information presented in this table was taken from the HRP, Remedial Action Plan, dated July 23, 2007.

Table 2 - Post-Excavation Sample Field Screening

Former Portland Chemical Facility
680 Newfield Street (rear)
Middletown, CT

Sample ID	Release Area	Sample Date	PID Response
SW-1	RAC -1	May 7, 2010	0.2 ppm
SW-2	RAC-1	May 7, 2010	0.3 ppm
SW-3	RAC-5A	May 7, 2010	0.5 ppm
SW-4	RAC-5A	May 7, 2010	0.5 ppm
SW-5	RAC-1	May 7, 2010	1.1 ppm
SW-6	RAC-5A	May 7, 2010	0.7 ppm
Bottom-7	RAC-5A	May 7, 2010	6.1 ppm
Bottom-8	RAC-1	May 7, 2010	0.8 ppm
Bottom-9	RAC-5A	May 7, 2010	3.1 ppm
Bottom-10	RAC-1	May 7, 2010	0.3 ppm
SW-11	RAC-2	May 24, 2010	0.0 ppm
SW-12	RAC-2	May 24, 2010	0.0 ppm
SW-13	RAC-2	May 24, 2010	0.0 ppm
SW-14	RAC-2	May 24, 2010	1.5 ppm
SW-15	RAC-2	May 24, 2010	0.0 ppm
SW-15 DUP	RAC-2	May 24, 2010	0.0 ppm
SW-16	RAC-4	May 24, 2010	0.0 ppm
SW-17	RAC-4	May 24, 2010	0.0 ppm
SW-18	RAC-4	May 24, 2010	0.2 ppm
SW-19	RAC-4	May 24, 2010	41.7 ppm
SW-20	RAC-5B	May 24, 2010	0.0 ppm
SW-21	RAC-3	May 24, 2010	0.0 ppm
SW-22	RAC-3	May 24, 2010	0.2 ppm
Bottom-23	RAC-2	May 24, 2010	0.0 ppm
Bottom-24	RAC-1	May 24, 2010	0.0 ppm
Bottom-25	RAC-2	May 24, 2010	0.0 ppm
Bottom-26	RAC-2	May 24, 2010	0.0 ppm
Bottom-27	RAC-2	May 24, 2010	0.6 ppm
Bottom-28	RAC-5B	May 24, 2010	0.1 ppm
Bottom-29	RAC-3	May 24, 2010	0.0 ppm
Bottom-30	RAC-3	May 24, 2010	0.2 ppm
Bottom-31	RAC-3	May 24, 2010	0.0 ppm
Bottom-32	RAC-4	May 24, 2010	0.2 ppm
Bottom-33	RAC-5B	May 24, 2010	1.2 ppm
Bottom-33 DUP	RAC-5B	May 24, 2010	1.2 ppm
Bottom-34	RAC-4	May 24, 2010	0.0 ppm
Bottom-35	RAC-4	May 24, 2010	0.0 ppm

Notes: Samples were field screened using "headspace" protocols and a photoionization detector (PID) equipped with a 10.6 eV bulb which measures total volatile organic compounds (TVOCs) in parts per million (ppm).

Table 3 - Post-Excavation Sample Analytical Matrix

Former Portland Chemical Facility
680 Newfield Street (rear)
Middletown, CT

Sample ID	Release Area	Sample Date	Laboratory ID Number	Parameters Analyzed				
				CT ETPH	VOCs	PAH	RCRA 8 Metals	Pesticides
SW-1	RAC -1	5/7/2010	10E0185-01	Yes	Yes	Yes		Yes
SW-2	RAC-1	5/7/2010	10E0185-02	Yes	Yes	Yes		
SW-3	RAC-1 & 5A	5/7/2010	10E0185-03	Yes	Yes	Yes		Yes
SW-4	RAC-1 & 5A	5/7/2010	10E0185-04	Yes	Yes	Yes	Yes	
SW-5	RAC-1 & 5A	5/7/2010	10E0185-05	Yes	Yes	Yes		
SW-6	RAC-1 & 5A	5/7/2010	10E0185-06	Yes	Yes	Yes		
Bottom-7	RAC-1 & 5A	5/7/2010	10E0185-07	Yes	Yes	Yes	Yes	
Bottom-8	RAC-1	5/7/2010	10E0185-08	Yes	Yes	Yes	Yes	
Bottom-9	RAC-1 & 5A	5/7/2010	10E0185-09	Yes	Yes	Yes		
Bottom-10	RAC-1	5/7/2010	10E0185-10	Yes	Yes	Yes		
SW-11	RAC-2	5/24/2010	10E0574-01	Yes	Yes	Yes	Yes	
SW-12	RAC-2	5/24/2010	10E0574-02	Yes	Yes	Yes	Yes	Yes
SW-13	RAC-2	5/24/2010	10E0574-03	Yes	Yes	Yes	Yes	Yes
SW-14	RAC-2	5/24/2010	10E0574-04	Yes	Yes	Yes	Yes	
SW-15	RAC-2	5/24/2010	10E0574-05	Yes	Yes	Yes	Yes	
SW-15 DUP	RAC-2	5/24/2010	10E0574-26	Yes	Yes	Yes	Yes	
SW-16	RAC-5B	5/24/2010	10E0574-06	Yes	Yes			Yes
SW-17	RAC-4	5/24/2010	10E0574-07	Yes	Yes	Yes		
SW-18	RAC-4	5/24/2010	10E0574-08	Yes	Yes		Yes	
SW-19	RAC-4	5/24/2010	10E0574-09	Yes	Yes	Yes		Yes
SW-20	RAC-5B	5/24/2010	10E0574-10	Yes	Yes		Yes	
SW-21	RAC-3	5/24/2010	10E0574-11	Yes	Yes	Yes		
SW-22	RAC-3	5/24/2010	10E0574-12	Yes	Yes		Yes	
Bottom-23	RAC-2	5/24/2010	10E0574-13	Yes	Yes	Yes	Yes	Yes
Bottom-24	RAC-1	5/24/2010	10E0574-14	Yes	Yes		Yes	
Bottom-25	RAC-2	5/24/2010	10E0574-15	Yes	Yes	Yes	Yes	
Bottom-26	RAC-2	5/24/2010	10E0574-16	Yes	Yes	Yes	Yes	Yes
Bottom-27	RAC-2	5/24/2010	10E0574-17	Yes	Yes	Yes	Yes	
Bottom-28	RAC-5B	5/24/2010	10E0574-18	Yes	Yes	Yes		
Bottom-29	RAC-3	5/24/2010	10E0574-19	Yes	Yes	Yes	Yes	Yes
Bottom-30	RAC-3	5/24/2010	10E0574-20	Yes	Yes			
Bottom-31	RAC-3	5/24/2010	10E0574-21	Yes	Yes	Yes	Yes	
Bottom-32	RAC-5B	5/24/2010	10E0574-22	Yes	Yes			Yes
Bottom-33	RAC-5B	5/24/2010	10E0574-23	Yes	Yes	Yes	Yes	
Bottom-33 DUP	RAC-5B	5/24/2010	10E0574-27	Yes	Yes	Yes	Yes	
Bottom-34	RAC-4	5/24/2010	10E0574-24	Yes	Yes			
Bottom-35	RAC-4	5/24/2010	10E0574-25	Yes	Yes	Yes	Yes	

Notes: Analytical parameters selected for each sample were based on HRP's 2007 Remedial Action Plan and scope of work for this phase of the project.

Table 4 - Post-Excavation Sample Results

Former Portland Chemical Facility
680 Newfield Street (rear)
Middletown, CT

Parameter	RSR Criteria Used for Comparison		RAC - 1 (Drum & Debris Burial)				
	I/C DEC	GB PMC	SW-1	SW-2	Bottom-8	Bottom-10	Bottom-24
Sampling Date			5/7/2010 9:00:00 AM	5/7/2010 9:05:00 AM	5/7/2010 9:35:00 AM	5/7/2010 9:50:00 AM	5/24/2010 1:15:00 PM
Laboratory Report Number			10E0185	10E0185	10E0185	10E0185	10E0574
CTDEP ETPH (mg/Kg dry)							
ETPH	2500	2500	23	43	31	ND (11)	21
SM 2540G (% Wt)							
% Solids	~	~	89.7	91.3	84.5	87.5	92.8
SW-846 6010B (mg/Kg dry) Metals Digestion							
Arsenic	10	~	NT	NT	4.8	NT	3.7
Barium	140000	~	NT	NT	56	NT	65
Cadmium	1000	~	NT	NT	ND (0.29)	NT	0.37
Chromium	~	~	NT	NT	15	NT	13
LEAD	1000	~	NT	NT	9.2	NT	6.3
Selenium	10000	~	NT	NT	ND (5.7)	NT	ND (5.3)
Silver	10000	~	NT	NT	ND (0.57)	NT	ND (0.53)
SW-846 7471A (mg/Kg dry) Metals Digestion							
Mercury	610	~	NT	NT	ND (0.019)	NT	0.019
SW-846 8081A (mg/Kg dry)							
ALACHOR	~	~	ND (0.022)	NT	NT	NT	NT
Aldrin	0.34	~	ND (0.0056)	NT	NT	NT	NT
ALPHA-BHC	0.91	~	ND (0.0056)	NT	NT	NT	NT
BETA-BHC	3.2	~	ND (0.0056)	NT	NT	NT	NT
DELTA-BHC	0.91	~	ND (0.0056)	NT	NT	NT	NT
GAMMA-BHC (LINDANE)	610	0.04	ND (0.0033)	NT	NT	NT	NT
CHLORDANE	2.2	0.066	ND (0.022)	NT	NT	NT	NT
4,4'-DDD	24	~	ND (0.0089)	NT	NT	NT	NT
4,4'-DDE	17	~	ND (0.0045)	NT	NT	NT	NT
4,4'-DDT	17	~	ND (0.0089)	NT	NT	NT	NT
Dieldrin	0.36	0.007	[redacted]	NT	NT	NT	NT
Endosulfan I	1200	8.4	ND (0.0056)	NT	NT	NT	NT
Endosulfan II	1200	8.4	ND (0.0089)	NT	NT	NT	NT
Endosulfan Sulfate	1200	8.4	ND (0.0089)	NT	NT	NT	NT
Endrin	610	~	ND (0.0089)	NT	NT	NT	NT
Endrin Aldehyde	610	~	ND (0.0089)	NT	NT	NT	NT
ENDRIN KETONE	610	~	ND (0.0089)	NT	NT	NT	NT
Heptachlor	1.3	0.013	ND (0.0056)	NT	NT	NT	NT
Heptachlor Epoxide	0.63	0.02	ND (0.0056)	NT	NT	NT	NT
HEXACHLOROBENZENE	3.6	1	ND (0.0056)	NT	NT	NT	NT
Methoxychlor	10000	8	ND (0.056)	NT	NT	NT	NT
Toxaphene	5.2	0.6	ND (0.11)	NT	NT	NT	NT
SW-846 8260B (mg/Kg dry)							
ACETONE	1000	140	ND (0.099)	ND (0.11)	ND (0.12)	ND (0.10)	ND (0.097)
ACRYLONITRILE	11	0.1	ND (0.0059)	ND (0.0063)	ND (0.0070)	ND (0.0060)	ND (0.0058)
BENZENE	200	0.2	ND (0.0020)	ND (0.0021)	ND (0.0023)	ND (0.0020)	ND (0.0019)
BROMOBENZENE	~	~	ND (0.0020)	ND (0.0021)	ND (0.0023)	ND (0.0020)	ND (0.0019)
BROMODICHLOROMETHANE	92	0.11	ND (0.0020)	ND (0.0021)	ND (0.0023)	ND (0.0020)	ND (0.0019)
BROMOFORM	720	0.8	ND (0.0020)	ND (0.0021)	ND (0.0023)	ND (0.0020)	ND (0.0019)
BROMOMETHANE	1000	2	ND (0.0099)	ND (0.011)	ND (0.012)	ND (0.010)	ND (0.0097)
2-BUTANONE (MEK)	1000	80	ND (0.040)	ND (0.042)	ND (0.047)	ND (0.040)	ND (0.039)
N-BUTYLBENZENE	1000	14	ND (0.0020)	ND (0.0021)	ND (0.0023)	ND (0.0020)	ND (0.0019)
SEC-BUTYLBENZENE	1000	14	ND (0.0020)	ND (0.0021)	ND (0.0023)	ND (0.0020)	ND (0.0019)
TERT-BUTYLBENZENE	1000	14	ND (0.0020)	ND (0.0021)	ND (0.0023)	ND (0.0020)	ND (0.0019)
CARBON DISULFIDE	1000	140	ND (0.0059)	ND (0.0063)	ND (0.0070)	ND (0.0060)	ND (0.0058)
CARBON TETRACHLORIDE	44	1	ND (0.0020)	ND (0.0021)	ND (0.0023)	ND (0.0020)	ND (0.0019)
CHLOROBENZENE	1000	20	ND (0.0020)	ND (0.0021)	ND (0.0023)	ND (0.0020)	ND (0.0019)
CHLORODIBROMOMETHANE	68	0.1	ND (0.00099)	ND (0.0011)	ND (0.0012)	ND (0.0010)	ND (0.00097)
CHLOROETHANE	~	~	ND (0.020)	ND (0.021)	ND (0.023)	ND (0.020)	ND (0.019)
CHLOROFORM	940	1.2	ND (0.0040)	ND (0.0042)	ND (0.0047)	ND (0.0040)	ND (0.0039)
CHLOROMETHANE	440	0.54	ND (0.0099)	ND (0.011)	ND (0.012)	ND (0.010)	ND (0.0097)
2-CHLOROTOLUENE	~	~	ND (0.0020)	ND (0.0021)	ND (0.0023)	ND (0.0020)	ND (0.0019)
4-CHLOROTOLUENE	~	~	ND (0.0020)	ND (0.0021)	ND (0.0023)	ND (0.0020)	ND (0.0019)
1,2-DIBROMO-3-CHLOROPROPANE	4.1	~	ND (0.0020)	ND (0.0021)	ND (0.0023)	ND (0.0020)	ND (0.0019)
EDB	~	~	ND (0.00099)	ND (0.0011)	ND (0.0012)	ND (0.0010)	ND (0.00097)
DIBROMOMETHANE	~	~	ND (0.0020)				

Table 4 - Post-Excavation Sample Results

Former Portland Chemical Facility
680 Newfield Street (rear)
Middletown, CT

Parameter	RSR Criteria Used for Comparison		RAC - 1 and RAC - 5A (Former Loading Rack)					
	I/C DEC	GB PMC						
Sampling Date			SW-3	SW-4	SW-5	SW-6	Bottom-7	Bottom-9
Laboratory Report Number			5/7/2010 9:10:00 AM	5/7/2010 9:15:00 AM	5/7/2010 9:20:00 AM	5/7/2010 9:25:00 AM	5/7/2010 9:30:00 AM	5/7/2010 9:40:00 AM
			10E0185	10E0185	10E0185	10E0185	10E0185	10E0185
CTDEP ETPH (mg/Kg dry)								
ETPH	2500	2500	61	90	490	720	950	ND (12)
SM 2540G (% Wt)								
% Solids	~	~	91.5	86.3	91.0	74.2	85.0	85.1
SW-846 6010B (mg/Kg dry) Metals Digestion								
Arsenic	10	~	NT	7.1	NT	NT	7.5	NT
Barium	140000	~	NT	110	NT	NT	150	NT
Cadmium	1000	~	NT	0.95	NT	NT	1.2	NT
Chromium	~	~	NT	120	NT	NT	220	NT
LEAD	1000	~	NT	46	NT	NT	22	NT
Selenium	10000	~	NT	ND (5.8)	NT	NT	ND (5.9)	NT
Silver	10000	~	NT	ND (0.58)	NT	NT	ND (0.59)	NT
SW-846 7471A (mg/Kg dry) Metals Digestion								
Mercury	610	~	NT	0.047	NT	NT	0.024	NT
SW-846 8081A (mg/Kg dry)								
ALACHOR	~	~	ND (0.021)	NT	NT	NT	NT	NT
Aldrin	0.34	~	ND (0.0054)	NT	NT	NT	NT	NT
ALPHA-BHC	0.91	~	ND (0.0054)	NT	NT	NT	NT	NT
BETA-BHC	3.2	~	ND (0.0054)	NT	NT	NT	NT	NT
DELTA-BHC	0.91	~	ND (0.0054)	NT	NT	NT	NT	NT
GAMMA-BHC (LINDANE)	610	0.04	ND (0.0032)	NT	NT	NT	NT	NT
CHLORDANE	2.2	0.066	ND (0.021)	NT	NT	NT	NT	NT
4,4'-DDD	24	~	ND (0.0086)	NT	NT	NT	NT	NT
4,4'-DDE	17	~	ND (0.0043)	NT	NT	NT	NT	NT
4,4'-DDT	17	~	ND (0.0086)	NT	NT	NT	NT	NT
Dieldrin	0.36	0.007	ND (0.0021)	NT	NT	NT	NT	NT
Endosulfan I	1200	8.4	ND (0.0054)	NT	NT	NT	NT	NT
Endosulfan II	1200	8.4	ND (0.0086)	NT	NT	NT	NT	NT
Endosulfan Sulfate	1200	8.4	ND (0.0086)	NT	NT	NT	NT	NT
Endrin	610	~	ND (0.0086)	NT	NT	NT	NT	NT
Endrin Aldehyde	610	~	ND (0.0086)	NT	NT	NT	NT	NT
ENDRIN KETONE	610	~	ND (0.0086)	NT	NT	NT	NT	NT
Heptachlor	1.3	0.013	ND (0.0054)	NT	NT	NT	NT	NT
Heptachlor Epoxide	0.63	0.02	ND (0.0054)	NT	NT	NT	NT	NT
HEXACHLOROBENZENE	3.6	1	ND (0.0054)	NT	NT	NT	NT	NT
Methoxychlor	10000	8	ND (0.054)	NT	NT	NT	NT	NT
Toxaphene	5.2	0.6	ND (0.11)	NT	NT	NT	NT	NT
SW-846 8260B (mg/Kg dry)								
ACETONE	1000	140	ND (0.10)	ND (0.11)	ND (0.10)	ND (0.12)	ND (0.11)	ND (0.12)
ACRYLONITRILE	11	0.1	ND (0.0060)	ND (0.0058)	ND (0.0062)	ND (0.0074)	ND (0.0065)	ND (0.0071)
BENZENE	200	0.2	ND (0.0020)	ND (0.0023)	ND (0.0021)	ND (0.0025)	ND (0.0022)	ND (0.0024)
BROMOBENZENE	~	~	ND (0.0020)	ND (0.0023)	ND (0.0021)	ND (0.0025)	ND (0.0022)	ND (0.0024)
BROMODICHLOROMETHANE	92	0.11	ND (0.0020)	ND (0.0023)	ND (0.0021)	ND (0.0025)	ND (0.0022)	ND (0.0024)
BROMOFORM	720	0.8	ND (0.0020)	ND (0.0023)	ND (0.0021)	ND (0.0025)	ND (0.0022)	ND (0.0024)
BROMOMETHANE	1000	2	ND (0.010)	ND (0.011)	ND (0.010)	ND (0.012)	ND (0.011)	ND (0.012)
2-BUTANONE (MEK)	1000	80	ND (0.040)	ND (0.045)	ND (0.041)	ND (0.049)	ND (0.044)	ND (0.047)
N-BUTYLBENZENE	1000	14	ND (0.0020)	ND (0.0023)	ND (0.0021)	ND (0.0025)	ND (0.0022)	ND (0.0024)
SEC-BUTYLBENZENE	1000	14	ND (0.0020)	ND (0.0023)	ND (0.0021)	ND (0.0025)	ND (0.0022)	ND (0.0024)
TERT-BUTYLBENZENE	1000	14	ND (0.0020)	ND (0.0023)	ND (0.0021)	ND (0.0025)	ND (0.0022)	ND (0.0024)
CARBON DISULFIDE	1000	140	ND (0.0060)	ND (0.0068)	ND (0.0062)	ND (0.0074)	ND (0.0065)	ND (0.0071)
CARBON TETRACHLORIDE	44	1	ND (0.0020)	ND (0.0023)	ND (0.0021)	ND (0.0025)	ND (0.0022)	ND (0.0024)
CHLOROBENZENE	1000	20	ND (0.0020)	ND (0.0023)	ND (0.0021)	ND (0.0025)	ND (0.0022)	ND (0.0024)
CHLORODIBROMOMETHANE	68	0.1	ND (0.0010)	ND (0.0011)	ND (0.0010)	ND (0.0012)	ND (0.0011)	ND (0.0012)
CHLOROETHANE	~	~	ND (0.020)	ND (0.023)	ND (0.021)	ND (0.025)	ND (0.022)	ND (0.024)
CHLOROFORM	940	1.2	ND (0.0040)	ND (0.0045)	ND (0.0041)	ND (0.0049)	ND (0.0044)	ND (0.0047)
CHLOROMETHANE	440	0.54	ND (0.010)	ND (0.011)	ND (0.010)	ND (0.012)	ND (0.011)	ND (0.012)
2-CHLOROTOLUENE	~	~	ND (0.0020)	ND (0.0023)	ND (0.0021)	ND (0.0025)	ND (0.0022)	ND (0.0024)
4-CHLOROTOLUENE	~	~	ND (0.0020)	ND (0.0023)	ND (0.0021)	ND (0.0025)	ND (0.0022)	ND (0.0024)
1,2-DIBROMO-3-CHLOROPROPANE	4.1	~	ND (0.0020)	ND (0.0023)	ND (0.0021)	ND (0.0025)	ND (0.0022)	ND (0.0024)
EDB	~	~	ND (0.0010)	ND (0.0011)	ND (0.0010)	ND (0.0012)	ND (0.0011)	ND (0.0012)
DIBROMOMETHANE	~	~						

Table 4 - Post-Excavation Sample Results

Former Portland Chemical Facility
680 Newfield Street (rear)
Middletown, CT

Bottom-23 5/24/2010 1:10:00 PM 10E0574	Bottom-25 5/24/2010 1:23:00 PM 10E0574	Bottom-26 5/24/2010 1:40:00 PM 10E0574	Bottom-27 5/24/2010 1:52:00 PM 10E0574
220	910	16	13
80.6	92.1	90.7	85.3
6.5	5.3	4.3	6.0
120	81	110	140
1.0	0.54	0.45	0.33
34	15	20	28
19	7.8	8.9	14
ND (6.0)	ND (5.4)	ND (5.3)	ND (5.6)
ND (0.60)	ND (0.54)	ND (0.53)	ND (0.56)
0.024	ND (0.025)	ND (0.015)	0.029
ND (0.025)	NT	ND (0.022)	NT
ND (0.0062)	NT	ND (0.0055)	NT
ND (0.0062)	NT	ND (0.0055)	NT
ND (0.0062)	NT	ND (0.0055)	NT
ND (0.0062)	NT	ND (0.0055)	NT
ND (0.0037)	NT	ND (0.0033)	NT
ND (0.025)	NT	ND (0.022)	NT
ND (0.0099)	NT	ND (0.0088)	NT
0.0051	NT	ND (0.0044)	NT
ND (0.0099)	NT	ND (0.0088)	NT
0.0065	NT	ND (0.0022)	NT
ND (0.0062)	NT	ND (0.0055)	NT
ND (0.0099)	NT	ND (0.0088)	NT
ND (0.0099)	NT	ND (0.0088)	NT
ND (0.0099)	NT	ND (0.0088)	NT
ND (0.0099)	NT	ND (0.0088)	NT
ND (0.0099)	NT	ND (0.0088)	NT
ND (0.0062)	NT	ND (0.0055)	NT
ND (0.0062)	NT	ND (0.0055)	NT
ND (0.0062)	NT	ND (0.0055)	NT
ND (0.062)	NT	ND (0.055)	NT
ND (0.12)	NT	ND (0.11)	NT
ND (0.11)	ND (0.11)	ND (0.092)	ND (0.11)
ND (0.0068)	ND (0.0063)	ND (0.0055)	ND (0.0068)
ND (0.0023)	ND (0.0021)	ND (0.0018)	ND (0.0023)
ND (0.0023)	ND (0.0021)	ND (0.0018)	ND (0.0023)
ND (0.0023)	ND (0.0021)	ND (0.0018)	ND (0.0023)
ND (0.0023)	ND (0.0021)	ND (0.0018)	ND (0.0023)
ND (0.011)	ND (0.011)	ND (0.0092)	ND (0.011)
ND (0.045)	ND (0.042)	ND (0.037)	ND (0.046)
ND (0.0023)	ND (0.0021)	ND (0.0018)	ND (0.0023)
ND (0.0023)	ND (0.0021)	ND (0.0018)	ND (0.0023)
ND (0.0023)	ND (0.0021)	ND (0.0018)	ND (0.0023)
ND (0.0068)	ND (0.0063)	ND (0.0055)	ND (0.0068)
ND (0.0023)	ND (0.0021)	ND (0.0018)	ND (0.0023)
ND (0.0023)	ND (0.0021)	ND (0.0018)	ND (0.0023)
ND (0.0011)	ND (0.0011)	ND (0.00092)	ND (0.0011)
ND (0.023)	ND (0.021)	ND (0.018)	ND (0.023)
ND (0.0045)	ND (0.0042)	ND (0.0037)	ND (0.0046)
ND (0.011)	ND (0.011)	ND (0.0092)	ND (0.011)

Table 4 - Post-Excavation Sample Results

Former Portland Chemical Facility
680 Newfield Street (rear)
Middletown, CT

Parameter	RSR Criteria Used for Comparison		RAC - 2 (Former Drum Filling Building)					
	I/C DEC	GB PMC	SW-11	SW-12	SW-13	SW-14	SW-15	SW-15 Dup
Sampling Date			5/24/2010 10:08:00 AM	5/24/2010 10:15:00 AM	5/24/2010 10:25:00 AM	5/24/2010 10:40:00 AM	5/24/2010 10:47:00 AM	5/24/2010 10:47:00 AM
Laboratory Report Number			10E0574	10E0574	10E0574	10E0574	10E0574	10E0574
CTDEP ETPH (mg/Kg dry)								
ETPH	2500	2500	ND (13)	ND (12)	ND (11)	27	ND (12)	32
SM 2540G (% Wt)								
% Solids	~	~	77.9	81.8	88.4	87.5	86.4	87.4
SW-846 6010B (mg/Kg dry) Metals Digestion								
Arsenic	10	~	7.3	4.7	6.7	5.4	4.2	3.7
Barium	140000	~	250	130	110	130	70	51
Cadmium	1000	~	ND (0.34)	0.35	ND (0.28)	0.36	ND (0.28)	ND (0.28)
Chromium	~	~	45	25	22	25	19	16
LEAD	1000	~	19	14	8.7	13	9.4	7.7
Selenium	10000	~	ND (6.7)	ND (5.8)	ND (5.7)	ND (5.9)	ND (5.7)	ND (5.6)
Silver	10000	~	ND (0.67)	ND (0.58)	ND (0.57)	ND (0.59)	ND (0.57)	ND (0.56)
SW-846 7471A (mg/Kg dry) Metals Digestion								
Mercury	610	~	ND (0.025)	ND (0.012)	ND (0.010)	0.022	ND (0.013)	ND (0.014)
SW-846 8081A (mg/Kg dry)								
ALACHOR	~	~	NT	ND (0.024)	ND (0.023)	NT	NT	NT
Aldrin	0.34	~	NT	ND (0.0061)	ND (0.0057)	NT	NT	NT
ALPHA-BHC	0.91	~	NT	ND (0.0061)	ND (0.0057)	NT	NT	NT
BETA-BHC	3.2	~	NT	ND (0.0061)	ND (0.0057)	NT	NT	NT
DELTA-BHC	0.91	~	NT	ND (0.0061)	ND (0.0057)	NT	NT	NT
GAMMA-BHC (LINDANE)	610	0.04	NT	ND (0.0036)	ND (0.0034)	NT	NT	NT
CHLORDANE	2.2	0.066	NT	ND (0.024)	ND (0.023)	NT	NT	NT
4,4'-DDD	24	~	NT	ND (0.0097)	ND (0.0090)	NT	NT	NT
4,4'-DDE	17	~	NT	ND (0.0048)	ND (0.0045)	NT	NT	NT
4,4'-DDT	17	~	NT	ND (0.0097)	ND (0.0090)	NT	NT	NT
Dieldrin	0.36	0.007	NT	ND (0.0024)	ND (0.0023)	NT	NT	NT
Endosulfan I	1200	8.4	NT	ND (0.0061)	ND (0.0057)	NT	NT	NT
Endosulfan II	1200	8.4	NT	ND (0.0097)	ND (0.0090)	NT	NT	NT
Endosulfan Sulfate	1200	8.4	NT	ND (0.0097)	ND (0.0090)	NT	NT	NT
Endrin	610	~	NT	ND (0.0097)	ND (0.0090)	NT	NT	NT
Endrin Aldehyde	610	~	NT	ND (0.0097)	ND (0.0090)	NT	NT	NT
ENDRIN KETONE	610	~	NT	ND (0.0097)	ND (0.0090)	NT	NT	NT
Heptachlor	1.3	0.013	NT	ND (0.0061)	ND (0.0057)	NT	NT	NT
Heptachlor Epoxide	0.69	0.02	NT	ND (0.0061)	ND (0.0057)	NT	NT	NT
HEXACHLOROBENZENE	3.6	1	NT	ND (0.0061)	ND (0.0057)	NT	NT	NT
Methoxychlor	10000	8	NT	ND (0.061)	ND (0.057)	NT	NT	NT
Toxaphene	5.2	0.6	NT	ND (0.12)	ND (0.11)	NT	NT	NT
SW-846 8260B (mg/Kg dry)								
ACETONE	1000	140	ND (0.12)	ND (0.12)	ND (0.090)	ND (0.10)	ND (0.090)	ND (0.12)
ACRYLONITRILE	11	0.1	ND (0.0074)	ND (0.0071)	ND (0.0054)	ND (0.0062)	ND (0.0054)	ND (0.0071)
BENZENE	200	0.2	ND (0.0025)	ND (0.0024)	ND (0.0018)	ND (0.0021)	ND (0.0018)	ND (0.0024)
BROMOBENZENE	~	~	ND (0.0025)	ND (0.0024)	ND (0.0018)	ND (0.0021)	ND (0.0018)	ND (0.0024)
BROMODICHLOROMETHANE	92	0.11	ND (0.0025)	ND (0.0024)	ND (0.0018)	ND (0.0021)	ND (0.0018)	ND (0.0024)
BROMOFORM	720	0.8	ND (0.0025)	ND (0.0024)	ND (0.0018)	ND (0.0021)	ND (0.0018)	ND (0.0024)
BROMOMETHANE	1000	2	ND (0.012)	ND (0.012)	ND (0.0090)	ND (0.010)	ND (0.0090)	ND (0.012)
2-BUTANONE (MEK)	1000	80	ND (0.049)	ND (0.047)	ND (0.036)	ND (0.041)	ND (0.036)	ND (0.047)
N-BUTYLBENZENE	1000	14	ND (0.0025)	ND (0.0024)	ND (0.0018)	ND (0.0021)	ND (0.0018)	ND (0.0024)
SEC-BUTYLBENZENE	1000	14	ND (0.0025)	ND (0.0024)	ND (0.0018)	ND (0.0021)	ND (0.0018)	ND (0.0024)
TERT-BUTYLBENZENE	1000	14	ND (0.0025)	ND (0.0024)	ND (0.0018)	ND (0.0021)	ND (0.0018)	ND (0.0024)
CARBON DISULFIDE	1000	140	ND (0.0074)	ND (0.0071)	ND (0.0054)	ND (0.0062)	ND (0.0054)	ND (0.0071)
CARBON TETRACHLORIDE	44	1	ND (0.0025)	ND (0.0024)	ND (0.0018)	ND (0.0021)	ND (0.0018)	ND (0.0024)
CHLOROBENZENE	1000	20	ND (0.0025)	ND (0.0024)	ND (0.0018)	ND (0.0021)	ND (0.0018)	ND (0.0024)
CHLORODIBROMOMETHANE	68	0.1	ND (0.0012)	ND (0.0012)	ND (0.00090)	ND (0.0010)	ND (0.00090)	ND (0.0012)
CHLOROETHANE	~	~	ND (0.025)	ND (0.024)	ND (0.018)	ND (0.021)	ND (0.018)	ND (0.024)
CHLOROFORM	940	1.2	ND (0.0049)	ND (0.0047)	ND (0.0036)	ND (0.0041)	ND (0.0036)	ND (0.0047)
CHLOROMETHANE	440	0.54	ND (0.012)	ND (0.012)	ND (0.0090)	ND (0.010)	ND (0.0090)	ND (0.012)
2-CHLOROTOLUENE	~	~	ND (0.0025)	ND (0.0024)	ND (0.0018)	ND (0.0021)	ND (0.0018)	ND (0.0024)
4-CHLOROTOLUENE	~	~	ND (0.0025)	ND (0.0024)	ND (0.0018)	ND (0.0021)	ND (0.0018)	ND (0.0024)
1,2-DIBROMO-3-CHLOROPROPANE	4.1	~	ND (0.0025)	ND (0.0024)	ND (0.0018)	ND (0.0021)	ND (0.0018)	ND (0.0024)
EDB	~	~	ND (0.0012)	ND (0.0012)	ND (0.00090)	ND (0.0010)	ND (0.00090)	ND (0.0012)
DIBROMOMETHANE	~	~						

Table 4 - Post-Excavation Sample Results

Former Portland Chemical Facility
680 Newfield Street (rear)
Middletown, CT

Parameter	RSR Criteria Used for Comparison		RAC - 3 (Former Chemical Manhole)				
	I/C DEC	GB PMC					
Sampling Date			SW-21	SW-22	Bottom-29	Bottom-30	Bottom-31
Laboratory Report Number			5/24/2010 11:55:00 AM 10E0574	5/24/2010 12:07:00 PM 10E0574	5/24/2010 2:15:00 PM 10E0574	5/24/2010 2:30:00 PM 10E0574	5/24/2010 2:43:00 PM 10E0574
CTDEP ETPH (mg/Kg dry)							
ETPH	2500	2500	ND (11)	130	28	180	22
SM 2540G (% Wt)							
% Solids	~	~	86.5	92.7	68.1	78.6	78.4
SW-846 6010B (mg/Kg dry) Metals Digestion							
Arsenic	10	~	NT	1	11	NT	5.4
Barium	140000	~	NT	120	190	NT	200
Cadmium	1000	~	NT	ND (0.27)	0.39	NT	0.30
Chromium	~	~	NT	1300	82	NT	38
LEAD	1000	~	NT	7.6	13	NT	14
Selenium	10000	~	NT	ND (5.4)	ND (6.8)	NT	ND (6.0)
Silver	10000	~	NT	ND (0.54)	ND (0.68)	NT	ND (0.60)
SW-846 7471A (mg/Kg dry) Metals Digestion							
Mercury	610	~	NT	ND (0.017)	ND (0.017)	NT	0.016
SW-846 8081A (mg/Kg dry)							
ALACHOR	~	~	NT	NT	ND (0.029)	NT	NT
Aldrin	0.34	~	NT	NT	ND (0.0073)	NT	NT
ALPHA-BHC	0.91	~	NT	NT	ND (0.0073)	NT	NT
BETA-BHC	3.2	~	NT	NT	ND (0.0073)	NT	NT
DELTA-BHC	0.91	~	NT	NT	ND (0.0073)	NT	NT
GAMMA-BHC (LINDANE)	610	0.04	NT	NT	ND (0.0044)	NT	NT
CHLORDANE	2.2	0.056	NT	NT	ND (0.029)	NT	NT
4,4'-DDD	24	~	NT	NT	ND (0.012)	NT	NT
4,4'-DDE	17	~	NT	NT	ND (0.0058)	NT	NT
4,4'-DDT	17	~	NT	NT	ND (0.012)	NT	NT
Dieldrin	0.36	0.007	NT	NT	ND (0.0029)	NT	NT
Endosulfan I	1200	8.4	NT	NT	ND (0.0073)	NT	NT
Endosulfan II	1200	8.4	NT	NT	ND (0.012)	NT	NT
Endosulfan Sulfate	1200	8.4	NT	NT	ND (0.012)	NT	NT
Endrin	610	~	NT	NT	ND (0.012)	NT	NT
Endrin Aldehyde	610	~	NT	NT	ND (0.012)	NT	NT
ENDRIN KETONE	610	~	NT	NT	ND (0.012)	NT	NT
Heptachlor	1.3	0.013	NT	NT	ND (0.0073)	NT	NT
Heptachlor Epoxide	0.63	0.02	NT	NT	ND (0.0073)	NT	NT
HEXACHLOROBENZENE	3.6	1	NT	NT	ND (0.0073)	NT	NT
Methoxychlor	10000	8	NT	NT	ND (0.073)	NT	NT
Toxaphene	5.2	0.6	NT	NT	ND (0.15)	NT	NT
SW-846 8260B (mg/Kg dry)							
ACETONE	1000	140	ND (0.12)	ND (0.10)	ND (0.14)	ND (0.12)	ND (0.11)
ACRYLONITRILE	11	0.1	ND (0.0069)	ND (0.0062)	ND (0.0084)	ND (0.0073)	ND (0.0065)
BENZENE	200	0.2	ND (0.0023)	ND (0.0021)	ND (0.0028)	ND (0.0024)	ND (0.0022)
BROMOBENZENE	~	~	ND (0.0023)	ND (0.0021)	ND (0.0028)	ND (0.0024)	ND (0.0022)
BROMODICHLOROMETHANE	92	0.11	ND (0.0023)	ND (0.0021)	ND (0.0028)	ND (0.0024)	ND (0.0022)
BROMOFORM	720	0.8	ND (0.0023)	ND (0.0021)	ND (0.0028)	ND (0.0024)	ND (0.0022)
BROMOMETHANE	1000	2	ND (0.012)	ND (0.010)	ND (0.014)	ND (0.012)	ND (0.011)
2-BUTANONE (MEK)	1000	80	ND (0.046)	ND (0.041)	ND (0.056)	ND (0.049)	ND (0.044)
N-BUTYLBENZENE	1000	14	ND (0.0023)	ND (0.0021)	ND (0.0028)	ND (0.0024)	ND (0.0022)
SEC-BUTYLBENZENE	1000	14	ND (0.0023)	ND (0.0021)	ND (0.0028)	ND (0.0024)	ND (0.0022)
TERT-BUTYLBENZENE	1000	14	ND (0.0023)	ND (0.0021)	ND (0.0028)	ND (0.0024)	ND (0.0022)
CARBON DISULFIDE	1000	140	ND (0.0069)	ND (0.0062)	ND (0.0084)	ND (0.0073)	ND (0.0065)
CARBON TETRACHLORIDE	44	1	ND (0.0023)	ND (0.0021)	ND (0.0028)	ND (0.0024)	ND (0.0022)
CHLOROBENZENE	1000	20	ND (0.0023)	ND (0.0021)	ND (0.0028)	ND (0.0024)	ND (0.0022)
CHLORODIBROMOMETHANE	68	0.1	ND (0.0012)	ND (0.0010)	ND (0.0014)	ND (0.0012)	ND (0.0011)
CHLOROETHANE	~	~	ND (0.023)	ND (0.021)	ND (0.028)	ND (0.024)	ND (0.022)
CHLOROFORM	940	1.2	ND (0.0046)	ND (0.0041)	ND (0.0056)	ND (0.0049)	ND (0.0044)
CHLOROMETHANE	440	0.54	ND (0.012)	ND (0.010)	ND (0.014)	ND (0.012)	ND (0.011)
2-CHLOROTOLUENE	~	~	ND (0.0023)	ND (0.0021)	ND (0.0028)	ND (0.0024)	ND (0.0022)
4-CHLOROTOLUENE	~	~	ND (0.0023)	ND (0.0021)	ND (0.0028)	ND (0.0024)	ND (0.0022)
1,2-DIBROMO-3-CHLOROPROPANE	4.1	~	ND (0.0023)	ND (0.0021)	ND (0.0028)	ND (0.0024)	ND (0.0022)
EDB	~	~	ND (0.0012)	ND (0.0010)	ND (0.0014)	ND (0.0012)	ND (0.0011)
DIBROMOMETHANE	~	~	ND (0.0023)	ND (0.0021)	ND (0.0028)	ND (0.0024)	ND (0.0022)
1,2-DICHLOROBENZENE	~	~					

Table 4 - Post-Excavation Sample Results

Former Portland Chemical Facility
680 Newfield Street (rear)
Middletown, CT

Parameter	RSR Criteria Used for Comparison		RAC - 4 (Leaching Field)				
	I/C DEC	GB PMC	SW-17	SW-18	SW-19	Bottom-34	Bottom-35
Sampling Date			5/24/2010 11:05:00 AM	5/24/2010 11:15:00 AM	5/24/2010 11:30:00 AM	5/24/2010 3:15:00 PM	5/24/2010 3:32:00 PM
Laboratory Report Number			10E0574	10E0574	10E0574	10E0574	10E0574
CTDEP ETPH (mg/Kg dry)							
ETPH	2500	2500	ND (12)	ND (12)	20	260	54
SM 2540G (% Wt)							
% Solids	~	~	83.8	85.8	79.6	79.0	86.7
SW-846 6010B (mg/Kg dry) Metals Digestion							
Arsenic	10	~	NT	[redacted]	NT	NT	5.6
Barium	140000	~	NT	170	NT	NT	140
Cadmium	1000	~	NT	0.32	NT	NT	0.30
Chromium	~	~	NT	27	NT	NT	23
LEAD	1000	~	NT	21	NT	NT	9.9
Selenium	10000	~	NT	ND (5.8)	NT	NT	ND (5.7)
Silver	10000	~	NT	ND (0.58)	NT	NT	ND (0.57)
SW-846 7471A (mg/Kg dry) Metals Digestion							
Mercury	610	~	NT	ND (0.024)	NT	NT	ND (0.024)
SW-846 8081A (mg/Kg dry)							
ALACHOR	~	~	NT	NT	ND (0.025)	NT	NT
Aldrin	0.34	~	NT	NT	ND (0.0062)	NT	NT
ALPHA-BHC	0.91	~	NT	NT	ND (0.0062)	NT	NT
BETA-BHC	3.2	~	NT	NT	ND (0.0062)	NT	NT
DELTA-BHC	0.91	~	NT	NT	ND (0.0062)	NT	NT
GAMMA-BHC (LINDANE)	610	0.04	NT	NT	ND (0.0037)	NT	NT
CHLORDANE	2.2	0.066	NT	NT	ND (0.025)	NT	NT
4,4'-DDD	24	~	NT	NT	ND (0.010)	NT	NT
4,4'-DDE	17	~	NT	NT	ND (0.0050)	NT	NT
4,4'-DDT	17	~	NT	NT	ND (0.010)	NT	NT
Dieldrin	0.36	0.007	NT	NT	ND (0.0025)	NT	NT
Endosulfan I	1200	8.4	NT	NT	ND (0.0062)	NT	NT
Endosulfan II	1200	8.4	NT	NT	ND (0.010)	NT	NT
Endosulfan Sulfate	1200	8.4	NT	NT	ND (0.010)	NT	NT
Endrin	610	~	NT	NT	ND (0.010)	NT	NT
Endrin Aldehyde	610	~	NT	NT	0.036	NT	NT
ENDRIN KETONE	610	~	NT	NT	ND (0.010)	NT	NT
Heptachlor	1.3	0.013	NT	NT	ND (0.0062)	NT	NT
Heptachlor Epoxide	0.63	0.02	NT	NT	ND (0.0062)	NT	NT
HEXACHLOROBENZENE	3.6	1	NT	NT	ND (0.0062)	NT	NT
Methoxychlor	10000	8	NT	NT	ND (0.062)	NT	NT
Toxaphene	5.2	0.6	NT	NT	ND (0.12)	NT	NT
SW-846 8260B (mg/Kg dry)							
ACETONE	1000	140	ND (0.11)	ND (0.082)	ND (0.12)	ND (0.11)	ND (0.11)
ACRYLONITRILE	11	0.1	ND (0.0068)	ND (0.0049)	ND (0.0073)	ND (0.0068)	ND (0.0067)
BENZENE	200	0.2	ND (0.0023)	ND (0.0016)	ND (0.0024)	ND (0.0023)	ND (0.0022)
BROMOBENZENE	~	~	ND (0.0023)	ND (0.0016)	ND (0.0024)	ND (0.0023)	ND (0.0022)
BROMODICHLOROMETHANE	92	0.11	ND (0.0023)	ND (0.0016)	ND (0.0024)	ND (0.0023)	ND (0.0022)
BROMOFORM	720	0.8	ND (0.0023)	ND (0.0016)	ND (0.0024)	ND (0.0023)	ND (0.0022)
BROMOMETHANE	1000	2	ND (0.011)	ND (0.0082)	ND (0.012)	ND (0.011)	ND (0.011)
2-BUTANONE (MEK)	1000	80	ND (0.045)	ND (0.033)	ND (0.049)	ND (0.045)	ND (0.045)
N-BUTYLBENZENE	1000	14	ND (0.0023)	ND (0.0016)	ND (0.0024)	ND (0.0023)	ND (0.0022)
SEC-BUTYLBENZENE	1000	14	ND (0.0023)	ND (0.0016)	ND (0.0024)	ND (0.0023)	ND (0.0022)
TERT-BUTYLBENZENE	1000	14	ND (0.0023)	ND (0.0016)	ND (0.0024)	ND (0.0023)	ND (0.0022)
CARBON DISULFIDE	1000	140	ND (0.0068)	ND (0.0049)	ND (0.0073)	ND (0.0068)	ND (0.0067)
CARBON TETRACHLORIDE	44	1	ND (0.0023)	ND (0.0016)	ND (0.0024)	ND (0.0023)	ND (0.0022)
CHLOROBENZENE	1000	20	ND (0.0023)	ND (0.0016)	ND (0.0024)	ND (0.0023)	ND (0.0022)
CHLORODIBROMOMETHANE	68	0.1	ND (0.0011)	ND (0.00082)	ND (0.0012)	ND (0.0011)	ND (0.0011)
CHLOROETHANE	~	~	ND (0.023)	ND (0.016)	ND (0.024)	ND (0.023)	ND (0.022)
CHLOROFORM	940	1.2	ND (0.0045)	ND (0.0033)	ND (0.0049)	ND (0.0045)	ND (0.0045)
CHLOROMETHANE	440	0.54	ND (0.011)	ND (0.0082)	ND (0.012)	ND (0.011)	ND (0.011)
2-CHLOROTOLUENE	~	~	ND (0.0023)	ND (0.0016)	ND (0.0024)	ND (0.0023)	ND (0.0022)
4-CHLOROTOLUENE	~	~	ND (0.0023)	ND (0.0016)	ND (0.0024)	ND (0.0023)	ND (0.0022)
1,2-DIBROMO-3-CHLOROPROPANE	4.1	~	ND (0.0023)	ND (0.0016)	ND (0.0024)	ND (0.0023)	ND (0.0022)
EDB	~	~	ND (0.0011)	ND (0.00082)	ND (0.0012)	ND (0.0011)	ND (0.0011)
DIBROMOMETHANE	~	~					

Table 4 - Post-Excavation Sample Results

Former Portland Chemical Facility
680 Newfield Street (rear)
Middletown, CT

Parameter	RSR Criteria Used for Comparison		RAC - SB (Former Loading Rack)					
	I/C DEC	GB PMC						
Sampling Date			SW-16	SW-20	Bottom-28	Bottom-32	Bottom-33	Bottom-33 Dup
Laboratory Report Number			5/24/2010 10:58:00 AM 10E0574	5/24/2010 11:40:00 AM 10E0574	5/24/2010 2:07:00 PM 10E0574	5/24/2010 2:48:00 PM 10E0574	5/24/2010 3:05:00 PM 10E0574	5/24/2010 3:05:00 PM 10E0574
CTDEP ETPH (mg/Kg dry)								
ETPH	2500	2500	350	ND (110)	ND (12)	ND (13)	ND (130)	21
SM 2540G (% Wt)								
% Solids	~	~	85.1	88.1	85.5	74.7	77.5	79.0
SW-846 6010B (mg/Kg dry) Metals Digestion								
Arsenic	10	~	NT	3.9	NT	NT	4.5	4.7
Barium	140000	~	NT	74	NT	NT	110	150
Cadmium	1000	~	NT	5.4	NT	NT	1.7	1.9
Chromium	~	~	NT	20	NT	NT	27	29
LEAD	1000	~	NT	14	NT	NT	14	11
Selenium	10000	~	NT	ND (5.6)	NT	NT	ND (6.0)	ND (6.2)
Silver	10000	~	NT	6.3	NT	NT	ND (0.60)	ND (0.62)
SW-846 7471A (mg/Kg dry) Metals Digestion								
Mercury	610	~	NT	0.024	NT	NT	ND (0.014)	ND (0.024)
SW-846 8081A (mg/Kg dry)								
ALACHOR	~	~	ND (0.12)	NT	NT	ND (0.027)	NT	NT
Aldrin	0.34	~	ND (0.029)	NT	NT	ND (0.0067)	NT	NT
ALPHA-BHC	0.91	~	ND (0.029)	NT	NT	ND (0.0067)	NT	NT
BETA-BHC	3.2	~	ND (0.029)	NT	NT	ND (0.0067)	NT	NT
DELTA-BHC	0.91	~	ND (0.029)	NT	NT	ND (0.0067)	NT	NT
GAMMA-BHC (LINDANE)	610	0.04	ND (0.018)	NT	NT	ND (0.0040)	NT	NT
CHLORDANE	2.2	0.066	ND (0.12) *	NT	NT	ND (0.027)	NT	NT
4,4'-DDD	24	~	ND (0.047)	NT	NT	ND (0.011)	NT	NT
4,4'-DDE	17	~	ND (0.024)	NT	NT	ND (0.0054)	NT	NT
4,4'-DDT	17	~	ND (0.047)	NT	NT	ND (0.011)	NT	NT
Dieldrin	0.36	0.007	ND (0.012) *	NT	NT	ND (0.0027)	NT	NT
Endosulfan I	1200	8.4	ND (0.029)	NT	NT	ND (0.0067)	NT	NT
Endosulfan II	1200	8.4	ND (0.047)	NT	NT	ND (0.011)	NT	NT
Endosulfan Sulfate	1200	8.4	ND (0.047)	NT	NT	ND (0.011)	NT	NT
Endrin	610	~	ND (0.047)	NT	NT	ND (0.011)	NT	NT
Endrin Aldehyde	610	~	ND (0.047)	NT	NT	ND (0.011)	NT	NT
ENDRIN KETONE	610	~	ND (0.047)	NT	NT	ND (0.011)	NT	NT
Heptachlor	1.3	0.013	ND (0.029) *	NT	NT	ND (0.011)	NT	NT
Heptachlor Epoxide	0.63	0.02	ND (0.029) *	NT	NT	ND (0.0067)	NT	NT
HEXACHLOROBENZENE	3.6	1	ND (0.029)	NT	NT	ND (0.0067)	NT	NT
Methoxychlor	10000	8	ND (0.29)	NT	NT	ND (0.0067)	NT	NT
Toxaphene	5.2	0.6	ND (0.59)	NT	NT	ND (0.067)	NT	NT
SW-846 8260B (mg/Kg dry)								
ACETONE	1000	140	ND (0.10)	ND (0.12)	ND (0.096)	ND (0.11)	ND (0.12)	ND (0.11)
ACRYLONITRILE	11	0.1	ND (0.0062)	ND (0.0069)	ND (0.0058)	ND (0.0063)	ND (0.0072)	ND (0.0067)
BENZENE	200	0.2	ND (0.0021)	ND (0.0023)	ND (0.0019)	ND (0.0021)	ND (0.0024)	ND (0.0022)
BROMOBENZENE	~	~	ND (0.0021)	ND (0.0023)	ND (0.0019)	ND (0.0021)	ND (0.0024)	ND (0.0022)
BROMODICHLOROMETHANE	92	0.11	ND (0.0021)	ND (0.0023)	ND (0.0019)	ND (0.0021)	ND (0.0024)	ND (0.0022)
BROMOFORM	720	0.8	ND (0.0021)	ND (0.0023)	ND (0.0019)	ND (0.0021)	ND (0.0024)	ND (0.0022)
BROMOMETHANE	1000	2	ND (0.010)	ND (0.012)	ND (0.0096)	ND (0.011)	ND (0.012)	ND (0.011)
2-BUTANONE (MEK)	1000	80	ND (0.041)	ND (0.046)	ND (0.038)	ND (0.042)	ND (0.048)	ND (0.044)
N-BUTYLBENZENE	1000	14	ND (0.0021)	ND (0.0023)	ND (0.0019)	ND (0.0021)	ND (0.0024)	ND (0.0022)
SEC-BUTYLBENZENE	1000	14	ND (0.0021)	ND (0.0023)	ND (0.0019)	ND (0.0021)	ND (0.0024)	ND (0.0022)
TERT-BUTYLBENZENE	1000	14	ND (0.0021)	ND (0.0023)	ND (0.0019)	ND (0.0021)	ND (0.0024)	ND (0.0022)
CARBON DISULFIDE	1000	140	ND (0.0062)	ND (0.0069)	ND (0.0058)	ND (0.0063)	ND (0.0072)	ND (0.0067)
CARBON TETRACHLORIDE	44	1	ND (0.0021)	ND (0.0023)	ND (0.0019)	ND (0.0021)	ND (0.0024)	ND (0.0022)
CHLOROBENZENE	1000	20	ND (0.0021)	ND (0.0023)	ND (0.0019)	ND (0.0021)	ND (0.0024)	ND (0.0022)
CHLORODIBROMOMETHANE	68	0.1	ND (0.0010)	ND (0.0012)	ND (0.00096)	ND (0.0011)	ND (0.0012)	ND (0.0011)
CHLOROETHANE	~	~	ND (0.021)	ND (0.023)	ND (0.019)	ND (0.021)	ND (0.024)	ND (0.022)
CHLOROFORM	940	1.2	ND (0.0041)	ND (0.0046)	ND (0.0038)	ND (0.0042)	ND (0.0048)	ND (0.0044)
CHLOROMETHANE	440	0.54	ND (0.010)	ND (0.012)	ND (0.0096)	ND (0.011)	ND (0.012)	ND (0.011)
2-CHLOROTOLUENE	~	~	ND (0.0021)	ND (0.0023)	ND (0.0019)	ND (0.0021)	ND (0.0024)	ND (0.0022)
4-CHLOROTOLUENE	~	~	ND (0.0021)	ND (0.0023)	ND (0.0019)	ND (0.0021)	ND (0.0024)	ND (0.0022)
1,2-DIBROMO-3-CHLOROPROPANE	4.1	~	ND (0.0021)	ND (0.0023)	ND (0.0019)	ND (0.0021)	ND (0.0024)	ND (0.0022)
EDB	~	~	ND (0.0010)	ND (0.0012)	ND (0.00096)	ND (0.0011)	ND (0.0012)	ND (0.0011)
DIBROMOMETHANE	~	~	ND (0.0021)	ND (0.0023)	ND (0.0019)	ND (0.0021)	ND (0.0024)	ND (0.0022)
1,2-DICHLOROBENZENE	1000	~						

Table 5
Former Portland Chemical
680 (Rear) Newfield Street
Middletown, Connecticut

Backfill Sample Results

Parameter	RSR DEC			SAMPLING LOCATION				
	I/C DEC	RES DEC	GB PMC	Water Sewer 1	Water Sewer 2	Water Sewer 3	Water Sewer 4	Water Sewer 5
Sampling Date				6/21/2010	6/21/2010	6/21/2010	6/21/2010	6/21/2010
CTDEP ETPH (mg/Kg dry)								
ETPH	2500	500	2500	ND < 55	ND < 54	140	ND < 53	ND < 55
SW-846 6010B (mg/Kg dry) Metals Digestion								
Arsenic	10	10	~	3.1	2.8	2.6	ND < 1.5	2.5
Barium	140000	4700	~	75	64	67	28	52
Cadmium	1000	34	~	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Chromium	~	~	~	19	16	18	6.7	15
LEAD	1000	400	~	26	17	17	5.8	14
Selenium	10000	340	~	ND < 1.5	ND < 1.5	ND < 1.5	ND < 1.5	ND < 1.5
Silver	10000	340	~	ND < 2.5	ND < 2.5	ND < 2.5	ND < 2.5	ND < 2.5
SW-846 7471A (mg/Kg dry) Metals Digestion								
Mercury	610	20	~	ND < 0.3	ND < 0.3	ND < 0.3	ND < 0.3	ND < 0.3
Pesticides 'SW-846 8081A (mg/Kg dry)	Various	Various	Various	ND	ND	ND	ND	ND
VOCs 'SW-846 8260B (mg/Kg dry)	Various	Various	Various	ND	ND	ND	ND	ND
SW-846 8270C (mg/Kg dry)								
BENZO(A)ANTHRACENE	7.8	1	1	ND < 0.327	0.35	0.85	0.49	0.56
BENZO(A)PYRENE	1	1	1	ND < 0.327	0.55	3.4	0.51	0.69
BENZO(B)FLUORANTHENE	7.8	1	1	ND < 0.327	0.57	3.5	0.49	0.8
BENZO(G,H,I)PERYLENE	2500	1000	42	ND < 0.327	0.55	0.94	0.92	ND < .327
BENZO(K)FLUORANTHENE	78	8.4	1	ND < 0.327	ND < 0.323	0.71	ND < 0.316	0.37
CHRYSENE	780	84	1	ND < 0.327	0.41	0.99	0.5	0.41
FLUORANTHENE	2500	1000	56	ND < 0.327	0.44	1.1	0.67	0.64
INDENO(1,2,3-CD)PYRENE	7.8	1	1	ND < 0.327	0.38	0.61	0.45	ND < .327
PHENANTHRENE	2500	1000	40	ND < 0.327	ND < 0.323	0.58	ND < 0.316	ND < .327
PYRENE	2500	1000	4	ND < 0.327	0.48	1.2	0.81	0.62

On-Site Sample Collection

Parameter	RSR DEC			SAMPLING LOCATION					RSR Water Criteria	
	I/C DEC	RES DEC	GB PMC	Rubble Pile	Ramp - Soil	Ramp - Concrete	Building - Concrete	Surface Water	GWPC	SWPC
Sampling Date				6/7/2010	6/7/2010	6/7/2010	6/7/2010	6/7/2010		
CTDEP ETPH (mg/Kg dry)									ug/L	
ETPH	2500	500	2500	410	ND (51)	ND (52)	160	320	100	NE
SW-846 6010B (mg/Kg dry) Metals Digestion										
Arsenic	10	10	~	1.9	ND (1.5)	2.2	3	ND (4)	50	4
Barium	140000	4700	~	74	58	170	47	62	1000	NE
Cadmium	1000	34	~	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (5)	5	6
Chromium	~	~	~	17	22	17	10	ND (50)	50	NE
LEAD	1000	400	~	15	10	7	3.9	ND (13)	15	13
Selenium	10000	340	~	ND (1.5)	ND (1.5)	ND (1.5)	ND (1.5)	ND (10)	50	50
Silver	10000	340	~	ND (2.5)	ND (2.5)	ND (2.5)	ND (2.5)	ND (12)	36	12
SW-846 7471A (mg/Kg dry) Metals Digestion										
Mercury	610	20	~	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)	ND (2)	2	0.4
Pesticides 'SW-846 8081A (mg/Kg dry)	Various	Various	Various	NT	NT	NT	NT	ND	Various	Various
VOCs 'SW-846 8260B (mg/Kg dry)										
CIS-1,2-DICHLOROETHYLENE	1000	500	34	ND (5)	ND (4)	ND (90)	ND (89)	18	70	NE
TETRACHLOROETHYLENE	110	12	1	ND (5)	ND (4)	0.46	ND (89)	6.3	5	88
TRICHLOROETHYLENE	520	56	1	ND (5)	ND (4)	ND (90)	ND (89)	5.3	5	2340
PAHs 'SW-846 8270C (mg/Kg dry)										
ACENAPHTHYLENE	2500	1000	84	0.33	ND (0.304)	ND (0.307)	ND (0.307)	ND (.30)	420	0.3
BENZO(A)ANTHRACENE	7.8	1	1	1	ND (0.304)	ND (0.307)	ND (0.307)	ND (0.06)	0.06	0.3
BENZO(A)PYRENE	1	1	1	1.2	ND (0.304)	ND (0.307)	ND (0.307)	ND (0.20)	0.2	0.3
BENZO(B)FLUORANTHENE	7.8	1	1	1.6	ND (0.304)	ND (0.307)	ND (0.307)	ND (0.08)	0.08	0.3
BENZO(G,H,I)PERYLENE	2500	1000	42	0.45	ND (0.304)	ND (0.307)	ND (0.307)	NO (1.0)	210	0.49
BENZO(K)FLUORANTHENE	78	8.4	1	0.56	ND (0.304)	ND (0.307)	ND (0.307)	ND (0.30)	0.5	0.3
CHRYSENE	780	84	1	1.3	ND (0.304)	ND (0.307)	ND (0.307)	ND (1.0)	4.8	4.92
FLUORANTHENE	2500	1000	56	1.7	ND (0.304)	ND (0.307)	ND (0.307)	ND (1.0)	280	3700
INDENO(1,2,3-CD)PYRENE	7.8	1	1	0.43	ND (0.304)	ND (0.307)	ND (0.307)	ND (0.20)	0.2	0.49
PHENANTHRENE	2500	1000	40	0.6	ND (0.304)	ND (0.307)	ND (0.307)	ND (0.077)	200	0.3
PYRENE	2500	1000	4	1.5	ND (0.304)	ND (0.307)	ND (0.307)	ND (1.0)	200	110000

NOTES:

1. An asterisk (*) following a detection limit indicates that the minumum laboratory reporting limit exceeds one or more of the regulatory criteria.
2. NT = Not tested.
3. ~ = No Standard available
4. For soil samples shaded values exceed the RSR Direct Exposure Criteria (DEC) for the parameter.
5. For soil samples bolded values exceed the RSR PMC for the parameter.
6. For water samples shaded values exceed the RSR Groundwater (GWP), Surface (SWP), or Volatilization (RES Vol. or I/C Vol.) criteria for the parameter.
7. For water samples bolded values exceed the Connecticut Water Quality Standards (Appendix D).
8. RSR criteria are in the same units as the analyte.
9. Con-Test Laboratory is not responsible for the regulatory content, data comparisons with regulations, or decisions made based on data comparisons shown in this deliverable. Please notify us should you be aware of any regulatory information that may not be correct or that has changed.

Table 6

Former Portland Chemical
680 (Rear) Newfield Street
Middletown, Connecticut

Post-Excavation Confirmatory Sample Laboratory Data Validation

Sample ID	Sample Date	Laboratory ID Number	Correct Containers, Preservation, & Temperature	Requested Analysis = Completed Analysis	Analyzed within Hold Time?	All CTDEP RCP QA/QC Objectives met?
SW-1	5/7/2010	10E0185-01	Yes	Yes	Yes	No (Note 1)
SW-2	5/7/2010	10E0185-02	Yes	Yes	Yes	No (Note 1)
SW-3	5/7/2010	10E0185-03	Yes	Yes	Yes	No (Note 1)
SW-4	5/7/2010	10E0185-04	Yes	Yes	Yes	No (Note 1)
SW-5	5/7/2010	10E0185-05	Yes	Yes	Yes	No (Note 1)
SW-6	5/7/2010	10E0185-06	Yes	Yes	Yes	No (Note 1)
Bottom-7	5/7/2010	10E0185-07	Yes	Yes	Yes	No (Note 1)
Bottom-8	5/7/2010	10E0185-08	Yes	Yes	Yes	No (Note 1)
Bottom-9	5/7/2010	10E0185-09	Yes	Yes	Yes	No (Note 1)
Bottom-10	5/7/2010	10E0185-10	Yes	Yes	Yes	No (Note 1)
SW-11	5/24/2010	10E0574-01	Yes	Yes	Yes	No (Note 1)
SW-12	5/24/2010	10E0574-02	Yes	Yes	Yes	No (Note 1)
SW-13	5/24/2010	10E0574-03	Yes	Yes	Yes	No (Note 1)
SW-14	5/24/2010	10E0574-04	Yes	Yes	Yes	No (Note 1)
SW-15	5/24/2010	10E0574-05	Yes	Yes	Yes	No (Note 1)
SW-15 DUP	5/24/2010	10E0574-26	Yes	Yes	Yes	No (Note 1)
SW-16	5/24/2010	10E0574-06	Yes	Yes	Yes	No (Note 1)
SW-17	5/24/2010	10E0574-07	Yes	Yes	Yes	No (Note 1)
SW-18	5/24/2010	10E0574-08	Yes	Yes	Yes	No (Note 1)
SW-19	5/24/2010	10E0574-09	Yes	Yes	Yes	No (Note 1)
SW-20	5/24/2010	10E0574-10	Yes	Yes	Yes	No (Note 1)
SW-21	5/24/2010	10E0574-11	Yes	Yes	Yes	No (Note 1)
SW-22	5/24/2010	10E0574-12	Yes	Yes	Yes	No (Note 1)
Bottom-23	5/24/2010	10E0574-13	Yes	Yes	Yes	No (Note 1)
Bottom-24	5/24/2010	10E0574-14	Yes	Yes	Yes	No (Note 1)
Bottom-25	5/24/2010	10E0574-15	Yes	Yes	Yes	No (Note 1)
Bottom-26	5/24/2010	10E0574-16	Yes	Yes	Yes	No (Note 1)
Bottom-27	5/24/2010	10E0574-17	Yes	Yes	Yes	No (Note 1)
Bottom-28	5/24/2010	10E0574-18	Yes	Yes	Yes	No (Note 1)
Bottom-29	5/24/2010	10E0574-19	Yes	Yes	Yes	No (Note 1)
Bottom-30	5/24/2010	10E0574-20	Yes	Yes	Yes	No (Note 1)
Bottom-31	5/24/2010	10E0574-21	Yes	Yes	Yes	No (Note 1)
Bottom-32	5/24/2010	10E0574-22	Yes	Yes	Yes	No (Note 1)
Bottom-33	5/24/2010	10E0574-23	Yes	Yes	Yes	No (Note 1)
Bottom-33 DUP	5/24/2010	10E0574-27	Yes	Yes	Yes	No (Note 1)
Bottom-34	5/24/2010	10E0574-24	Yes	Yes	Yes	No (Note 1)
Bottom-35	5/24/2010	10E0574-25	Yes	Yes	Yes	No (Note 1)

Notes:

Note 1 = Refer to analytical report case narratives for specific laboratory QA/QC concerns.
NA = Not Applicable

Appendix A
Limitations

- This report has been prepared for the sole and exclusive use of the City of Middletown (Client) and is subject to and issued in connection with the Agreement and the provisions thereof. Any use or reliance upon information provided in this report, without the specific written authorization of Client and VHB, shall be at User's sole risk.

- In conducting the scope of services, VHB was provided with and relied upon information from the Client in performing services and forming certain conclusions regarding effectiveness of excavation activities and the need for additional investigations or remediation at the Site. Except as otherwise noted, no attempt has been made to verify the accuracy or completeness of such information.

- The objectives of the remedial efforts described in this report were excavation and off-site disposal of approximately ~1900 tons of impacted soils from the west side of the Site as outlined in HRP's RAP and City bid specifications for the project.

- The information presented in this report is based solely upon information gathered to date. Should further environmental or other relevant information be developed at a later date, Client should bring the information to the attention of VHB as soon as possible. Based upon an evaluation, VHB may modify the report and its conclusions.

- The findings, observations and conclusions presented in this report, including the extent of subsurface explorations and other tests, are limited by the scope of services outlined in our Agreement. Furthermore, the scope of services has been performed in accordance with generally accepted engineering practices. No other warranty, expressed or implied, is made.

Appendices

Appendix B
Soil Disposal Documentation

News of Worcester Landfill
Customer Detail Report

Transactions from 05/18/2010 through 05/18/2010
Third Party and Intercompany Customers
Recycle and Disposal Waste
Inbound and Outbound Tickets

Customer	Date/	Phase	Spak ID	Origin ID/ Destination ID	Release#	Truck	Trailer	Rate	Ticket	Tons	Yards	Units	Amount
INBOUND													
LI00809-CISSCO(10064)													
	5/18/2010												
		NA	CS	P.CHEMI		KAY3		$0.00	79834	22.5100	0.00	0.00	$0.00
		NA	CS	P.CHEMI		KAY9		$0.00	79835	23.2200	0.00	0.00	$0.00
		NA	CS	P.CHEMI		ZUKIC01		$0.00	79837	23.6200	0.00	0.00	$0.00
		NA	CS	P.CHEMI		LMG5		$0.00	79839	24.8600	0.00	0.00	$0.00
		NA	CS	P.CHEMI		PETRO2		$0.00	79841	22.5900	0.00	0.00	$0.00
		NA	CS	P.CHEMI		TAZ2		$0.00	79843	29.4800	0.00	0.00	$0.00
		NA	CS	P.CHEMI		TAZ1		$0.00	79844	24.6900	0.00	0.00	$0.00
		NA	CS	P.CHEMI		POROWS		$0.00	79846	23.6400	0.00	0.00	$0.00
		NA	CS	P.CHEMI		THOMAS2		$0.00	79847	24.4700	0.00	0.00	$0.00
		NA	CS	P.CHEMI		LANDEEN		$0.00	79849	23.5600	0.00	0.00	$0.00
		NA	CS	P.CHEMI		LANDEEN		$0.00	79859	28.9800	0.00	0.00	$0.00
		NA	CS	P.CHEMI		ZUKIC01		$0.00	79864	25.1800	0.00	0.00	$0.00
		NA	CS	P.CHEMI		KAY9		$0.00	79866	25.7300	0.00	0.00	$0.00
		NA	CS	P.CHEMI		KAY3		$0.00	79867	27.1700	0.00	0.00	$0.00
		NA	CS	P.CHEMI		PETRO2		$0.00	79868	23.0100	0.00	0.00	$0.00
		NA	CS	P.CHEMI		LMG5		$0.00	79869	24.9900	0.00	0.00	$0.00
		NA	CS	P.CHEMI		TAZ2		$0.00	79871	27.2300	0.00	0.00	$0.00
		NA	CS	P.CHEMI		TAZ1		$0.00	79872	29.9500	0.00	0.00	$0.00
		NA	CS	P.CHEMI		POROWS		$0.00	79875	22.9200	0.00	0.00	$0.00
		NA	CS	P.CHEMI		LANDEEN		$0.00	79878	23.0200	0.00	0.00	$0.00
		NA	CS	P.CHEMI		THOMAS2		$0.00	79880	25.0500	0.00	0.00	$0.00
		NA	CS	P.CHEMI		LANDEEN		$0.00	79884	26.6700	0.00	0.00	$0.00
									22	**552.54**	**0.00**	**0.00**	**0.00**
Totals for LI00809-CISSCO(10064)									**22**	**552.5400**	**0.00**	**0.00**	**$0.00**
Totals for Inbound:									**22**	**552.54**	**0.00**	**0.00**	**0.00**

RpCst.rpt

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

Cisco 051110-Greenwood
Tracking Number

J. Load Information

Note:
Make additional copies of this page as necessary.

Load#: 1

Signature of transporter

Worcester Landfill
Receiving facility

5-18
Date received

3.30
Time received

5-18
Date of shipment

2:00
Time of shipment

2908 MT
Truck/Tractor registration

V7386
Trailer registration

26.67
Load size (cubic yards/tons)

Load#: _____

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

Load#: _____

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

K. Log Sheet Volume Information

Total volume this page (cubic yards/tons)

Total carried forward (cubic yards/tons)

Total carried forward and this page (cubic yards/tons)

Page _____ of _____

News of Worcester Landfill
30 NippNapp Trail
Worcester, MA 01607
508-755-4604

TICKET: 79847
DATE: 05/18/2010
TIME: 09:01 - 09:01

CUSTOMER: LI00009 / CISSCO(10064)
HAULCUST: WO: 0 APPROVAL #:
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL
TRUCK: THOMAS28 TRAILER:
GENERATOR: P.CHEMICAL / PORTLANDPBBFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT:

P.O.:
GROSS: 78440 LBS(-AutoWt
TARE: 29500 LBS(-AutoWt
NET: 48940 LBS

CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	24.4700	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: _____ Weighmaster: _____

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

News of Worcester Landfill
30 NippNapp Trail
Worcester, MA 01607
508-755-4604

TICKET: 79880
DATE: 05/18/2010
TIME: 14:00 - 14:00

CUSTOMER: LI00009 / CISSCO(10064)
HAULCUST: WO: 0 APPROVAL #:
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL
TRUCK: THOMAS28 TRAILER:
GENERATOR: P.CHEMICAL / PORTLANDPBBFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT:

P.O.:
GROSS: 79600 LBS(-AutoWt
TARE: 29500 LBS(-AutoWt
NET: 50100 LBS

CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	25.0500	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: _____ Weighmaster: _____

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

10064

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

Cisco 051110-Greenwood
Tracking Number

Thomas Trucking

J. Load Information

Note: Make additional copies of this page as necessary.

Load#: 1

Thomas Mayo	Worcester Landfill
Signature of transporter	Receiving facility
5-18-10	900	5-18-10	740
Date received	Time received	Date of shipment	Time of shipment
22914ACT	
Truck/Tractor registration	Trailer registration
24.47	Ticket # 79847
Load size (cubic yards/tons)	

Load#: 2

Thomas Mayo	Worcester Landfill
Signature of transporter	Receiving facility
5-18-10	200	5-18-10	1240
Date received	Time received	Date of shipment	Time of shipment
22914ACT	
Truck/Tractor registration	Trailer registration
25.05	
Load size (cubic yards/tons)	

Load#: _____

Signature of transporter	Receiving facility
Date received	Time received	Date of shipment	Time of shipment
Truck/Tractor registration	Trailer registration
Load size (cubic yards/tons)	

K. Log Sheet Volume Information

49.52	Total volume this page (cubic yards/tons)
476.35	Total carried forward (cubic yards/tons)
525.87	Total carried forward and this page (cubic yards/tons)

Page 1 of 1

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 79859
DATE: 05/18/2010
TIME: 11:09 - 11:09

CUSTOMER: LI00809 / CISSCO(10064) P.O.:
HAULCUST: WO: 0 APPROVAL #: GROSS: 93060 LBS(-AutoWt
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL TARE: 35100 LBS(-AutoWt
TRUCK: LANDEEN263 TRAILER: NET: 57960 LBS
GENERATOR: P.CHEMICAL / PORTLANDPBBFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT: CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	28.9000	ST

I Hereby Declare That I Have/NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: _____ Weighmaster: _____

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

Cisco 051110-Greenwood
Tracking Number

LTC. 263

J. Load Information

Note:
Make additional copies of this page as necessary.

Load#: 1

PAUL GRATHWOHL
Signature of transporter

Greenwood ST LF
Receiving facility

5-18-10
Date received

11.05
Time received

5-18-10
Date of shipment

Time of shipment

48445-A
Truck/Tractor registration

V5610
Trailer registration

28.98
Load size (cubic yards/tons)

Load#: _____

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

Load#: _____

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

K. Log Sheet Volume Information

28 88
Total volume this page (cubic yards/tons)

447.37
Total carried forward (cubic yards/tons)

Page _____ of _____

476.35
Total carried forward and this page (cubic yards/tons)

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 79878
DATE: 05/18/2010
TIME: 13:53 - 13:53

CUSTOMER: LI00809 / CISSCO(10064)
HAULCUST: WO: 0 APPROVAL #:
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL
TRUCK: LANDEEN933 TRAILER:
GENERATOR: P.CHEMICAL / PORTLANDPRBFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT:

P.O.:
GROSS: 75440 LBS(-AutoWt
TARE: 29400 LBS(-AutoWt
NET: 46040 LBS

CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	23.0200	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: _____ Weighmaster: _____

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 79849
DATE: 05/18/2010
TIME: 09:15 - 09:15

CUSTOMER: LI00809 / CISSCO(10064)
HAULCUST: WO: 0 APPROVAL #:
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL
TRUCK: LANDEEN933 TRAILER:
GENERATOR: P.CHEMICAL / PORTLANDPRBFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT:

P.O.:
GROSS: 76520 LBS(-AutoWt
TARE: 29400 LBS(-AutoWt
NET: 47120 LBS

CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	23.5600	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: _____ Weighmaster: _____

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

10.064

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

Cisco 051110-Greenwood
Tracking Number

LTC, 933

J. Load Information

Note:
Make additional copies of this page as necessary.

Load#: 1

Signature of transporter

Greenwood St Landfill
Receiving facility

5-18-10
Date received

9.15
Time received

5-18-10
Date of shipment

8:00 AM
Time of shipment

#34650 A
Truck/Tractor registration

Trailer registration

23.56
Load size (cubic yards/tons)

Load#: 2

Signature of transporter

Greenwood St Landfill
Receiving facility

5-18-10
Date received

1.55
Time received

5-18-10
Date of shipment

Time of shipment

34650 A
Truck/Tractor registration

Trailer registration

23.02
Load size (cubic yards/tons)

Load#: _____

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

K. Log Sheet Volume Information

46.58
Total volume this page (cubic yards/tons)

400.79
Total carried forward (cubic yards/tons)

447.37
Total carried forward and this page (cubic yards/tons)

Page _____ of _____

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 79846
DATE: 05/18/2010
TIME: 08:58 - 08:58

CUSTOMER: LI00809 / CISSCO(10064) P.O.:
HAULCUST: WO: 0 APPROVAL #: GROSS: 74780 LBS(-AutoWt
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL TARE: 27500 LBS(-AutoWt
TRUCK: POROWSKI6 TRAILER: NET: 47280 LBS
GENERATOR: P.CHEMICAL / PORTLANDPBBFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT: CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	23.6400	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: _____ Weighmaster: _____

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 79875
DATE: 05/18/2010
TIME: 13:34 - 13:34

CUSTOMER: LI00809 / CISSCO(10064) P.O.:
HAULCUST: WO: 0 APPROVAL #: GROSS: 73340 LBS(-AutoWt
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL TARE: 27500 LBS(-AutoWt
TRUCK: POROWSKI6 TRAILER: NET: 45840 LBS
GENERATOR: P.CHEMICAL / PORTLANDPBBFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT: CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	22.9200	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: _____ Weighmaster: _____

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

10-064

Porowski 6

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

~~10-4-125 Transporter 2~~
Tracking Number

Cisco 05-1110-
Greenwood

J. Load Information

Note:
Make additional copies of this page as necessary.

Load#:

Chet Pork
Signature of transporter

More Caldwell
Receiving facility

5-18-10 | 9.00
Date received | Time received

5-18-10 |
Date of shipment | Time of shipment

MA 38339
Truck/Tractor registration

Trailer registration

23 64
Load size (cubic yards/tons)

Load#:

Chet Pork
Signature of transporter

More Caldwell
Receiving facility

5-18-10 | 1:35
Date received | Time received

5-18-10 |
Date of shipment | Time of shipment

MA 28339
Truck/Tractor registration

Trailer registration

22.92
Load size (cubic yards/tons)

Load#: _____

Signature of transporter

Receiving facility

Date received | Time received

Date of shipment | Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

K. Log Sheet Volume Information

46.56
Total volume this page (cubic yards/tons)

354.23
Total carried forward (cubic yards/tons)

400.79
Total carried forward and this page (cubic yards/tons)

Page _____ of _____

News of Worcester Landfill
30 NippNapp Trail
Worcester, MA 01607
508-755-4604

TICKET: 79866
DATE: 05/18/2010
TIME: 12:32 - 12:32

CUSTOMER: LI00809 / CISSCO(10064)
HAULCUST: WO: 0 APPROVAL #:
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL
TRUCK: KAY9 TRAILER:
GENERATOR: P.CHEMICAL / PORTLANDPBBFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT:

P.O.:
GROSS: 79160 LBS(-AutoWt
TARE: 27700 LBS(-AutoWt
NET: 51460 LBS

CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	25.7300	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: _____ Weighmaster: _____

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

News of Worcester Landfill
30 NippNapp Trail
Worcester, MA 01607
508-755-4604

TICKET: 79835
DATE: 05/18/2010
TIME: 07:54 - 07:54

CUSTOMER: LI00809 / CISSCO(10064)
HAULCUST: WO: 0 APPROVAL #:
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL
TRUCK: KAY9 TRAILER:
GENERATOR: P.CHEMICAL / PORTLANDPBBFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT:

P.O.:
GROSS: 74140 LBS(-AutoWt
TARE: 27700 LBS(-AutoWt
NET: 46440 LBS

CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	23.2200	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: _____ Weighmaster: _____

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

10.064

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

Cisco 051110-Greenwood
Tracking Number

Day 9

J. Load Information

Note:
Make additional copies of this page as necessary.

Load#: 1

Dougie Kg
Signature of transporter

Greenwood ST
Receiving facility

5-18-10
Date received

7.55
Time received

5-18-10
Date of shipment

635
Time of shipment

43903 NEY
Truck/Tractor registration

Trailer registration

23.22
Load size (cubic yards/tons)

Load#: 2

Dougie Kg
Signature of transporter

Greenwood ST
Receiving facility

5-18-10
Date received

1235
Time received

5-18-10
Date of shipment

Time of shipment

43903 NEY
Truck/Tractor registration

Trailer registration

25.73
Load size (cubic yards/tons)

Load#: _____

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

K. Log Sheet Volume Information

48.95
Total volume this page (cubic yards/tons)

305.28
Total carried forward (cubic yards/tons)

354.23
Total carried forward and this page (cubic yards/tons)

Page _____ of _____

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 79867
DATE: 05/18/2010
TIME: 12:33 - 12:33

CUSTOMER: LI00809 / CISSCO(10064)
HAULCUST: WO: 0 APPROVAL #:
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL
TRUCK: KAY3 TRAILER:
GENERATOR: P.CHEMICAL / PORTLANDPBBFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT:

P.O.:
GROSS: 82040 LBS(-AutoWt
TARE: 27700 LBS(-AutoWt
NET: 54340 LBS

CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	27.1700	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: _____ Weighmaster: _____

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 79834
DATE: 05/18/2010
TIME: 07:53 - 07:53

CUSTOMER: LI00809 / CISSCO(10064)
HAULCUST: WO: 0 APPROVAL #:
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL
TRUCK: KAY3 TRAILER:
GENERATOR: P.CHEMICAL / PORTLANDPBBFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT:

P.O.:
GROSS: 72720 LBS(-AutoWt
TARE: 27700 LBS(-AutoWt
NET: 45020 LBS

CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	22.5100	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: _____ Weighmaster: _____

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

10.064

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

Cisco 051110-Greenwood
Tracking Number

Kay 3

J. Load Information

Note:
Make additional copies of this page as necessary.

Load#:

Tom Lombardi
Signature of transporter

Greenwood ST
Receiving facility

5-18-2010 | 7.55
Date received | Time received

5-18-2010
Date of shipment

Time of shipment

39635-M
Truck/Tractor registration

Trailer registration

22.51
Load size (cubic yards/tons)

Load#:

Tom Lombardi
Signature of transporter:

Greenwood ST
Receiving facility

5-18-2010 | 12.35
Date received | Time received

5-18-2010
Date of shipment

Time of shipment

39635-M
Truck/Tractor registration

Trailer registration

27.17
Load size (cubic yards/tons)

Load#: _____

Signature of transporter

Receiving facility

Date received | Time received

Date of shipment | Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

K. Log Sheet Volume Information

49 68
Total volume this page (cubic yards/tons)

255 60
Total carried forward (cubic yards/tons)

305.28
Total carried forward and this page (cubic yards/tons)

Page _____ of _____

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 79869
DATE: 05/18/2010
TIME: 12:55 - 12:55

CUSTOMER: LI00809 / CISSCO(10064)
HAULCUST: WO: 0 APPROVAL #:
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL
TRUCK: LMG5 TRAILER:
GENERATOR: P.CHEMICAL / PORTLANDPROFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT:

P.O.:
GROSS: 78300 LBS(-AutoWt
TARE: 28400 LBS(-AutoWt
NET: 49900 LBS

CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	24.9900	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: Mike D. Weighmaster:

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 79839
DATE: 05/18/2010
TIME: 08:19 - 08:19

CUSTOMER: LI00809 / CISSCO(10064)
HAULCUST: WO: 0 APPROVAL #:
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL
TRUCK: LMG5 TRAILER:
GENERATOR: P.CHEMICAL / PORTLANDPROFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT:

P.O.:
GROSS: 78120 LBS(-AutoWt
TARE: 28400 LBS(-AutoWt
NET: 49720 LBS

CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	24.8600	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: Mike D. Weighmaster:

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

10.064

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

Cisco 051110-Greenwood
Tracking Number

LMG 5

J. Load Information

Note: Make additional copies of this page as necessary.

Load#: 1

Mike D	Greenwood
Signature of transporter	Receiving facility
5-18-10	5-18-10
Date received	Date of shipment
8.20	
Time received	Time of shipment
45760-A	
Truck/Tractor registration	Trailer registration
24.86	
Load size (cubic yards/tons)	

Load#: 2

Mike D	Greenwood
Signature of transporter	Receiving facility
5-18-10	5-18-10
Date received	Date of shipment
12.55	
Time received	Time of shipment
45760-A	
Truck/Tractor registration	Trailer registration
24.99	
Load size (cubic yards/tons)	

Load#: _____

Signature of transporter	Receiving facility
Date received	Date of shipment
Time received	Time of shipment
Truck/Tractor registration	Trailer registration
Load size (cubic yards/tons)	

K. Log Sheet Volume Information

49.85	Total volume this page (cubic yards/tons)
205.75	Total carried forward (cubic yards/tons)
255.60	Total carried forward and this page (cubic yards/tons)

Page _____ of _____

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 79871
DATE: 05/18/2010
TIME: 13:00 - 13:00

CUSTOMER: LI00809 / CISSCO(10064) P.O.:
HAULCUST: WO: 0 APPROVAL #: GROSS: 82260 LBS(-AutoWt
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL TARE: 27800 LBS(-AutoWt
TRUCK: TAZ2 TRAILER: NET: 54460 LBS
GENERATOR: P.CHEMICAL / PORTLANDPRBFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT: CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	27.2300	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: _____ Weighmaster: _____

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 79843
DATE: 05/18/2010
TIME: 08:32 - 08:32

CUSTOMER: LI00809 / CISSCO(10064) P.O.:
HAULCUST: WO: 0 APPROVAL #: GROSS: 86760 LBS(-AutoWt
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL TARE: 27800 LBS(-AutoWt
TRUCK: TAZ2 TRAILER: NET: 58960 LBS
GENERATOR: P.CHEMICAL / PORTLANDPRBFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT: CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	29.4800	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: _____ Weighmaster: _____

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

10.064

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

Cisco 051110-Greenwood
Tracking Number

TAZ2

J. Load Information

Note:
Make additional copies of this page as necessary.

Load#: 1

Signature of transporter

Receiving facility: Greenwood ST. Landfill, Worcester MA

Date received: 5-18-10 Time received: 7:05 AM

Date of shipment: 5-18-10 Time of shipment: 8 30

Truck/Tractor registration: #2-44009A

Trailer registration

Load size (cubic yards/tons): 29.48

Load#: 2

Signature of transporter

Receiving facility: Greenwood ST. Landfill, Worcester MA

Date received: 5-18-10 Time received: 1:00

Date of shipment: 5-18-10 Time of shipment:

Truck/Tractor registration: #2-44009A

Trailer registration

Load size (cubic yards/tons): 27.23

Load#: _____

Signature of transporter

Receiving facility

Date received: _____ Time received: _____

Date of shipment: _____ Time of shipment: _____

Truck/Tractor registration: _____

Trailer registration: _____

Load size (cubic yards/tons): _____

K. Log Sheet Volume Information

Total volume this page (cubic yards/tons): 56.71

Total carried forward (cubic yards/tons): 149.04

Total carried forward and this page (cubic yards/tons): 205.75

Page 1 of 1

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 79872
DATE: 05/18/2010
TIME: 13:02 - 13:02

CUSTOMER: LI00809 / CISSCO(10064)
HAULCUST: WO: 0 APPROVAL #:
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL
TRUCK: TAZ1 TRAILER:
GENERATOR: P.CHEMICAL / PORTLANDPROFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT:

P.O.:
GROSS: 86000 LBS(-AutoWt
TARE: 26100 LBS(-AutoWt
NET: 59900 LBS

CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	29.9500	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: _____ Weighmaster: _____

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 79844
DATE: 05/18/2010
TIME: 08:42 - 08:42

CUSTOMER: LI00809 / CISSCO(10064)
HAULCUST: WO: 0 APPROVAL #:
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL
TRUCK: TAZ1 TRAILER:
GENERATOR: P.CHEMICAL / PORTLANDPROFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT:

P.O.:
GROSS: 75480 LBS(-AutoWt
TARE: 26100 LBS(-AutoWt
NET: 49380 LBS

CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	24.6900	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: _____ Weighmaster: _____

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

10-064

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

Cisco 051110-Greenwood
Tracking Number

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

TA2-1

J. Load Information

Note:
Make additional copies of this page as necessary.

Load#: 1

Signature of transporter

Greenwood
Receiving facility

5-18-10 — Date received
7:15 AM — Time received
5-18-10 — Date of shipment
8.45 — Time of shipment

43490 A — Truck/Tractor registration
N/A — Trailer registration

— Load size (cubic yards/tons)
24.69

Load#: 2

Signature of transporter

Greenwood
Receiving facility

5-18-10 — Date received
1.00 — Time received
5-18-10 — Date of shipment
Time of shipment

43490 A — Truck/Tractor registrati
N/A — Trailer registration

— Load size (cubic yards/tons)
29.95

Load#: _____

Signature of transporter

Receiving facility

Date received — Time received
Date of shipment — Time of shipment

Truck/Tractor registration
Trailer registration

Load size (cubic yards/tons)

K. Log Sheet Volume Information

Total tons
54.64 — Total volume this page (cubic yards/tons)

74.40 — Total carried forward (cubic yards/tons)

129.04 — Total carried forward and this page (cubic yards/tons)

Page _____ of _____

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 79868
DATE: 05/18/2010
TIME: 12:40 - 12:40

CUSTOMER: LI00809 / CISSCO(10064) P.O.:
HAULCUST: WO: 0 APPROVAL #: GROSS: 73720 LBS(-AutoWt
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL TARE: 27700 LBS(-AutoWt
TRUCK: PETRO2 TRAILER: NET: 46020 LBS
GENERATOR: P.CHEMICAL / PORTLANDPROFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT: CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	23.0100	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: _____ Weighmaster: _____

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 79841
DATE: 05/18/2010
TIME: 08:25 - 08:25

CUSTOMER: LI00809 / CISSCO(10064) P.O.:
HAULCUST: WO: 0 APPROVAL #: GROSS: 72880 LBS(-AutoWt
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL TARE: 27700 LBS(-AutoWt
TRUCK: PETRO2 TRAILER: NET: 45180 LBS
GENERATOR: P.CHEMICAL / PORTLANDPROFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT: CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	22.5900	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: _____ Weighmaster: _____

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

Cisco 051110-Greenwood
Tracking Number
PSI #02

J. Load Information

Note:
Make additional copies of this page as necessary.

Load#: 1

Signature of transporter

Receiving facility: Worster Mass

Date received: 5/18/10 — Time received: 8:25

Date of shipment: 5/18/10 — Time of shipment: 6:30

Truck/Tractor registration: 456794

Trailer registration

Load size (cubic yards/tons): 22.59

Load#: 2

Signature of transporter

Receiving facility: 11

Date received: 5/18 — Time received: 12.45

Date of shipment: 5/18 — Time of shipment: 16:00

Truck/Tractor registration: 16

Trailer registration

Load size (cubic yards/tons): 23.01

Load#: _____

Signature of transporter

Receiving facility

Date received — Time received

Date of shipment — Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

K. Log Sheet Volume Information

Total volume this page (cubic yards/tons): 45 60

Total carried forward (cubic yards/tons): 48 80

Total carried forward and this page (cubic yards/tons): 94 40

Page _____ of _____

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 79837
DATE: 05/18/2010
TIME: 08:05 - 08:05

CUSTOMER: LI00009 / CISSCO(10064)
HAULCUST: WO: 0 APPROVAL #:
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL
TRUCK: ZUKIC01 TRAILER:
GENERATOR: P.CHEMICAL / PORTLANDPRBFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT:

P.O.:
GROSS: 73640 LBS(-AutoWt
TARE: 26400 LBS(-AutoWt
NET: 47240 LBS

CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	23.6200	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: _____ Weighmaster: _____

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 79864
DATE: 05/18/2010
TIME: 12:23 - 12:23

CUSTOMER: LI00009 / CISSCO(10064)
HAULCUST: WO: 0 APPROVAL #:
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL
TRUCK: ZUKIC01 TRAILER:
GENERATOR: P.CHEMICAL / PORTLANDPRBFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT:

P.O.:
GROSS: 76760 LBS(-AutoWt
TARE: 26400 LBS(-AutoWt
NET: 50360 LBS

CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	25.1800	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: _____ Weighmaster: _____

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

Cisco 051110-Greenwood
Tracking Number

ZUKIC

J. Load Information

Note: Make additional copies of this page as necessary.

Load#: 1

Samir Zukic
Signature of transporter

Worchester
Receiving facility

05-18-10 — Date received
6:45 — Time received
05-19-10 — Date of shipment
8.10 — Time of shipment

44903A
Truck/Tractor registration

— Trailer registration

Ton 23.62
Load size (cubic yards/tons) TIC# 79837

Load#: 2

Samir Zukic
Signature of transporter

Worchester
Receiving facility

05-18-10 — Date received
11:00 — Time received
05-18-10 — Date of shipment
12.00 — Time of shipment

44903A
Truck/Tractor registration

— Trailer registration

Ton 25.18
Load size (cubic yards/tons) TIC#

Load#: _____

_____
Signature of transporter

_____
Receiving facility

_____ — Date received
_____ — Time received
_____ — Date of shipment
_____ — Time of shipment

_____
Truck/Tractor registration

_____
Trailer registration

_____
Load size (cubic yards/tons)

K. Log Sheet Volume Information

48.80
Total volume this page (cubic yards/tons)

_____
Total carried forward (cubic yards/tons)

_____
Total carried forward and this page (cubic yards/tons)

Page _____ of _____

News of Worcester Landfill
Customer Detail Report

Transactions from 05/19/2010 through 05/19/2010
Third Party and Intercompany Customers
Recycle and Disposal Waste
Inbound and Outbound Tickets

Customer	Date/	Phase	Spak ID	Origin ID/ Destination ID	Release#	Truck	Trailer	Rate	Ticket	Tons	Yards	Units	Amount
INBOUND													
LI00809-CISSCO(10064)													
	5/19/2010												
		NA	CS	P.CHEMI		KAY3		$0.00	79888	25.3000	0.00	0.00	$0.00
		NA	CS	P.CHEMI		TAZ2		$0.00	79890	26.4700	0.00	0.00	$0.00
		NA	CS	P.CHEMI		TAZ1		$0.00	79891	26.0700	0.00	0.00	$0.00
		NA	CS	P.CHEMI		LANDEEN		$0.00	79894	24.6600	0.00	0.00	$0.00
		NA	CS	P.CHEMI		POROWS		$0.00	79895	23.1300	0.00	0.00	$0.00
		NA	CS	P.CHEMI		LANDEEN		$0.00	79896	23.8700	0.00	0.00	$0.00
		NA	CS	P.CHEMI		THOMAS2		$0.00	79900	25.1800	0.00	0.00	$0.00
		NA	CS	P.CHEMI		LANDEEN		$0.00	79907	24.1200	0.00	0.00	$0.00
		NA	CS	P.CHEMI		TAZ1		$0.00	79921	26.7500	0.00	0.00	$0.00
		NA	CS	P.CHEMI		TAZ2		$0.00	79924	26.4300	0.00	0.00	$0.00
		NA	CS	P.CHEMI		LANDEEN		$0.00	79928	22.0800	0.00	0.00	$0.00
		NA	CS	P.CHEMI		LANDEEN		$0.00	79929	24.8000	0.00	0.00	$0.00
		NA	CS	P.CHEMI		LANDEEN		$0.00	79932	23.0600	0.00	0.00	$0.00
		NA	CS	P.CHEMI		POROWS		$0.00	79933	22.9400	0.00	0.00	$0.00
		NA	CS	P.CHEMI		PETRO2		$0.00	79938	23.7800	0.00	0.00	$0.00
		NA	CS	P.CHEMI		THOMAS2		$0.00	79939	23.3700	0.00	0.00	$0.00
		NA	CS	P.CHEMI		LANDEEN		$0.00	79942	23.7300	0.00	0.00	$0.00
		NA	CS	P.CHEMI		LANDEEN		$0.00	79943	23.3000	0.00	0.00	$0.00
		NA	CS	P.CHEMI		ALB2		$0.00	79947	29.3100	0.00	0.00	$0.00
									19	**468.35**	**0.00**	**0.00**	**0.00**
Totals for LI00809-CISSCO(10064)									**19**	**468.3500**	**0.00**	**0.00**	**$0.00**
Totals for Inbound:									**19**	**468.35**	**0.00**	**0.00**	**0.00**

RpCst.rpt

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 79947
DATE: 05/19/2010
TIME: 14:57 - 14:57

CUSTOMER: LI00009 / CISSCO(10064) P.O.:
HAULCUST: WO: 0 APPROVAL #: GROSS: 85020 LBS(-AutoWt
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL TARE: 26400 LBS(-AutoWt
TRUCK: ALB2 TRAILER: NET: 58620 LBS
GENERATOR: P.CHEMICAL / PORTLANDPBBFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT: CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	29.3100	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: _____ Weighmaster: _____

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

Cisco 051110-Greenwood
Tracking Number

Note:
Make additional copies of this page as necessary.

J. Load Information

Load#: 1

Signature of transporter

Date received: 5/19/10 Time received: 2:00

Truck/Tractor registration: 96836

Load size (cubic yards/tons): 29.31

Greenwood Street Landfill
Receiving facility

Date of shipment: 5.19.10 Time of shipment

Trailer registration

Load#: _____

Signature of transporter

Date received Time received

Truck/Tractor registration

Load size (cubic yards/tons)

Receiving facility

Date of shipment Time of shipment

Trailer registration

Load#: _____

Signature of transporter

Date received Time received

Truck/Tractor registration

Load size (cubic yards/tons)

Receiving facility

Date of shipment Time of shipment

Trailer registration

K. Log Sheet Volume Information

Total volume this page (cubic yards/tons): 29.31

Total carried forward (cubic yards/tons): 39049

Total carried forward and this page (cubic yards/tons): 468.35

Page 1 of 1

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 79943
DATE: 05/19/2010
TIME: 14:20 - 14:20

CUSTOMER: LI00809 / CISSCO(10064)
HAULCUST: WO: 0 APPROVAL #:
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL
TRUCK: LANDEEN774 TRAILER:
GENERATOR: P.CHEMICAL / PORTLANDPBBFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT:

P.O.:
GROSS: 80000 LBS(-AutoWt
TARE: 33400 LBS(-AutoWt
NET: 46600 LBS

CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	23.3000	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: _____ Weighmaster: _____

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

Cisco 051110-Greenwood
Tracking Number

J. Load Information

Note:
Make additional copies of this page as necessary.

Load#: 1

Dan Crudo
Signature of transporter

Greenstreet Landfill
Receiving facility

5-19-10
Date received

2.20
Time received

5-19-10
Date of shipment

Time of shipment

290816.A
Truck/Tractor registration

Trailer registration

23.30
Load size (cubic yards/tons)

Load#: _____

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

Load#: _____

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

K. Log Sheet Volume Information

23.30
Total volume this page (cubic yards/tons)

346.19
Total carried forward (cubic yards/tons)

369.49
Total carried forward and this page (cubic yards/tons)

Page _____ of _____

News of Worcester Landfill
30 NippNapp Trail
Worcester, MA 01607
508-755-4604

TICKET: 79942
DATE: 05/19/2010
TIME: 14:07 - 14:07

CUSTOMER: LI00809 / CISSCO(10064)
HAULCUST: WO: 0 APPROVAL #:
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL
TRUCK: LANDEEN859 TRAILER:
GENERATOR: P.CHEMICAL / PORTLANDPQBFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT:

P.O.:
GROSS: 78660 LBS(-AutoWt
TARE: 31200 LBS(-AutoWt
NET: 47460 LBS

CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	23.7300	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: _____ Weighmaster: _____

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

Cisco 051110-Greenwood
Tracking Number

J. Load Information

Note:
Make additional copies of this page as necessary.

Load#: 1

Bill C
Signature of transporter

Worcester Landfill
Receiving facility

5-19
Date received

9:30
Time received

5-19
Date of shipment

8:02
Time of shipment

290877
Truck/Tractor registration

V73868
Trailer registration

24.12
Load size (cubic yards/tons)

#79907

Load#: 2

Bill C
Signature of transporter

Worcester Landfill
Receiving facility

5-19
Date received

2.05
Time received

5-19
Date of shipment

Time of shipment

290877
Truck/Tractor registration

V73868
Trailer registration

23.73
Load size (cubic yards/tons)

Load#: _____

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

K. Log Sheet Volume Information

23.73
Total volume this page (cubic yards/tons)

343.46
Total carried forward (cubic yards/tons)

367.19
Total carried forward and this page (cubic yards/tons)

Page _____ of _____

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 79888
DATE: 05/19/2010
TIME: 08:24 - 08:24

CUSTOMER: LI00809 / CISSCO(10064) P.O.:
HAULCUST: WO: 0 APPROVAL #: GROSS: 78300 LBS(-AutoWt
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL TARE: 27700 LBS(-AutoWt
TRUCK: KAY3 TRAILER: NET: 50600 LBS
GENERATOR: P.CHEMICAL / PORTLANDPCBFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT: CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	25.3000	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: Tom Weighmaster:

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

10.064

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

Key 3

Cisco 051110-Greenwood
Tracking Number

10.064

J. Load Information

Note:
Make additional copies of this page as necessary.

Load#: _____

Signature of transporter

Receiving facility: Greenwood ST

5-19-2010 — Date received
8.25 — Time received

5-19-2010 — Date of shipment
Time of shipment

39635-A — Truck/Tractor registration
Trailer registration

25.30 — Load size (cubic yards/tons)

Load#: _____

Signature of transporter

Receiving facility: Greenwood ST

5-19-2010 — Date received
Time received

5-19-2010 — Date of shipment
Time of shipment

39635-A — Truck/Tractor registration
Trailer registration

Load size (cubic yards/tons)

Load#: _____

Signature of transporter
Receiving facility

Date received
Time received

Date of shipment
Time of shipment

Truck/Tractor registration
Trailer registration

Load size (cubic yards/tons)

K. Log Sheet Volume Information

25.30 — Total volume this page (cubic yards/tons)

318.16 — Total carried forward (cubic yards/tons)

343.46 — Total carried forward and this page (cubic yards/tons)

Page _____ of _____

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 79939
DATE: 05/19/2010
TIME: 13:51 - 13:51

CUSTOMER: LI00809 / CISSCO(10064) P.O.:
HAULCUST: WO: 0 APPROVAL #: GROSS: 76240 LBS(-AutoWt
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL TARE: 29500 LBS(-AutoWt
TRUCK: THOMAS28 TRAILER: NET: 46740 LBS
GENERATOR: P.CHEMICAL / PORTLANDPRBFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT: CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	23.3700	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: _____ Weighmaster: _____

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 79900
DATE: 05/19/2010
TIME: 09:18 - 09:18

CUSTOMER: LI00809 / CISSCO(10064) P.O.:
HAULCUST: WO: 0 APPROVAL #: GROSS: 79860 LBS(-AutoWt
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL TARE: 29500 LBS(-AutoWt
TRUCK: THOMAS28 TRAILER: NET: 50360 LBS
GENERATOR: P.CHEMICAL / PORTLANDPRBFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT: CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	25.1800	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: _____ Weighmaster: _____

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

10-064

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

Cisco 051110-Greenwood
Tracking Number

Thomas Tucking

J. Load Information

Note: Make additional copies of this page as necessary.

Load#: 1

Thomas Mayo
Signature of transporter

Worcester Landfill
Receiving facility

5-19-10 | 920
Date received | Time received

5-19-10 | 755
Date of shipment | Time of shipment

22914 CT
Truck/Tractor registration

Trailer registration Ticket # 79900

25.18
Load size (cubic yards/tons)

Load#: 2

Thomas Mayo
Signature of transporter

Worcester Landfill
Receiving facility

5-19-10 | 155
Date received | Time received

5-19-10 | _____
Date of shipment | Time of shipment

22914 CT
Truck/Tractor registration

Trailer registration

23.37
Load size (cubic yards/tons)

Load#: _____

_____
Signature of transporter

_____
Receiving facility

_____ | _____
Date received | Time received

_____ | _____
Date of shipment | Time of shipment

_____
Truck/Tractor registration

_____
Trailer registration

_____
Load size (cubic yards/tons)

K. Log Sheet Volume Information

48.55
Total volume this page (cubic yards/tons)

318.16
Total carried forward (cubic yards/tons)

_____
Total carried forward and this page (cubic yards/tons)

Page 1 of 1

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 79938
DATE: 05/19/2010
TIME: 13:47 - 13:47

CUSTOMER: LI00809 / CISSCO(10064) P.O.:
HAULCUST: WO: 0 APPROVAL #: GROSS: 75260 LBS(-AutoWt
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL TARE: 27700 LBS(-AutoWt
TRUCK: PETRO2 TRAILER: NET: 47560 LBS
GENERATOR: P.CHEMICAL / PORTLANDPRBFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT: CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	23.7000	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: _____ Weighmaster: _____

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

Cisco 051110-Greenwood
Tracking Number
PSL#02

J. Load Information

Note:
Make additional copies of this page as necessary.

Load#: 1

Signature of transporter

Worcester Landfill

Receiving facility

5/18/10 — Date received

1.50 — Time received

5/18/10 — Date of shipment

12:30 — Time of shipment

45679-A — Truck/Tractor registration

Trailer registration

23.78 — Load size (cubic yards/tons)

Load#: _____

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

Load#: _____

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

K. Log Sheet Volume Information

23.78 — Total volume this page (cubic yards/tons)

274.38 — Total carried forward (cubic yards/tons)

318.16 — Total carried forward and this page (cubic yards/tons)

Page _____ of _____

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 79907
DATE: 05/19/2010
TIME: 09:30 - 09:30

CUSTOMER: LI00009 / CISSCO(10064) P.O.:
HAULCUST: WO: 0 APPROVAL #: GROSS: 79440 LBS(-AutoWt
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL TARE: 31200 LBS(-AutoWt
TRUCK: LANDEEN859 TRAILER: NET: 48240 LBS
GENERATOR: P.CHEMICAL / PORTLANDPRBFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT: CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	24.1200	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: _____ Weighmaster: _____

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

10-064

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

Cisco 051110-Greenwood
Tracking Number

LTC 857

J. Load Information

Note:
Make additional copies of this page as necessary.

Load#: 1

Signature of transporter

Receiving facility: Worcester Landfill

Date received: 5-19 | Time received: 9:30

Date of shipment: 5-19 | Time of shipment: 8:00

Truck/Tractor registration: 290878

Trailer registration: V73868

Load size (cubic yards/tons): 24.12

Load#: _____

Signature of transporter

Receiving facility

Date received | Time received

Date of shipment | Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

Load#: _____

Signature of transporter

Receiving facility

Date received | Time received

Date of shipment | Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

K. Log Sheet Volume Information

Total volume this page (cubic yards/tons): 24.12

Total carried forward (cubic yards/tons): 270.26

Total carried forward and this page (cubic yards/tons): 294.38

Page _____ of _____

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 79895
DATE: 05/19/2010
TIME: 09:04 - 09:04

CUSTOMER: LI00809 / CISSCO(10064) P.O.:
HAULCUST: WO: 0 APPROVAL #: GROSS: 73760 LBS(-AutoWt
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL TARE: 27500 LBS(-AutoWt
TRUCK: POROWSKI6 TRAILER: NET: 46260 LBS
GENERATOR: P.CHEMICAL / PORTLANDPROFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT: CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	23.1300	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: _____ Weighmaster: _____

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 79933
DATE: 05/19/2010
TIME: 13:26 - 13:26

CUSTOMER: LI00809 / CISSCO(10064) P.O.:
HAULCUST: WO: 0 APPROVAL #: GROSS: 73380 LBS(-AutoWt
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL TARE: 27500 LBS(-AutoWt
TRUCK: POROWSKI6 TRAILER: NET: 45880 LBS
GENERATOR: P.CHEMICAL / PORTLANDPROFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT: CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	22.9400	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: _____ Weighmaster: _____

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

10.024

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

Cisco 051110-Greenwood
Tracking Number

C+D Potowski Trucking

J. Load Information

Note:
Make additional copies of this page as necessary.

Load#: _____

Signature of transporter	Receiving facility
Date received: 5-19-10	Time received: 7:40
Date of shipment: 5-19-10	Time of shipment: 9 00
Truck/Tractor registration: MA38337	Trailer registration
Load size (cubic yards/tons): 23.13	

Load#: _____

Signature of transporter	Receiving facility
Date received: 5-19-10	Time received:
Date of shipment: 5-19-10	Time of shipment: 1.30
Truck/Tractor registration: MA 38337	Trailer registration
Load size (cubic yards/tons): 22.74	

Load#: _____

Signature of transporter	Receiving facility
Date received	Time received
Date of shipment	Time of shipment
Truck/Tractor registration	Trailer registration
Load size (cubic yards/tons)	

K. Log Sheet Volume Information

Total volume this page (cubic yards/tons): 4607

Total carried forward (cubic yards/tons): 224.19

Total carried forward and this page (cubic yards/tons): 270.26

Page _____ of _____

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 79896
DATE: 05/19/2010
TIME: 09:09 - 09:09

CUSTOMER: LI00809 / CISSCO(10064)
HAULCUST: WO: 0 APPROVAL #:
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL
TRUCK: LANDEEN747 TRAILER:
GENERATOR: P.CHEMICAL / PORTLANDPRBFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT:

P.O.:
GROSS: 78440 LBS(-AutoWt
TARE: 30700 LBS(-AutoWt
NET: 47740 LBS

CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	23.8700	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: Keri Riechle Weighmaster:

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 79932
DATE: 05/19/2010
TIME: 13:17 - 13:17

CUSTOMER: LI00809 / CISSCO(10064)
HAULCUST: WO: 0 APPROVAL #:
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL
TRUCK: LANDEEN747 TRAILER:
GENERATOR: P.CHEMICAL / PORTLANDPRBFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT:

P.O.:
GROSS: 76820 LBS(-AutoWt
TARE: 30700 LBS(-AutoWt
NET: 46120 LBS

CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	23.0600	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: Keri Riechle Weighmaster:

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

10.064

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

Cisco 051110-Greenwood
Tracking Number

LTC 747

J. Load Information

Note:
Make additional copies of this page as necessary.

Load#:

Kevin Riordan
Signature of transporter

Worcester
Receiving facility

5-19-10
Date received

9.10
Time received

5-19-10
Date of shipment

Time of shipment

32815-A
Truck/Tractor registration

Trailer registration

23.82
Load size (cubic yards/tons)

Load#:

Kevin Riordan
Signature of transporter

Worcester
Receiving facility

5-19-10
Date received

1.20
Time received

5-19-10
Date of shipment

Time of shipment

32815-A
Truck/Tractor registration

Trailer registration

23.06
Load size (cubic yards/tons)

Load#:

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

K. Log Sheet Volume Information

4693
Total volume this page (cubic yards/tons)

17726
Total carried forward (cubic yards/tons)

22419
Total carried forward and this page (cubic yards/tons)

Page _____ of _____

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 79894
DATE: 05/19/2010
TIME: 08:59 - 08:59

CUSTOMER: LI00809 / CISSCO(10064)
HAULCUST: WO: 0 APPROVAL #:
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL
TRUCK: LANDEEN933 TRAILER:
GENERATOR: P.CHEMICAL / PORTLANDPROFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT:

P.O.:
GROSS: 78720 LBS(-AutoWt
TARE: 29400 LBS(-AutoWt
NET: 49320 LBS

CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	24.6600	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: _____ Weighmaster: _____

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 79928
DATE: 05/19/2010
TIME: 13:02 - 13:02

CUSTOMER: LI00809 / CISSCO(10064)
HAULCUST: WO: 0 APPROVAL #:
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL
TRUCK: LANDEEN933 TRAILER:
GENERATOR: P.CHEMICAL / PORTLANDPROFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT:

P.O.:
GROSS: 73560 LBS(-AutoWt
TARE: 29400 LBS(-AutoWt
NET: 44160 LBS

CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	22.0000	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: _____ Weighmaster: _____

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

10-064

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

Cisco 051110-Greenwood
Tracking Number

Ltr. 933

J. Load Information

Note:
Make additional copies of this page as necessary.

Load#: 1

Signature of transporter

Greenwood St Landfill
Receiving facility

5-19-10 — Date received
9.00 — Time received
5-19-10 — Date of shipment
7:30 AM — Time of shipment

34650 A
Truck/Tractor registration

Trailer registration

24.66
Load size (cubic yards/tons)

Load#: 2

Signature of transporter

Greenwood St Landfill
Receiving facility

5-19-10 — Date received
1.00 — Time received
5-19-10 — Date of shipment
Time of shipment

34650 A
Truck/Tractor registration

Trailer registration

22.08
Load size (cubic yards/tons)

Load#: _____

Signature of transporter

Receiving facility

Date received
Time received
Date of shipment
Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

K. Log Sheet Volume Information

46.74
Total volume this page (cubic yards/tons)

130.52
Total carried forward (cubic yards/tons)

177.26
Total carried forward and this page (cubic yards/tons)

Page _____ of _____

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 79929
DATE: 05/19/2010
TIME: 13:04 - 13:04

CUSTOMER: LI00809 / CISSCO(10064) P.O.:
HAULCUST: WO: 0 APPROVAL #: GROSS: 79000 LBS(-AutoWt
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL TARE: 29400 LBS(-AutoWt
TRUCK: LANDEEN407 TRAILER: NET: 49600 LBS
GENERATOR: P.CHEMICAL / PORTLANDPCBFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT: CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	24.0000	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Drivers: _____ Weighmasters: _____

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

10.044

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

Cisco 051110-Greenwood
Tracking Number

J. Load Information

Note:
Make additional copies of this page as necessary.

Load#: 1

Signature of transporter

Receiving facility: Greenwood Street Landfill

Date received: 5-19-10 Time received: 1.00

Date of shipment: 5-19-10 Time of shipment:

Truck/Tractor registration: 42452-MA CT

Trailer registration: N/A

Load size (cubic yards/tons): 24.80

Load#:

Signature of transporter

Receiving facility

Date received Time received

Date of shipment Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

Load#:

Signature of transporter

Receiving facility

Date received Time received

Date of shipment Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

K. Log Sheet Volume Information

Total volume this page (cubic yards/tons): 24.80

Total carried forward (cubic yards/tons): 105.72

Total carried forward and this page (cubic yards/tons): 130.52

Page _____ of _____

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 79921
DATE: 05/19/2010
TIME: 12:28 - 12:28

CUSTOMER: LI00809 / CISSCO(10064) P.O.:
HAULCUST: WO: 0 APPROVAL #: GROSS: 79600 LBS(-AutoWt
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL TARE: 26100 LBS(-AutoWt
TRUCK: TAZ1 TRAILER: NET: 53500 LBS
GENERATOR: P.CHEMICAL / PORTLANDPBBFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT: CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	26.7500	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: _____ Weighmaster: _____

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 79891
DATE: 05/19/2010
TIME: 08:40 - 08:40

CUSTOMER: LI00809 / CISSCO(10064) P.O.:
HAULCUST: WO: 0 APPROVAL #: GROSS: 78240 LBS(-AutoWt
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL TARE: 26100 LBS(-AutoWt
TRUCK: TAZ1 TRAILER: NET: 52140 LBS
GENERATOR: P.CHEMICAL / PORTLANDPBBFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT: CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	26.0700	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: _____ Weighmaster: _____

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

10.064

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

Cisco 051110-Greenwood
Tracking Number

TAZ-1

J. Load Information

Note: Make additional copies of this page as necessary.

Load#: 1

Signature of transporter

Greenwood
Receiving facility

5-19-10
Date received

7:15 Am
Time received

5-19-10
Date of shipment

8:40
Time of shipment

43490 A
Truck/Tractor registration

MA
Trailer registration

FT
26.07
Load size (cubic yards/tons)

Load#: 2

Signature of transporter

Greenwood
Receiving facility

5-19-10
Date received

Time received

5-19-10
Date of shipment

1230
Time of shipment

43490 A
Truck/Tractor registration

N/A
Trailer registration

FT
26.75
Load size (cubic yards/tons)

Load#: _____

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

K. Log Sheet Volume Information

Total tons
52.82
Total volume this page (cubic yards/tons)

52.90
Total carried forward (cubic yards/tons)

105.72
Total carried forward and this page (cubic yards/tons)

Page _____ of _____

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 79924
DATE: 05/19/2010
TIME: 12:40 - 12:40

CUSTOMER: LI00009 / CISSCO(10064)
HAULCUST: WO: 0 APPROVAL #:
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL
TRUCK: TAZ2 TRAILER:
GENERATOR: P.CHEMICAL / PORTLANDPRBFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT:

P.O.:
GROSS: 80660 LBS(-AutoWt
TARE: 27800 LBS(-AutoWt
NET: 52860 LBS

CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	26.4300	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: _____ Weighmaster: _____

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 79890
DATE: 05/19/2010
TIME: 08:33 - 08:33

CUSTOMER: LI00009 / CISSCO(10064)
HAULCUST: WO: 0 APPROVAL #:
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL
TRUCK: TAZ2 TRAILER:
GENERATOR: P.CHEMICAL / PORTLANDPRBFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT:

P.O.:
GROSS: 80740 LBS(-AutoWt
TARE: 27800 LBS(-AutoWt
NET: 52940 LBS

CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	26.4700	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: _____ Weighmaster: _____

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

10-064

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

Cisco 051110-Greenwood
Tracking Number

TA22

J. Load Information

Note: Make additional copies of this page as necessary.

Load#: 1

Signature of transporter

Receiving facility: Worcester Landfill, MA

5-19-10 — Date received
7:20 AM — Time received
5-19-10 — Date of shipment
7:30 AM — Time of shipment

#2-44009A — Truck/Tractor registration

Trailer registration

26.47 — Load size (cubic yards/tons)

Load#: 2

Signature of transporter

Receiving facility: Worcester Landfill, MA

5-19-10 — Date received
12.40 — Time received
5-19-10 — Date of shipment
Time of shipment

#2-44009A — Truck/Tractor registration

Trailer registration

26.43 — Load size (cubic yards/tons)

Load#: _____

Signature of transporter

Receiving facility

Date received
Time received
Date of shipment
Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

K. Log Sheet Volume Information

52.90 — Total volume this page (cubic yards/tons)

Total carried forward (cubic yards/tons)

Total carried forward and this page (cubic yards/tons)

Page 1 of 1

News of Worcester Landfill
Customer Detail Report

Printed on 05/20/2010

Transactions from 05/20/2010 through 05/20/2010
Third Party and Intercompany Customers
Recycle and Disposal Waste
Inbound and Outbound Tickets

Customer	Date/	Phase	Spak ID	Origin ID/ Destination ID	Release#	Truck	Trailer	Rate	Ticket	Tons	Yards	Units	Amount
INBOUND													
LI00809-CISSCO(10064)													
	5/20/2010												
		NA	CS	P.CHEMI		ZUKIC01		$0.00	79954	22.8700	0.00	0.00	$0.00
		NA	CS	P.CHEMI		TAZ2		$0.00	79955	25.1900	0.00	0.00	$0.00
		NA	CS	P.CHEMI		PETRO2		$0.00	79958	23.2100	0.00	0.00	$0.00
		NA	CS	P.CHEMI		TAZ1		$0.00	79959	26.1700	0.00	0.00	$0.00
		NA	CS	P.CHEMI		SRSXXX		$0.00	79967	28.7500	0.00	0.00	$0.00
		NA	CS	P.CHEMI		LOMBAR		$0.00	79970	23.9600	0.00	0.00	$0.00
		NA	CS	P.CHEMI		ELITE6		$0.00	79974	27.0600	0.00	0.00	$0.00
		NA	CS	P.CHEMI		LANDEEN		$0.00	79980	21.9500	0.00	0.00	$0.00
		NA	CS	P.CHEMI		ALB2		$0.00	79983	29.6400	0.00	0.00	$0.00
		NA	CS	P.CHEMI		TEMA20		$0.00	79986	26.8700	0.00	0.00	$0.00
		NA	CS	P.CHEMI		LANDEEN		$0.00	79987	26.1700	0.00	0.00	$0.00
		NA	CS	P.CHEMI		POROWS		$0.00	79995	25.4600	0.00	0.00	$0.00
		NA	CS	P.CHEMI		LMG5		$0.00	80000	25.6300	0.00	0.00	$0.00
		NA	CS	P.CHEMI		THOMAS2		$0.00	80001	22.9700	0.00	0.00	$0.00
		NA	CS	P.CHEMI		SRSXXX		$0.00	80007	22.8800	0.00	0.00	$0.00
		NA	CS	P.CHEMI		PETRO2		$0.00	80008	25.9800	0.00	0.00	$0.00
		NA	CS	P.CHEMI		ELITE6		$0.00	80009	27.7400	0.00	0.00	$0.00
		NA	CS	P.CHEMI		ZUKIC01		$0.00	80013	25.3100	0.00	0.00	$0.00
		NA	CS	P.CHEMI		TAZ2		$0.00	80015	28.1500	0.00	0.00	$0.00
		NA	CS	P.CHEMI		TAZ1		$0.00	80018	28.5900	0.00	0.00	$0.00
		NA	CS	P.CHEMI		LANDEEN		$0.00	80024	24.2900	0.00	0.00	$0.00
		NA	CS	P.CHEMI		ALB2		$0.00	80025	32.2800	0.00	0.00	$0.00
		NA	CS	P.CHEMI		TEMA20		$0.00	80028	29.2200	0.00	0.00	$0.00
		NA	CS	P.CHEMI		LOMBAR		$0.00	80032	23.8100	0.00	0.00	$0.00
		NA	CS	P.CHEMI		POROWS		$0.00	80035	24.0300	0.00	0.00	$0.00
		NA	CS	P.CHEMI		LANDEEN		$0.00	80036	25.3400	0.00	0.00	$0.00
		NA	CS	P.CHEMI		LANDEEN		$0.00	80038	25.4700	0.00	0.00	$0.00

News of Worcester Landfill
Customer Detail Report
Transactions from 05/20/2010 through 05/20/2010
Third Party and Intercompany Customers
Recycle and Disposal Waste
Inbound and Outbound Tickets

Customer	Date/	Phase	Spak ID	Origin ID/ Destination ID	Release#	Truck	Trailer	Rate	Ticket	Tons	Yards	Units	Amount
LI00809-CISSCO(10064)													
		NA	CS	P.CHEMI		LANDEEN		$0.00	80040	22.3500	0.00	0.00	$0.00
		NA	CS	P.CHEMI		THOMAS2		$0.00	80041	24.0000	0.00	0.00	$0.00
		NA	CS	P.CHEMI		PETES1		$0.00	80042	22.1500	0.00	0.00	$0.00
									30	767.49	0.00	0.00	0.00
Totals for LI00809-CISSCO(10064)									30	767.4900	0.00	0.00	$0.00
Totals for Inbound:									30	767.49	0.00	0.00	0.00
Report Grand Totals									30	767.4900	0.00	0.00	$0.00

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 80042
DATE: 05/20/2010
TIME: 15:33 - 15:33

CUSTOMER: LI00809 / CISSCO(10064) P.O.:
HAULCUST: WO: 0 APPROVAL #: GROSS: 73300 LBS(-AutoWt
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL TARE: 29000 LBS(-AutoWt
TRUCK: PETES1 TRAILER: NET: 44300 LBS
GENERATOR: P.CHEMICAL / PORTLANDPROFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT: CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	22.1500	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: _____ Weighmaster: _____

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

Cisco 051110-Greenwood
Tracking Number

J. Load Information

Note:
Make additional copies of this page as necessary.

Load#: 1

Peter Pietri
Signature of transporter

Worcester Landfill
Receiving facility

5-20-10
Date received

3:30
Time received

5-20-10
Date of shipment

Time of shipment

47903A CT
Truck/Tractor registration

Trailer registration

Ticket#

22.15
Load size (cubic yards/tons)

Load#: _____

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

Load#: _____

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

K. Log Sheet Volume Information

22.15
Total volume this page (cubic yards/tons)

744.73
Total carried forward (cubic yards/tons)

766.94
Total carried forward and this page (cubic yards/tons)

Page _____ of _____

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 80000
DATE: 05/20/2010
TIME: 11:53 - 11:53

CUSTOMER: L100009 / CISSCO(10064)
HAULCUST: WO: 0 APPROVAL #:
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL
TRUCK: LMG5 TRAILER:
GENERATOR: P.CHEMICAL / PORTLANDPBBFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT:

P.O.:
GROSS: 79660 LBS(-AutoWt
TARE: 28400 LBS(-AutoWt
NET: 51260 LBS

CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	25.6300	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Drivers: Mike D

Weighmaster:

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

Cisco 051110-Greenwood
Tracking Number

J. Load Information

Note:
Make additional copies of this page as necessary.

Load#: 1

Mike D
Signature of transporter

5-20-10 — Date received
11:55 — Time received

45760-A
Truck/Tractor registration

25.63
Load size (cubic yards/tons)

Worcester/Greenwood
Receiving facility

5-20-10 — Date of shipment
Time of shipment

Trailer registration

Load#: _____

Signature of transporter

Receiving facility

Date received — Time received

Date of shipment — Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

Load#: _____

Signature of transporter

Receiving facility

Date received — Time received

Date of shipment — Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

K. Log Sheet Volume Information

25.63
Total volume this page (cubic yards/tons)

718.10
Total carried forward (cubic yards/tons)

744.03
Total carried forward and this page (cubic yards/tons)

Page _____ of _____

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 80038
DATE: 05/20/2010
TIME: 14:48 - 14:48

CUSTOMER: LI00809 / CISSCO(10064)
HAULCUST: WO: 0 APPROVAL #:
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL
TRUCK: LANDEEN859 TRAILER:
GENERATOR: P.CHEMICAL / PORTLANDPROFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT:

P.O.:
GROSS: 82140 LBS(-AutoWt
TARE: 31200 LBS(-AutoWt
NET: 50940 LBS

CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	25.4700	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: _____ Weighmaster: _____

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 79987
DATE: 05/20/2010
TIME: 10:14 - 10:14

CUSTOMER: LI00809 / CISSCO(10064)
HAULCUST: WO: 0 APPROVAL #:
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL
TRUCK: LANDEEN859 TRAILER:
GENERATOR: P.CHEMICAL / PORTLANDPROFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT:

P.O.:
GROSS: 83540 LBS(-AutoWt
TARE: 31200 LBS(-AutoWt
NET: 52340 LBS

CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	26.1700	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: _____ Weighmaster: _____

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

10-067

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

Cisco 051110-Greenwood
Tracking Number

857

J. Load Information

Note: Make additional copies of this page as necessary.

Load#: 1

Signature of transporter

5-20 — Date received
10.15 — Time received

290871 — Truck/Tractor registration
26.17 — Load size (cubic yards/tons)

Worcester Landfill — Receiving facility
5-20 — Date of shipment
8:40 — Time of shipment
V73865 — Trailer registration

79987

Load#: 2

Signature of transporter

5-20 — Date received
2:50 — Time received

290871 — Truck/Tractor registration
25.44 — Load size (cubic yards/tons)

Worcester landfill — Receiving facility
5-20 — Date of shipment
Time of shipment
V73865 — Trailer registration

Load#: _____

Signature of transporter

Date received — Time received

Truck/Tractor registration

Load size (cubic yards/tons)

Receiving facility

Date of shipment — Time of shipment

Trailer registration

K. Log Sheet Volume Information

5164 — Total volume this page (cubic yards/tons)
66746 — Total carried forward (cubic yards/tons)
71910 — Total carried forward and this page (cubic yards/tons)

Page _____ of _____

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 80040
DATE: 05/20/2010
TIME: 14:52 - 14:52

CUSTOMER: LI00809 / CISSCO(10064) P.O.:
HAULCUST: WO: 0 APPROVAL #: GROSS: 78100 LBS(-AutoWt
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL TARE: 33400 LBS(-AutoWt
TRUCK: LANDEEN774 TRAILER: NET: 44700 LBS
GENERATOR: P.CHEMICAL / PORTLANDPBBFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT: CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	22.3500	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: _____ Weighmaster: _____

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 79980
DATE: 05/20/2010
TIME: 09:24 - 09:24

CUSTOMER: LI00809 / CISSCO(10064) P.O.:
HAULCUST: WO: 0 APPROVAL #: GROSS: 77300 LBS(-AutoWt
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL TARE: 33400 LBS(-AutoWt
TRUCK: LANDEEN774 TRAILER: NET: 43900 LBS
GENERATOR: P.CHEMICAL / PORTLANDPBBFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT: CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	21.9500	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: _____ Weighmasters: _____

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

10.064

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

Cisco 051110-Greenwood
Tracking Number

774

J. Load Information

Note:
Make additional copies of this page as necessary.

Load#: _____

Kevin Prietzyka
Signature of transporter

Worcester
Receiving facility

5-20-10
Date received

7.25
Time received

5-20-10
Date of shipment

Time of shipment

29086-H
Truck/Tractor registration

Trailer registration

21.95
Load size (cubic yards/tons)

Load#: _____

Kevin Prietzyka
Signature of transporter

Worcester
Receiving facility

5-20-10
Date received

2.50
Time received

5-20-10
Date of shipment

Time of shipment

29086-H
Truck/Tractor registration

Trailer registration

22.35
Load size (cubic yards/tons)

Load#: _____

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

K. Log Sheet Volume Information

44.30
Total volume this page (cubic yards/tons)

62.316
Total carried forward (cubic yards/tons)

Page _____ of _____

67.46
Total carried forward and this page (cubic yards/tons)

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 80041
DATE: 05/20/2010
TIME: 14:59 - 14:59

CUSTOMER: LI00809 / CISSCO(10064)
HAULCUST: WO: 0 APPROVAL #:
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL
TRUCK: THOMAS28 TRAILER:
GENERATOR: P.CHEMICAL / PORTLANDPROFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT:

P.O.:
GROSS: 77500 LBS(-AutoWt
TARE: 29500 LBS(-AutoWt
NET: 48000 LBS

CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	24.0000	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: _____ Weighmaster: _____

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 80001
DATE: 05/20/2010
TIME: 11:55 - 11:55

CUSTOMER: LI00809 / CISSCO(10064)
HAULCUST: WO: 0 APPROVAL #:
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL
TRUCK: THOMAS28 TRAILER:
GENERATOR: P.CHEMICAL / PORTLANDPROFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT:

P.O.:
GROSS: 75440 LBS(-AutoWt
TARE: 29500 LBS(-AutoWt
NET: 45940 LBS

CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	22.9700	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: _____ Weighmaster: _____

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

CISCO 65110-GREENWOOD
Tracking Number

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

Thomas Trucking

J. Load Information

Note: Make additional copies of this page as necessary.

Load#: 1

Thomas Mayo
Signature of transporter

Worcester Landfill
Receiving facility

5-20-10 | 1155
Date received | Time received

5-20-10 | 1030
Date of shipment | Time of shipment

22914ACT
Truck/Tractor registration

Trailer registration

22.97
Load size (cubic yards/tons)

Ticket # 80001

Load#: 2

Thomas Mayo
Signature of transporter

Worcester Landfill
Receiving facility

5-20-10 | 300
Date received | Time received

5-20-10 | 1140
Date of shipment | Time of shipment

22914ACT
Truck/Tractor registration

Trailer registration

24.00
Load size (cubic yards/tons)

Load#: _____

Signature of transporter

Receiving facility

Date received | Time received

Date of shipment | Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

K. Log Sheet Volume Information

46.97
Total volume this page (cubic yards/tons)

576.19
Total carried forward (cubic yards/tons)

623.16
Total carried forward and this page (cubic yards/tons)

Page _____ of _____

News of Worcester Landfill
30 NippNapp Trail
Worcester, MA 01607
508-755-4604

TICKET: 80036
DATE: 05/20/2010
TIME: 14:38 - 14:38

CUSTOMER: LI00809 / CISSCO(10064) P.O.:
HAULCUST: WO: 0 APPROVAL #: GROSS: 77880 LBS(-AutoWt
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL TARE: 27200 LBS(-AutoWt
TRUCK: LANDEEN267 TRAILER: NET: 50680 LBS
GENERATOR: P.CHEMICAL / PORTLANDPROFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT: CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	25.3400	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: _____ Weighmaster: _____

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

Cisco 051110-Greenwood
Tracking Number
LTC 267

Note:
Make additional copies of this page as necessary.

J. Load Information

Load#: _____

Ceville
Signature of transporter

Greenwood — Worcester, MA
Receiving facility

5-20-10
Date received

2.35
Time received

5-20-10
Date of shipment

1:10
Time of shipment

34075-A
Truck/Tractor registration

Trailer registration

25.34
Load size (cubic yards/tons)

Load#: _____

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

Load#: _____

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

K. Log Sheet Volume Information

25.34
Total volume this page (cubic yards/tons)

550.85
Total carried forward (cubic yards/tons)

576.19
Total carried forward and this page (cubic yards/tons)

Page _____ of _____

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 00035
DATE: 05/20/2010
TIME: 14:26 - 14:26

CUSTOMER: LI00009 / CISSCO(10064)
HAULCUST: WO: 0 APPROVAL #:
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL
TRUCK: POROWSKI6 TRAILER:
GENERATOR: P.CHEMICAL / PORTLANDPBBFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT:

P.O.:
GROSS: 75560 LBS(-AutoWt
TARE: 27500 LBS(-AutoWt
NET: 48060 LBS

CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	24.0300	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: _____ Weighmaster: _____

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 79995
DATE: 05/20/2010
TIME: 11:19 - 11:19

CUSTOMER: LI00009 / CISSCO(10064)
HAULCUST: WO: 0 APPROVAL #:
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL
TRUCK: POROWSKI6 TRAILER:
GENERATOR: P.CHEMICAL / PORTLANDPBBFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT:

P.O.:
GROSS: 78420 LBS(-AutoWt
TARE: 27500 LBS(-AutoWt
NET: 50920 LBS

CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	25.4600	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: _____ Weighmaster: _____

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

10.064

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

Cisco 051110-Greenwood
Tracking Number

J. Load Information

CTO Potowski

Note:
Make additional copies of this page as necessary.

Load#: _____

Chris Pond
Signature of transporter

5-20-10
Date received

10:00
Time received

MA 38339
Truck/Tractor registration

25.46
Load size (cubic yards/tons)

Marc Caldwell
Receiving facility

5-20-10
Date of shipment

11.20
Time of shipment

Trailer registration

Load#: _____

Chris Pond
Signature of transporter

5-20-10
Date received

2.30
Time received

MA 38339
Truck/Tractor registration

24.03
Load size (cubic yards/tons)

Marc Caldwell
Receiving facility

5-20-10
Date of shipment

Time of shipment

Trailer registration

Load#: _____

Signature of transporter

Date received

Time received

Truck/Tractor registration

Load size (cubic yards/tons)

Receiving facility

Date of shipment

Time of shipment

Trailer registration

K. Log Sheet Volume Information

49.49
Total volume this page (cubic yards/tons)

501.36
Total carried forward (cubic yards/tons)

550.85
Total carried forward and this page (cubic yards/tons)

Page _____ of _____

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 80032
DATE: 05/20/2010
TIME: 14:12 - 14:12

CUSTOMER: LI00809 / CISSCO(10064)
HAULCUST: WO: 0 APPROVAL #:
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL
TRUCK: LOMBARD10 TRAILER:
GENERATOR: P.CHEMICAL / PORTLANDPROFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT:

P.O.:
GROSS: 76320 LBS(-AutoWt
TARE: 28700 LBS(-AutoWt
NET: 47620 LBS

CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	23.8100	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: _____ Weighmaster: _____

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 79970
DATE: 05/20/2010
TIME: 08:55 - 08:55

CUSTOMER: LI00809 / CISSCO(10064)
HAULCUST: WO: 0 APPROVAL #:
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL
TRUCK: LOMBARD10 TRAILER:
GENERATOR: P.CHEMICAL / PORTLANDPROFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT:

P.O.:
GROSS: 76620 LBS(-AutoWt
TARE: 28700 LBS(-AutoWt
NET: 47920 LBS

CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	23.9600	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: _____ Weighmaster: _____

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

Cisco 051110-Greenwood
Tracking Number

J. Load Information

Note:
Make additional copies of this page as necessary.

Load#: 1

Signature of transporter

5/20/10 — Date received
9:00 am — Time received
45309A — Truck/Tractor registration
23.96 — Load size (cubic yards/tons)

Greenwood Street Landfill — Receiving facility
5/20/10 — Date of shipment
7:30 — Time of shipment
Trailer registration

Load#: 2

Signature of transporter

5/20/10 — Date received
2:00 pm — Time received
45309A — Truck/Tractor registration
23.81 — Load size (cubic yards/tons)

Greenwood Street Landfill — Receiving facility
5/20/10 — Date of shipment
12:30 PM — Time of shipment
Trailer registration

Load#: _____

Signature of transporter — Receiving facility

Date received — Time received — Date of shipment — Time of shipment

Truck/Tractor registration — Trailer registration

Load size (cubic yards/tons)

K. Log Sheet Volume Information

47.77 — Total volume this page (cubic yards/tons)
453.59 — Total carried forward (cubic yards/tons)
501.36 — Total carried forward and this page (cubic yards/tons)

Page _____ of _____

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 80028
DATE: 05/20/2010
TIME: 13:54 - 13:54

CUSTOMER: LI00809 / CISSCO(10064)
HAULCUST: WO: 0 APPROVAL #:
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL
TRUCK: TEMA20 TRAILER:
GENERATOR: P.CHEMICAL / PORTLANDPROFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT:

P.O.:
GROSS: 87540 LBS(-AutoWt
TARE: 29100 LBS(-AutoWt
NET: 58440 LBS

CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	29.2200	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: _____ Weighmaster: _____

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 79906
DATE: 05/20/2010
TIME: 09:41 - 09:41

CUSTOMER: LI00809 / CISSCO(10064)
HAULCUST: WO: 0 APPROVAL #:
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL
TRUCK: TEMA20 TRAILER:
GENERATOR: P.CHEMICAL / PORTLANDPROFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT:

P.O.:
GROSS: 82840 LBS(-AutoWt
TARE: 29100 LBS(-AutoWt
NET: 53740 LBS

CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	26.8700	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: _____ Weighmaster: _____

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

Cisco 051110-Greenwood
Tracking Number

J. Load Information

Note:
Make additional copies of this page as necessary.

Load#: 1

Mark Wolf
Signature of transporter

5/20/10 — 9.40
Date received — Time received

4504 A
Truck/Tractor registration

26.87
Load size (cubic yards/tons)

Greenwood Street Landfill
Receiving facility

6/10/20 — 8:30
Date of shipment — Time of shipment

Trailer registration

Load#: 2

Mark Wolf
Signature of transporter

5/26/10 — 2.00
Date received — Time received

4504 A
Truck/Tractor registration

27.22
Load size (cubic yards/tons)

Greenwood Street Landfill
Receiving facility

5/26/10 — 12:30
Date of shipment — Time of shipment

Trailer registration

Load#: _____

Signature of transporter

Date received — Time received

Truck/Tractor registration

Load size (cubic yards/tons)

Receiving facility

Date of shipment — Time of shipment

Trailer registration

K. Log Sheet Volume Information

5609
Total volume this page (cubic yards/tons)

39750
Total carried forward (cubic yards/tons)

45359
Total carried forward and this page (cubic yards/tons)

Page _____ of _____

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 79983
DATE: 05/20/2010
TIME: 09:30 - 09:30

CUSTOMER: LI00809 / CISSCO(10064)
HAULCUST: WO: 0 APPROVAL #:
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL
TRUCK: ALB2 TRAILER:
GENERATOR: P.CHEMICAL / PORTLANDPBBFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT:

P.O.:
GROSS: 85680 LBS(-AutoWt
TARE: 26400 LBS(-AutoWt
NET: 59280 LBS

CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	29.6400	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: _____ Weighmaster: _____

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 00025
DATE: 05/20/2010
TIME: 13:47 - 13:47

CUSTOMER: LI00809 / CISSCO(10064)
HAULCUST: WO: 0 APPROVAL #:
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL
TRUCK: ALB2 TRAILER:
GENERATOR: P.CHEMICAL / PORTLANDPBBFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT:

P.O.:
GROSS: 90960 LBS(-AutoWt
TARE: 26400 LBS(-AutoWt
NET: 64560 LBS

CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	32.2800	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: _____ Weighmaster: _____

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

Cisco 051110-Greenwood
Tracking Number

ALB 2

Note:
Make additional copies of this page as necessary.

J. Load Information

Load#: 1

Signature of transporter

5/20/10 — Date received
930 — Time received
Greenwood Street Landfill — Receiving facility
5/20/10 — Date of shipment
Time of shipment
46836-A — Truck/Tractor registration
Trailer registration
29.64 — Load size (cubic yards/tons)

Load#: 2

Signature of transporter

5/20/10 — Date received
1150 — Time received
Greenwood Street Landfill — Receiving facility
5/20/10 — Date of shipment
Time of shipment
46836-A — Truck/Tractor registration
Trailer registration
32.28 — Load size (cubic yards/tons)

Load#: _____

Signature of transporter — Receiving facility

Date received — Time received — Date of shipment — Time of shipment

Truck/Tractor registration — Trailer registration

Load size (cubic yards/tons)

K. Log Sheet Volume Information

61.92 — Total volume this page (cubic yards/tons)

335.58 — Total carried forward (cubic yards/tons)

397.50 — Total carried forward and this page (cubic yards/tons)

Page 1 of 1

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 80024
DATE: 05/20/2010
TIME: 13:35 - 13:35

CUSTOMER: LI00809 / CISSCO(10064)
HAULCUST: WO: 0 APPROVAL #:
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL
TRUCK: LANDEEN933 TRAILER:
GENERATOR: P.CHEMICAL / PORTLANDPROFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT:

P.O.:
GROSS: 77980 LBS(-AutoWt
TARE: 29400 LBS(-AutoWt
NET: 48580 LBS

CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	24.2900	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: _____ Weighmaster: _____

IN: BECKY B: PCSCALE-WO OUT: BECKY E: PCSCALE-WO

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

Cisco 051110-Greenwood
Tracking Number

Note:
Make additional copies of this page as necessary.

J. Load Information

Load#: 1

Signature of transporter

Receiving facility: Greenwood St Landfill

Date received: 5-20-10 Time received: 1.35

Date of shipment: 5-20-10 Time of shipment: 12:15

Truck/Tractor registration: 34650.A

Trailer registration

Load size (cubic yards/tons): 24.29

Load#: _____

Signature of transporter

Receiving facility

Date received _____ Time received _____

Date of shipment _____ Time of shipment _____

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

Load#: _____

Signature of transporter

Receiving facility

Date received _____ Time received _____

Date of shipment _____ Time of shipment _____

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

K. Log Sheet Volume Information

Total volume this page (cubic yards/tons): 24.29

Total carried forward (cubic yards/tons): 311.76

Total carried forward and this page (cubic yards/tons): 335.58

Page _____ of _____

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 80018
DATE: 05/20/2010
TIME: 13:17 - 13:17

CUSTOMER: LI00809 / CISSCO(10064)
HAULCUST: WO: 0 APPROVAL #:
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL
TRUCK: TAZ1 TRAILER:
GENERATOR: P.CHEMICAL / PORTLANDPROFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT:

P.O.:
GROSS: 83280 LBS(-AutoWt
TARE: 26100 LBS(-AutoWt
NET: 57180 LBS

CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	28.5900	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: _____ Weighmaster: _____

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 79959
DATE: 05/20/2010
TIME: 08:17 - 08:17

CUSTOMER: LI00809 / CISSCO(10064)
HAULCUST: WO: 0 APPROVAL #:
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL
TRUCK: TAZ1 TRAILER:
GENERATOR: P.CHEMICAL / PORTLANDPROFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT:

P.O.:
GROSS: 78440 LBS(-AutoWt
TARE: 26100 LBS(-AutoWt
NET: 52340 LBS

CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	26.1700	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: _____ Weighmaster: _____

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

10.069

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

Cisco 051110-Greenwood
Tracking Number

TAZ-1

J. Load Information

Note:
Make additional copies of this page as necessary.

Load#: 1

Signature of transporter

5-20-10
Date received

Time received

43490 A
Truck/Tractor registration #

26.17
Load size (cubic yards/tons)

Greenwood
Receiving facility

5-20-10
Date of shipment

8.15
Time of shipment

Trailer registration

Load#: 2

Signature of transporter

5-20-10
Date received

Time received

43490 A
Truck/Tractor registration #

28.59
Load size (cubic yards/tons)

Greenwood
Receiving facility

5-20-10
Date of shipment

1.15
Time of shipment

Trailer registration

Load#: _____

Signature of transporter

Date received

Time received

Truck/Tractor registration

Load size (cubic yards/tons)

Receiving facility

Date of shipment

Time of shipment

Trailer registration

K. Log Sheet Volume Information

Total Tons 54.76
Total volume this page (cubic yards/tons)

257.14
Total carried forward (cubic yards/tons)

311.90
Total carried forward and this page (cubic yards/tons)

Page _____ of _____

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 80015
DATE: 05/20/2010
TIME: 13:07 - 13:07

CUSTOMER: LI00809 / CISSCO(10064)
HAULCUST: WO: 0 APPROVAL #:
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL
TRUCK: TAZ2 TRAILER:
GENERATOR: P.CHEMICAL / PORTLANDPROFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT:

P.O.:
GROSS: 84100 LBS(-AutoWt
TARE: 27800 LBS(-AutoWt
NET: 56300 LBS

CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	28.1500	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: _____ Weighmaster: _____

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 79955
DATE: 05/20/2010
TIME: 08:04 - 08:04

CUSTOMER: LI00809 / CISSCO(10064)
HAULCUST: WO: 0 APPROVAL #:
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL
TRUCK: TAZ2 TRAILER:
GENERATOR: P.CHEMICAL / PORTLANDPROFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT:

P.O.:
GROSS: 78100 LBS(-AutoWt
TARE: 27800 LBS(-AutoWt
NET: 50300 LBS

CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	25.1900	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: _____ Weighmaster: _____

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

Cisco 051110-Greenwood
Tracking Number

DAZ 2

J. Load Information

Note:
Make additional copies of this page as necessary.

Load#: 1

Signature of transporter

5-20-10 — Date received
7:00 AM — Time received

#2-44009A — Truck/Tractor registration
#79955 — Load size (cubic yards/tons) 25.19

Worcester Landfill MA — Receiving facility
5-20-10 — Date of shipment
8:05 AM — Time of shipment
Trailer registration

Load#: 2

Signature of transporter

5-20-10 — Date received
11:45 AM — Time received

#2-44009A — Truck/Tractor registration
28.15 — Load size (cubic yards/tons)

Worcester Landfill, MA — Receiving facility
5-20-10 — Date of shipment
1:10 PM — Time of shipment
Trailer registration

Load#: _____

Signature of transporter

Date received — Time received

Truck/Tractor registration

Load size (cubic yards/tons)

Receiving facility

Date of shipment — Time of shipment

Trailer registration

K. Log Sheet Volume Information

53.34 — Total volume this page (cubic yards/tons)
203.80 — Total carried forward (cubic yards/tons)
257.14 — Total carried forward and this page (cubic yards/tons)

Page 1 of 1

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 79967
DATE: 05/20/2010
TIME: 08:45 - 08:45

CUSTOMER: LI00809 / CISSCO(10064)
HAULCUST: WO: 0 APPROVAL #:
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL
TRUCK: SRSXXX TRAILER:
GENERATOR: P.CHEMICAL / PORTLANDPROFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT:

P.O.:
GROSS: 88800 LBS(-AutoWt
TARE: 31300 LBS(-AutoWt
NET: 57500 LBS

CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	28.7500	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: _____ Weighmaster: _____

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 80007
DATE: 05/20/2010
TIME: 12:40 - 12:40

CUSTOMER: LI00809 / CISSCO(10064)
HAULCUST: WO: 0 APPROVAL #:
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL
TRUCK: SRSXXX TRAILER:
GENERATOR: P.CHEMICAL / PORTLANDPROFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT:

P.O.:
GROSS: 77060 LBS(-AutoWt
TARE: 31300 LBS(-AutoWt
NET: 45760 LBS

CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	22.8800	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: _____ Weighmaster: _____

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

10.069

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

Cisco 051110-Greenwood
Tracking Number

SRS XXX

J. Load Information

Note: Make additional copies of this page as necessary.

Load#: 1

Signature of transporter

Date received: 5-20-10 | Time received: 7:15

Truck/Tractor registration

Load size (cubic yards/tons): 28.75

Receiving facility: Worcester

Date of shipment: 5-20-10 | Time of shipment: 7:16

Trailer registration: V91518

Load#: 2

Signature of transporter

Date received: 5-20-10 | Time received: 12:40

Truck/Tractor registration: 479744

Load size (cubic yards/tons): 22.88

Receiving facility: Worcester

Date of shipment: 5-20-10 | Time of shipment:

Trailer registration: V91518

Load#: 3

Signature of transporter

Date received: 5-20-10 | Time received:

Truck/Tractor registration: 479744

Load size (cubic yards/tons):

Receiving facility: Worcester

Date of shipment: 5-20-10 | Time of shipment:

Trailer registration: V91518

K. Log Sheet Volume Information

Total volume this page (cubic yards/tons): 51.63

Total carried forward (cubic yards/tons): 152.12

Total carried forward and this page (cubic yards/tons): 203.80

Page _____ of _____

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 80008
DATE: 05/20/2010
TIME: 12:42 - 12:42

CUSTOMER: LI00809 / CISSCO(10064)
HAULCUST: WO: 0 APPROVAL #:
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL
TRUCK: PETRO2 TRAILER:
GENERATOR: P.CHEMICAL / PORTLANDPRBFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT:

P.O.:
GROSS: 79660 LBS(-AutoWt
TARE: 27700 LBS(-AutoWt
NET: 51960 LBS

CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	25.9800	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: _____ Weighmaster: _____

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 79958
DATE: 05/20/2010
TIME: 08:10 - 08:10

CUSTOMER: LI00809 / CISSCO(10064)
HAULCUST: WO: 0 APPROVAL #:
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL
TRUCK: PETRO2 TRAILER:
GENERATOR: P.CHEMICAL / PORTLANDPRBFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT:

P.O.:
GROSS: 74120 LBS(-AutoWt
TARE: 27700 LBS(-AutoWt
NET: 46420 LBS

CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	23.2100	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: _____ Weighmaster: _____

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

Cisco 051110-Greenwood
Tracking Number
PSI #02

J. Load Information

Note:
Make additional copies of this page as necessary.

Load#: 1

Signature of transporter

Worcester Land Fill
Receiving facility

5/20/10
Date received

8:10
Time received

5/20/10
Date of shipment

6:30
Time of shipment

45679-A
Truck/Tractor registration

Trailer registration

23.21
Load size (cubic yards/tons)

Load#: 2

Signature of transporter

Worcester Land Fill
Receiving facility

5/20/10
Date received

12:45
Time received

5/20/10
Date of shipment

11:00
Time of shipment

45679-A
Truck/Tractor registration

Trailer registration

25.98
Load size (cubic yards/tons)

Load#: _____

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

K. Log Sheet Volume Information

49.19
Total volume this page (cubic yards/tons)

102.98
Total carried forward (cubic yards/tons)

152.17
Total carried forward and this page (cubic yards/tons)

Page _____ of _____

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 80162
DATE: 05/21/2010
TIME: 14:47 - 14:47

CUSTOMER: LI00809 / CISSCO(10064) P.O.:
HAULCUST: WO: 0 APPROVAL #: GROSS: 73120 LBS(-AutoWt
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL TARE: 29500 LBS(-AutoWt
TRUCK: THOMAS28 TRAILER: NET: 43620 LBS
GENERATOR: P.CHEMICAL / PORTLANDPROFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT: CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	21.8100	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: _____ Weighmaster: _____

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 80110
DATE: 05/21/2010
TIME: 11:41 - 11:41

CUSTOMER: LI00809 / CISSCO(10064) P.O.:
HAULCUST: WO: 0 APPROVAL #: GROSS: 76180 LBS(-AutoWt
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL TARE: 29500 LBS(-AutoWt
TRUCK: THOMAS28 TRAILER: NET: 46680 LBS
GENERATOR: P.CHEMICAL / PORTLANDPROFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT: CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	23.3400	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: _____ Weighmaster: _____

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

Cisco 051110-Greenwood
Tracking Number

Thomas Trucking

J. Load Information

Note:
Make additional copies of this page as necessary.

Load#: 1

Thomas Mayo
Signature of transporter

5-21-10
Date received

1140
Time received

22914ACT
Truck/Tractor registration

23.34
Load size (cubic yards/tons)

Worcester Landfill
Receiving facility

5-21-10
Date of shipment

1020
Time of shipment

Trailer registration

Ticket #80110

Load#: 2

Thomas Mayo
Signature of transporter

5-21-10
Date received

250
Time received

22914ACT
Truck/Tractor registration

21.81
Load size (cubic yards/tons)

Worcester Landfill
Receiving facility

5-21-10
Date of shipment

125
Time of shipment

Trailer registration

Load#: _____

Signature of transporter

Date received

Time received

Truck/Tractor registration

Load size (cubic yards/tons)

Receiving facility

Date of shipment

Time of shipment

Trailer registration

K. Log Sheet Volume Information

45.16
Total volume this page (cubic yards/tons)

472.38
Total carried forward (cubic yards/tons)

517.53
Total carried forward and this page (cubic yards/tons)

Page 1 of 1

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 00161
DATE: 05/21/2010
TIME: 14:41 - 14:41

CUSTOMER: LI00809 / CISSCO(10064)
HAULCUST: WO: 0 APPROVAL #:
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL
TRUCK: LANDEEN859 TRAILER:
GENERATOR: P.CHEMICAL / PORTLANDPROFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT:

P.O.:
GROSS: 76860 LBS(-AutoWt
TARE: 31200 LBS(-AutoWt
NET: 45660 LBS

CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	22.8300	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: _____ Weighmaster: _____

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 00091
DATE: 05/21/2010
TIME: 09:40 - 09:40

CUSTOMER: LI00809 / CISSCO(10064)
HAULCUST: WO: 0 APPROVAL #:
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL
TRUCK: LANDEEN859 TRAILER:
GENERATOR: P.CHEMICAL / PORTLANDPROFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT:

P.O.:
GROSS: 79480 LBS(-AutoWt
TARE: 31200 LBS(-AutoWt
NET: 48280 LBS

CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	24.1400	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: _____ Weighmaster: _____

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

10-064

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

Cisco 051110-Greenwood
Tracking Number

LTC 859

J. Load Information

Note:
Make additional copies of this page as necessary.

Load#: 1

Signature of transporter

Worcester Landfill
Receiving facility

5-2-1 — Date received
9.45 — Time received
5-2-1 — Date of shipment
Time of shipment

22087 A
Truck/Tractor registration
V73868
Trailer registration

24.14
Load size (cubic yards/tons)

Load#: 2

Signature of transporter

Worcester Landfill
Receiving facility

5-2-1 — Date received
2.40 — Time received
5-2-1 — Date of shipment
Time of shipment

22087A
Truck/Tractor registration
V73868
Trailer registration

22.83
Load size (cubic yards/tons)

Load#: _____

Signature of transporter

Receiving facility

Date received
Time received
Date of shipment
Time of shipment

Truck/Tractor registration
Trailer registration

Load size (cubic yards/tons)

K. Log Sheet Volume Information

46.97
Total volume this page (cubic yards/tons)

425.41
Total carried forward (cubic yards/tons)

472.38
Total carried forward and this page (cubic yards/tons)

Page _____ of _____

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 80153
DATE: 05/21/2010
TIME: 14:20 - 14:20

CUSTOMER: LI00809 / CISSCO(10064) P.O.:
HAULCUST: WO: 0 APPROVAL #: GROSS: 89620 LBS(-AutoWt
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL TARE: 26400 LBS(-AutoWt
TRUCK: ALB1 TRAILER: NET: 63220 LBS
GENERATOR: P.CHEMICAL / PORTLANDPBWFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT: CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	31.6100	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: _____ Weighmaster: _____

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

Cisco 051110-Greenwood
Tracking Number

J. Load Information

te:
ake additional
opies of this page
as necessary.

Load#: 1

Signature of transporter

Greenwood Street Landfill
Receiving facility

5/21/10
Date received

2:20
Time received

5.21.10
Date of shipment

Time of shipment

42724A
Truck/Tractor registration

Trailer registration

31.61
Load size (cubic yards/tons)

Load#: _____

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

Load#: _____

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

K. Log Sheet Volume Information

31.61
Total volume this page (cubic yards/tons)

393.80
Total carried forward (cubic yards/tons)

425.41
Total carried forward and this page (cubic yards/tons)

Page _____ of _____

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 80154
DATE: 05/21/2010
TIME: 14:23 - 14:23

CUSTOMER: LI00809 / CISSCO(10064)
HAULCUST: WO: 0 APPROVAL #:
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL
TRUCK: LANDEEN933 TRAILER:
GENERATOR: P.CHEMICAL / PORTLANDPROFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT:

P.O.:
GROSS: 67980 LBS(-AutoWt
TARE: 29400 LBS(-AutoWt
NET: 38580 LBS

CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	19.2900	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: _____ Weighmaster: _____

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 80087
DATE: 05/21/2010
TIME: 09:20 - 09:20

CUSTOMER: LI00809 / CISSCO(10064)
HAULCUST: WO: 0 APPROVAL #:
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL
TRUCK: LANDEEN933 TRAILER:
GENERATOR: P.CHEMICAL / PORTLANDPROFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT:

P.O.:
GROSS: 77960 LBS(-AutoWt
TARE: 29400 LBS(-AutoWt
NET: 48560 LBS

CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	24.2800	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: _____ Weighmaster: _____

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

10-064

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

Cisco 051110-Greenwood
Tracking Number

LTC 933

J. Load Information

Note:
Make additional copies of this page as necessary.

Load#: 1

Signature of transporter

Greenwood St Landfill
Receiving facility

5-21-10 — Date received
9.00 — Time received
5-21-10 — Date of shipment
8:00 AM — Time of shipment

3465 A
Truck/Tractor registration

Trailer registration

24.28
Load size (cubic yards/tons)

Load#: 2

Signature of transporter

Greenwood St. Landfill
Receiving facility

5-21-10 — Date received
2.30 — Time received
5-21-10 — Date of shipment

Time of shipment

3465 A
Truck/Tractor registration

Trailer registration

19.29
Load size (cubic yards/tons)

Load#: _____

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

K. Log Sheet Volume Information

44.57
Total volume this page (cubic yards/tons)

349.23
Total carried forward (cubic yards/tons)

393.80
Total carried forward and this page (cubic yards/tons)

Page _____ of _____

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 80146
DATE: 05/21/2010
TIME: 14:01 - 14:01

CUSTOMER: LI00809 / CISSCO(10064)
HAULCUST: WO: 0 APPROVAL #:
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL
TRUCK: LANDEEN774 TRAILER:
GENERATOR: P.CHEMICAL / PORTLANDPRBFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT:

P.O.:
GROSS: 84260 LBS(-AutoWt
TARE: 33400 LBS(-AutoWt
NET: 50860 LBS

CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	25.4300	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: Kevin Riechelm Weighmaster:

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 80084
DATE: 05/21/2010
TIME: 09:12 - 09:12

CUSTOMER: LI00809 / CISSCO(10064)
HAULCUST: WO: 0 APPROVAL #:
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL
TRUCK: LANDEEN774 TRAILER:
GENERATOR: P.CHEMICAL / PORTLANDPRBFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT:

P.O.:
GROSS: 80760 LBS(-AutoWt
TARE: 33400 LBS(-AutoWt
NET: 47360 LBS

CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	23.6800	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: Kevin Riechelm Weighmaster:

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

10-024

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

Cisco 051110-Greenwood
Tracking Number

LDC. 724

J. Load Information

dditional
of this page
cessary.

Load#: _____

Kevin Quiet
Signature of transporter

Worcester
Receiving facility

5-21-10
Date received

9:10
Time received

5-21-10
Date of shipment

Time of shipment

29085-H
Truck/Tractor registration

Trailer registration

26.68
Load size (cubic yards/tons)

10

Load#: _____

Kevin Quiet
Signature of transporter

Worcester
Receiving facility

5-21-10
Date received

2:00
Time received

5-21-10
Date of shipment

Time of shipment

29085-H
Truck/Tractor registration

Trailer registration

25.43
Load size (cubic yards/tons)

10

Load#: _____

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

K. Log Sheet Volume Information

52.11
Total volume this page (cubic yards/tons)

27.12
Total carried forward (cubic yards/tons)

Page _____ of _____

34.23
Total carried forward and this page (cubic yards/tons)

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 80148
DATE: 05/21/2010
TIME: 14:05 - 14:05

CUSTOMER: LI00809 / CISSCO(10064) P.O.:
HAULCUST: WO: 0 APPROVAL #: GROSS: 70420 LBS(-AutoWt
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL TARE: 27700 LBS(-AutoWt
TRUCK: KAY3 TRAILER: NET: 42720 LBS
GENERATOR: P.CHEMICAL / PORTLANDPBBFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT: CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	21.3600	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: _____ Weighmaster: _____

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

Cisco 051110-Greenwood
Tracking Number

J. Load Information

Note:
Make additional copies of this page as necessary.

Load#: _____

Signature of transporter

Greenwood St Landfill
Receiving facility

5/21
Date received

12:25
Time received

5.21
Date of shipment

2.05
Time of shipment

39635A
Truck/Tractor registration

Trailer registration

21.36
Load size (cubic yards/tons)

Load#: _____

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

Load#: _____

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

K. Log Sheet Volume Information

21.36
Total volume this page (cubic yards/tons)

275.76
Total carried forward (cubic yards/tons)

297.12
Total carried forward and this page (cubic yards/tons)

Page _____ of _____

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 80151
DATE: 05/21/2010
TIME: 14:09 - 14:09

CUSTOMER: LI00809 / CISSCO(10064) P.O.:
HAULCUST: WO: 0 APPROVAL #: GROSS: 84860 LBS(-AutoWt
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL TARE: 26400 LBS(-AutoWt
TRUCK: ALB2 TRAILER: NET: 58460 LBS
GENERATOR: P.CHEMICAL / PORTLANDPBBFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT: CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	29.2300	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: _____ Weighmaster: _____

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

Cisco 051110-Greenwood
Tracking Number

J. Load Information

Note:
Make additional copies of this page as necessary.

Load#: 1

Signature of transporter

Greenwood Street Landfill
Receiving facility

5/21/10
Date received

2.10
Time received

5.21.10
Date of shipment

Time of shipment

46836-A
Truck/Tractor registration

Trailer registration

29.23
Load size (cubic yards/tons)

Load#: _____

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

Load#: _____

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

K. Log Sheet Volume Information

29.23
Total volume this page (cubic yards/tons)

246.53
Total carried forward (cubic yards/tons)

275.76
Total carried forward and this page (cubic yards/tons)

Page 1 of 1

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 80138
DATE: 05/21/2010
TIME: 13:32 - 13:32

CUSTOMER: LI00809 / CISSCO(10064) P.O.:
HAULCUST: WO: 0 APPROVAL #: GROSS: 78060 LBS(-AutoWt
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL TARE: 27200 LBS(-AutoWt
TRUCK: LANDEEN267 TRAILER: NET: 50860 LBS
GENERATOR: P.CHEMICAL / PORTLANDPROFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT: CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	25.4300	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: _____ Weighmaster: _____

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 80078
DATE: 05/21/2010
TIME: 08:54 - 08:54

CUSTOMER: LI00809 / CISSCO(10064) P.O.:
HAULCUST: WO: 0 APPROVAL #: GROSS: 75700 LBS(-AutoWt
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL TARE: 27200 LBS(-AutoWt
TRUCK: LANDEEN267 TRAILER: NET: 48500 LBS
GENERATOR: P.CHEMICAL / PORTLANDPROFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT: CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	24.2500	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: _____ Weighmaster: _____

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

10.064

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

Cisco 051110-Greenwood
Tracking Number
LTC 267

J. Load Information

Note:
Make additional copies of this page as necessary.

Load#: _____

Camille		Greenwood	Worcester MA
Signature of transporter		Receiving facility	
5-21-10	8 47	5-21-10	7. 30
Date received	Time received	Date of shipment	Time of shipment
34075-A			
Truck/Tractor registration		Trailer registration	
24.25			
Load size (cubic yards/tons)			

Load#: _____

Camille		Greenwood	Worcester MA
Signature of transporter		Receiving facility	
5-21-10	1 30	5-21-10	
Date received	Time received	Date of shipment	Time of shipment
34075-A			
Truck/Tractor registration		Trailer registration	
25.43			
Load size (cubic yards/tons)			

Load#: _____

Signature of transporter		Receiving facility	
Date received	Time received	Date of shipment	Time of shipment
Truck/Tractor registration		Trailer registration	
Load size (cubic yards/tons)			

K. Log Sheet Volume Information

4968	Total volume this page (cubic yards/tons)
19685	Total carried forward (cubic yards/tons)
24653	Total carried forward and this page (cubic yards/tons)

Page _____ of _____

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 80132
DATE: 05/21/2010
TIME: 13:01 - 13:01

CUSTOMER: LI00009 / CISSCO(10064)
HAULCUST: WO: 0 APPROVAL #:
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL
TRUCK: CENTRAL5 TRAILER:
GENERATOR: P.CHEMICAL / PORTLANDPRBFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT:

P.O.:
GROSS: 77900 LBS(-AutoWt
TARE: 27800 LBS(-AutoWt
NET: 50100 LBS

CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	25.0500	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: _____ Weighmaster: _____

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 80065
DATE: 05/21/2010
TIME: 08:21 - 08:21

CUSTOMER: LI00009 / CISSCO(10064)
HAULCUST: WO: 0 APPROVAL #:
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL
TRUCK: CENTRAL5 TRAILER:
GENERATOR: P.CHEMICAL / PORTLANDPRBFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT:

P.O.:
GROSS: 70520 LBS(-AutoWt
TARE: 27800 LBS(-AutoWt
NET: 42720 LBS

CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	21.3600	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Drivers: _____ Weighmaster: _____

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

Cisco 051110-Greenwood
Tracking Number

Central 5

J. Load Information

Note:
Make additional copies of this page as necessary.

Load#: 1

Clay Hauler
Signature of transporter

Greenwood
Receiving facility

5-21
Date received

8.20
Time received

5-21
Date of shipment

Time of shipment

43043A
Truck/Tractor registration

Trailer registration

21.36
Load size (cubic yards/tons)

Load#:

Clay Hauler
Signature of transporter

Greenwood
Receiving facility

5-21
Date received

1.00
Time received

5-21
Date of shipment

Time of shipment

43043A
Truck/Tractor registration

Trailer registration

25.05
Load size (cubic yards/tons)

Load#: _____

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

K. Log Sheet Volume Information

46.41
Total volume this page (cubic yards/tons)

150.74
Total carried forward (cubic yards/tons)

196.85
Total carried forward and this page (cubic yards/tons)

Page _____ of _____

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 00074
DATE: 05/21/2010
TIME: 08:45 - 08:45

CUSTOMER: LI00809 / CISSCO(10064)
HAULCUST: WO: 0 APPROVAL #:
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL
TRUCK: LOMBARD10 TRAILER:
GENERATOR: P.CHEMICAL / PORTLANDPRBFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT:

P.O.:
GROSS: 78240 LBS(-AutoWt
TARE: 28700 LBS(-AutoWt
NET: 49540 LBS

CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	24.7700	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: _____ Weighmaster: _____

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 00135
DATE: 05/21/2010
TIME: 13:09 - 13:09

CUSTOMER: LI00809 / CISSCO(10064)
HAULCUST: WO: 0 APPROVAL #:
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL
TRUCK: LOMBARD10 TRAILER:
GENERATOR: P.CHEMICAL / PORTLANDPRBFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT:

P.O.:
GROSS: 77540 LBS(-AutoWt
TARE: 28700 LBS(-AutoWt
NET: 48840 LBS

CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	24.4200	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: _____ Weighmaster: _____

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

10.064

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

Cisco 051110-Greenwood
Tracking Number

Lombard 10

J. Load Information

Note:
Make additional copies of this page as necessary.

Load#: 1

Signature of transporter

Receiving facility: Greenwood

Date received: 5/21/10 — Time received: 8:45 am

Date of shipment: 5/21/10 — Time of shipment: 7:30 am

Truck/Tractor registration: 45309A

Trailer registration

Load size (cubic yards/tons): 24.77

Load#: 2

Signature of transporter

Receiving facility: Greenwood

Date received: 5/21/10 — Time received: 1:15

Date of shipment: 5/21/10 — Time of shipment: 12:00

Truck/Tractor registration: 45309A

Trailer registration

Load size (cubic yards/tons): 24.42

Load#: _____

Signature of transporter

Receiving facility

Date received — Time received

Date of shipment — Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

K. Log Sheet Volume Information

Total volume this page (cubic yards/tons): 49.19

Total carried forward (cubic yards/tons): 101.25

Total carried forward and this page (cubic yards/tons): 150.44

Page _____ of _____

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 80090
DATE: 05/21/2010
TIME: 09:36 - 09:36

CUSTOMER: LI00009 / CISSCO(10064)
HAULCUST: WO: 0 APPROVAL #:
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL
TRUCK: LM65 TRAILER:
GENERATOR: P.CHEMICAL / PORTLANDPBBFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT:

P.O.:
GROSS: 73000 LBS(-AutoWt
TARE: 28400 LBS(-AutoWt
NET: 44600 LBS

CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	22.3400	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: _____ Weighmaster: _____

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 80137
DATE: 05/21/2010
TIME: 13:26 - 13:26

CUSTOMER: LI00009 / CISSCO(10064)
HAULCUST: WO: 0 APPROVAL #:
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL
TRUCK: LM65 TRAILER:
GENERATOR: P.CHEMICAL / PORTLANDPBBFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT:

P.O.:
GROSS: 76700 LBS(-AutoWt
TARE: 28400 LBS(-AutoWt
NET: 48300 LBS

CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	24.1500	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: _____ Weighmaster: _____

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

Cisco 051110-Greenwood
Tracking Number

J. Load Information

Note:
Make additional copies of this page as necessary.

Load#: _____

J Dafo
Signature of transporter

Greenwood Street Landfill
Receiving facility

9.40
Date received

Time received

5.21.10
Date of shipment

Time of shipment

45760A
Truck/Tractor registration

Trailer registration

22.34
Load size (cubic yards/tons)

Load#: _____

J Dafo
Signature of transporter

Greenwood Street Landfill
Receiving facility

1.30
Date received

Time received

5.21.10
Date of shipment

Time of shipment

45760A
Truck/Tractor registration

Trailer registration

24.15
Load size (cubic yards/tons)

Load#: _____

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

K. Log Sheet Volume Information

46.49
Total volume this page (cubic yards/tons)

5476
Total carried forward (cubic yards/tons)

Page _____ of _____

101.25
Total carried forward and this page (cubic yards/tons)

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 00130
DATE: 05/21/2010
TIME: 12:56 - 12:56

CUSTOMER: LI00009 / CISSCO(10064)
HAULCUST: WO: 0 APPROVAL #:
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL
TRUCK: TAZ2 TRAILER:
GENERATOR: P.CHEMICAL / PORTLANDPROFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT:

P.O.:
GROSS: 82560 LBS(-AutoWt
TARE: 27800 LBS(-AutoWt
NET: 54760 LBS

CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	27.3000	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: _____ Weighmaster: _____

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

News of Worcester Landfill
30 NippNapp Trail
Worcester,MA 01607
508-755-4604

TICKET: 00070
DATE: 05/21/2010
TIME: 08:35 - 08:35

CUSTOMER: LI00009 / CISSCO(10064)
HAULCUST: WO: 0 APPROVAL #:
ORIGIN: P.CHEMICAL / PORTLAND CHEMICAL
TRUCK: TAZ1 TRAILER:
GENERATOR: P.CHEMICAL / PORTLANDPROFILE #: 10064
HAULER: NA / Non App ROUTE: NA / Non App
COMMENT:

P.O.:
GROSS: 83000 LBS(-AutoWt
TARE: 26100 LBS(-AutoWt
NET: 56900 LBS

CELL/TANK: NA

MATERIAL	QUANTITY	UNIT
CS / REGULATED SOIL	28.4500	ST

I Hereby Declare That I Have NOT Disposed Of Any Liquid Or Hazardous Waste

Driver: _____ Weighmaster: _____

IN: BECKY B: PCSCALE-WO OUT: BECKY B: PCSCALE-WO

10.064

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

Cisco 051110-Greenwood
Tracking Number

TA22

J. Load Information

Note: Make additional copies of this page as necessary.

Load#: 1

Signature of transporter

Receiving facility: Worcester Landfill, MA

Date received: 5-21-10 Time received: 7:20 AM

Date of shipment: 5-21-10 Time of shipment: 8:35 AM

Truck/Tractor registration: 2-44009A

Trailer registration

Load size (cubic yards/tons): 28.45

Load#: 2

Signature of transporter

Receiving facility: Worcester Landfill, MA

Date received: 5-21-10 Time received:

Date of shipment: 5-21-10 Time of shipment: 1.10

Truck/Tractor registration: 44009A

Trailer registration

Load size (cubic yards/tons): 27.38

Load#: _____

Signature of transporter

Receiving facility

Date received: Time received:

Date of shipment: Time of shipment:

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

K. Log Sheet Volume Information

Total volume this page (cubic yards/tons): 54.76

Total carried forward (cubic yards/tons)

Total carried forward and this page (cubic yards/tons)

Page 1 of 1

Appendix C
Laboratory Analytical Reports

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

May 19, 2010

Amy Vaillancourt
Vanasse Hangen Brustlin, Inc. - CT
54 Tuttle Place
Middletown, CT 06457

Project Location: Portland Chemical
Client Job Number:
Project Number: 41223
Laboratory Work Order Number: 10E0185

Enclosed are results of analyses for samples received by the laboratory on May 10, 2010. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Holly L. Folsom
Project Manager

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

Vanasse Hangen Brustlin, Inc. - CT
54 Tuttle Place
Middletown, CT 06457
ATTN: Amy Vaillancourt

REPORT DATE: 5/19/2010

PURCHASE ORDER NUMBER: 41223

PROJECT NUMBER: 41223

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 10E0185

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

PROJECT LOCATION: Portland Chemical

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SW-1	10E0185-01	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8081A	
				SW-846 8260B	
				SW-846 8270C	
SW-2	10E0185-02	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8260B	
				SW-846 8270C	
SW-3	10E0185-03	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8081A	
				SW-846 8260B	
				SW-846 8270C	
SW-4	10E0185-04	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010B	
				SW-846 7471A	
				SW-846 8260B	
				SW-846 8270C	
SW-5	10E0185-05	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8260B	
				SW-846 8270C	
SW-6	10E0185-06	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8260B	
				SW-846 8270C	
Bottom-7	10E0185-07	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010B	
				SW-846 7471A	
				SW-846 8260B	
				SW-846 8270C	
Bottom-8	10E0185-08	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010B	
				SW-846 7471A	
				SW-846 8260B	
				SW-846 8270C	

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

Vanasse Hangen Brustlin, Inc. - CT
54 Tuttle Place
Middletown, CT 06457
ATTN: Amy Vaillancourt

REPORT DATE: 5/19/2010

PURCHASE ORDER NUMBER: 41223

PROJECT NUMBER: 41223

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 10E0185

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

PROJECT LOCATION: Portland Chemical

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Bottom-9	10E0185-09	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8260B	
				SW-846 8270C	
Bottom-10	10E0185-10	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8260B	
				SW-846 8270C	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

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CTDEP ETPH

Qualifications:

Either matrix spike or matrix spike duplicate is outside of control limits, but the other is within limits. Outlier should be viewed as a one time anomaly.

Analyte & Samples(s) Qualified:

CT ETPH

B013463-MSD1

SW-846 6010B

Qualifications:

Matrix spike recovery outside of control limits. Possibility of sample matrix effects that lead to a high bias for reported result or non-homogeneous sample aliquots cannot be eliminated.

Analyte & Samples(s) Qualified:

Barium

10E0185-04[SW-4], B013471-MS1

SW-846 8260B

Qualifications:

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

Chloromethane

10E0185-01[SW-1], 10E0185-02[SW-2], 10E0185-03[SW-3], 10E0185-04[SW-4], 10E0185-05[SW-5], 10E0185-06[SW-6], 10E0185-07[Bottom-7], 10E0185-08[Bottom-8], 10E0185-09[Bottom-9], 10E0185-10[Bottom-10], B013481-BLK1, B013481-BS1, B013481-BSD1, B013481-MS1

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD outside of control limits. Reduced precision anticipated for any reported result for this compound.

Analyte & Samples(s) Qualified:

Tetrahydrofuran

B013481-BS1

Matrix spike recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possiblity of sample matrix effects that lead to low bias for reported result or non-homogeneous sample aliquot cannot be eliminated.

Analyte & Samples(s) Qualified:

Bromomethane, Dichlorodifluoromethane (Freon 12)

10E0185-02[SW-2], B013481-MS1

Matrix spike recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.

Analyte & Samples(s) Qualified:

Chloromethane

10E0185-02[SW-2], B013481-MS1

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

Analyte & Samples(s) Qualified:

Tetrahydrofuran

10E0185-01[SW-1], 10E0185-02[SW-2], 10E0185-03[SW-3], 10E0185-04[SW-4], 10E0185-05[SW-5], 10E0185-06[SW-6], 10E0185-07[Bottom-7], 10E0185-08[Bottom-8], 10E0185-09[Bottom-9], 10E0185-10[Bottom-10], B013481-BLK1, B013481-BS1, B013481-BSD1, B013481-MS1

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Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy are associated with reported result.

Analyte & Samples(s) Qualified:

2-Butanone (MEK), Acetone, Tetrahydrofuran

10E0185-01[SW-1], 10E0185-02[SW-2], 10E0185-03[SW-3], 10E0185-04[SW-4], 10E0185-05[SW-5], 10E0185-06[SW-6], 10E0185-07[Bottom-7], 10E0185-08[Bottom-8], 10E0185-09[Bottom-9], 10E0185-10[Bottom-10], B013481-BLK1, B013481-BS1, B013481-BSD1, B013481-MS1

SW-846 8260B

The LCS recoveries for required CT reasonable confidence protocol (RCP) 8260 compounds were all within limits specified by the method except for "difficult analytes" where control limits somewhere between 40-160% are used and/or unless otherwise listed in this narrative: Difficult analytes: MIBK, MEK, Tert-butyl Alcohol, Acetone, 1,4-Dioxane, Vinyl Chloride, Chloromethane, Dichlorodifluoromethane, 2-Hexanone, Naphthalene, Bromomethane, Methylene Chloride, and tert-butylbenzene.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Holly L. Folsom
Project Chemist

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ANALYTICAL LABORATORY
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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0185

Date Received: 5/10/2010
Field Sample #: SW-1
Sampled: 5/7/2010 09:00

Sample ID: 10E0185-01
Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.099	mg/Kg dry	1	V-16	SW-846 8260B	5/11/10	5/11/10 8:13	MFF
Acrylonitrile	ND	0.0059	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:13	MFF
Benzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:13	MFF
Bromobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:13	MFF
Bromodichloromethane	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:13	MFF
Bromoform	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:13	MFF
Bromomethane	ND	0.0099	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:13	MFF
2-Butanone (MEK)	ND	0.040	mg/Kg dry	1	V-16	SW-846 8260B	5/11/10	5/11/10 8:13	MFF
n-Butylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:13	MFF
sec-Butylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:13	MFF
tert-Butylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:13	MFF
Carbon Disulfide	ND	0.0059	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:13	MFF
Carbon Tetrachloride	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:13	MFF
Chlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:13	MFF
Chlorodibromomethane	ND	0.00099	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:13	MFF
Chloroethane	ND	0.020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:13	MFF
Chloroform	ND	0.0040	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:13	MFF
Chloromethane	ND	0.0099	mg/Kg dry	1	L-04	SW-846 8260B	5/11/10	5/11/10 8:13	MFF
2-Chlorotoluene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:13	MFF
4-Chlorotoluene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:13	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:13	MFF
1,2-Dibromoethane (EDB)	ND	0.00099	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:13	MFF
Dibromomethane	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:13	MFF
1,2-Dichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:13	MFF
1,3-Dichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:13	MFF
1,4-Dichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:13	MFF
trans-1,4-Dichloro-2-butene	ND	0.0040	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:13	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:13	MFF
1,1-Dichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:13	MFF
1,2-Dichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:13	MFF
1,1-Dichloroethylene	ND	0.0040	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:13	MFF
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:13	MFF
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:13	MFF
1,2-Dichloropropane	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:13	MFF
1,3-Dichloropropane	ND	0.00099	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:13	MFF
2,2-Dichloropropane	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:13	MFF
1,1-Dichloropropene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:13	MFF
cis-1,3-Dichloropropene	ND	0.00099	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:13	MFF
trans-1,3-Dichloropropene	ND	0.00099	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:13	MFF
Ethylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:13	MFF
Hexachlorobutadiene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:13	MFF
2-Hexanone (MBK)	ND	0.020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:13	MFF
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:13	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:13	MFF

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Project Location: Portland Chemical | Sample Description: | Work Order: 10E0185

Date Received: 5/10/2010

Field Sample #: SW-1 | Sampled: 5/7/2010 09:00

Sample ID: 10E0185-01

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0040	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:13	MFF
Methylene Chloride	ND	0.020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:13	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:13	MFF
Naphthalene	ND	0.0040	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:13	MFF
n-Propylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:13	MFF
Styrene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:13	MFF
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:13	MFF
1,1,2,2-Tetrachloroethane	ND	0.00099	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:13	MFF
Tetrachloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:13	MFF
Tetrahydrofuran	ND	0.0099	mg/Kg dry	1	R-05, V-16	SW-846 8260B	5/11/10	5/11/10 8:13	MFF
Toluene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:13	MFF
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:13	MFF
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:13	MFF
1,1,1-Trichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:13	MFF
1,1,2-Trichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:13	MFF
Trichloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:13	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0099	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:13	MFF
1,2,3-Trichloropropane	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:13	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0099	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:13	MFF
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:13	MFF
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:13	MFF
Vinyl Chloride	ND	0.0099	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:13	MFF
m+p Xylene	ND	0.0040	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:13	MFF
o-Xylene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:13	MFF

Surrogates	% Recovery	Recovery Limits	Flag		
1,2-Dichloroethane-d4	85.6	70-130		5/11/10	8:13
Toluene-d8	97.9	70-130		5/11/10	8:13
4-Bromofluorobenzene	88.6	70-130		5/11/10	8:13

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Project Location: Portland Chemical | Sample Description: | Work Order: 10E0185

Date Received: 5/10/2010

Field Sample #: SW-1 | Sampled: 5/7/2010 09:00

Sample ID: 10E0185-01

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/11/10	5/11/10 20:28	BGL
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/11/10	5/11/10 20:28	BGL
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/11/10	5/11/10 20:28	BGL
Benzo(a)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/11/10	5/11/10 20:28	BGL
Benzo(a)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/11/10	5/11/10 20:28	BGL
Benzo(b)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/11/10	5/11/10 20:28	BGL
Benzo(g,h,i)perylene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/11/10	5/11/10 20:28	BGL
Benzo(k)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/11/10	5/11/10 20:28	BGL
Chrysene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/11/10	5/11/10 20:28	BGL
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/11/10	5/11/10 20:28	BGL
Fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/11/10	5/11/10 20:28	BGL
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/11/10	5/11/10 20:28	BGL
Indeno(1,2,3-cd)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/11/10	5/11/10 20:28	BGL
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/11/10	5/11/10 20:28	BGL
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/11/10	5/11/10 20:28	BGL
Phenanthrene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/11/10	5/11/10 20:28	BGL
Pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/11/10	5/11/10 20:28	BGL

Surrogates	% Recovery	Recovery Limits	Flag			
Nitrobenzene-d5	52.6	30-130				5/11/10 20:28
2-Fluorobiphenyl	62.6	30-130				5/11/10 20:28
Terphenyl-d14	86.7	30-130				5/11/10 20:28

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Project Location: Portland Chemical | Sample Description: | Work Order: 10E0185

Date Received: 5/10/2010

Field Sample #: SW-1 | Sampled: 5/7/2010 09:00

Sample ID: 10E0185-01

Sample Matrix: Soil

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [2]	ND	0.022	mg/Kg dry	1		SW-846 8081A	5/12/10	5/17/10 16:00	JB
Aldrin [1]	ND	0.0056	mg/Kg dry	1		SW-846 8081A	5/12/10	5/17/10 16:00	JB
alpha-BHC [1]	ND	0.0056	mg/Kg dry	1		SW-846 8081A	5/12/10	5/17/10 16:00	JB
beta-BHC [1]	ND	0.0056	mg/Kg dry	1		SW-846 8081A	5/12/10	5/17/10 16:00	JB
delta-BHC [1]	ND	0.0056	mg/Kg dry	1		SW-846 8081A	5/12/10	5/17/10 16:00	JB
gamma-BHC (Lindane) [1]	ND	0.0033	mg/Kg dry	1		SW-846 8081A	5/12/10	5/17/10 16:00	JB
Chlordane [1]	ND	0.022	mg/Kg dry	1		SW-846 8081A	5/12/10	5/17/10 16:00	JB
4,4'-DDD [1]	ND	0.0089	mg/Kg dry	1		SW-846 8081A	5/12/10	5/17/10 16:00	JB
4,4'-DDE [1]	ND	0.0045	mg/Kg dry	1		SW-846 8081A	5/12/10	5/17/10 16:00	JB
4,4'-DDT [1]	ND	0.0089	mg/Kg dry	1		SW-846 8081A	5/12/10	5/17/10 16:00	JB
Dieldrin [1]	0.0072	0.0022	mg/Kg dry	1		SW-846 8081A	5/12/10	5/17/10 16:00	JB
Endosulfan I [1]	ND	0.0056	mg/Kg dry	1		SW-846 8081A	5/12/10	5/17/10 16:00	JB
Endosulfan II [1]	ND	0.0089	mg/Kg dry	1		SW-846 8081A	5/12/10	5/17/10 16:00	JB
Endosulfan sulfate [1]	ND	0.0089	mg/Kg dry	1		SW-846 8081A	5/12/10	5/17/10 16:00	JB
Endrin [1]	ND	0.0089	mg/Kg dry	1		SW-846 8081A	5/12/10	5/17/10 16:00	JB
Endrin aldehyde [1]	ND	0.0089	mg/Kg dry	1		SW-846 8081A	5/12/10	5/17/10 16:00	JB
Endrin ketone [1]	ND	0.0089	mg/Kg dry	1		SW-846 8081A	5/12/10	5/17/10 16:00	JB
Heptachlor [1]	ND	0.0056	mg/Kg dry	1		SW-846 8081A	5/12/10	5/17/10 16:00	JB
Heptachlor epoxide [1]	ND	0.0056	mg/Kg dry	1		SW-846 8081A	5/12/10	5/17/10 16:00	JB
Hexachlorobenzene [1]	ND	0.0056	mg/Kg dry	1		SW-846 8081A	5/12/10	5/17/10 16:00	JB
Methoxychlor [1]	ND	0.056	mg/Kg dry	1		SW-846 8081A	5/12/10	5/17/10 16:00	JB
Toxaphene [1]	ND	0.11	mg/Kg dry	1		SW-846 8081A	5/12/10	5/17/10 16:00	JB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	86.6	30-150		5/17/10 16:00
Decachlorobiphenyl [2]	93.7	30-150		5/17/10 16:00
Tetrachloro-m-xylene [1]	87.7	30-150		5/17/10 16:00
Tetrachloro-m-xylene [2]	92.2	30-150		5/17/10 16:00

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0185

Date Received: 5/10/2010
Field Sample #: SW-1
Sampled: 5/7/2010 09:00
Sample ID: 10E0185-01
Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	23	11	mg/Kg dry	1		CTDEP ETPH	5/11/10	5/11/10 21:14	CJM

Surrogates	% Recovery	Recovery Limits	Flag	
o-Terphenyl	69.4	50-150		5/11/10 21:14

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Portland Chemical
Sample Description:
Work Order: 10E0185

Date Received: 5/10/2010

Field Sample #: SW-1
Sampled: 5/7/2010 09:00

Sample ID: 10E0185-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.7		% Wt	1		SM 2540G	5/11/10	5/12/10 8:48	NH

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Project Location: Portland Chemical | Sample Description: | Work Order: 10E0185

Date Received: 5/10/2010

Field Sample #: SW-2 | Sampled: 5/7/2010 09:05

Sample ID: 10E0185-02

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.11	mg/Kg dry	1	V-16	SW-846 8260B	5/11/10	5/11/10 7:47	MFF
Acrylonitrile	ND	0.0063	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 7:47	MFF
Benzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 7:47	MFF
Bromobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 7:47	MFF
Bromodichloromethane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 7:47	MFF
Bromoform	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 7:47	MFF
Bromomethane	ND	0.011	mg/Kg dry	1	MS-07	SW-846 8260B	5/11/10	5/11/10 7:47	MFF
2-Butanone (MEK)	ND	0.042	mg/Kg dry	1	V-16	SW-846 8260B	5/11/10	5/11/10 7:47	MFF
n-Butylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 7:47	MFF
sec-Butylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 7:47	MFF
tert-Butylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 7:47	MFF
Carbon Disulfide	ND	0.0063	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 7:47	MFF
Carbon Tetrachloride	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 7:47	MFF
Chlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 7:47	MFF
Chlorodibromomethane	ND	0.0011	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 7:47	MFF
Chloroethane	ND	0.021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 7:47	MFF
Chloroform	ND	0.0042	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 7:47	MFF
Chloromethane	ND	0.011	mg/Kg dry	1	L-04, MS-08	SW-846 8260B	5/11/10	5/11/10 7:47	MFF
2-Chlorotoluene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 7:47	MFF
4-Chlorotoluene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 7:47	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 7:47	MFF
1,2-Dibromoethane (EDB)	ND	0.0011	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 7:47	MFF
Dibromomethane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 7:47	MFF
1,2-Dichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 7:47	MFF
1,3-Dichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 7:47	MFF
1,4-Dichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 7:47	MFF
trans-1,4-Dichloro-2-butene	ND	0.0042	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 7:47	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.021	mg/Kg dry	1	MS-07	SW-846 8260B	5/11/10	5/11/10 7:47	MFF
1,1-Dichloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 7:47	MFF
1,2-Dichloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 7:47	MFF
1,1-Dichloroethylene	ND	0.0042	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 7:47	MFF
cis-1,2-Dichloroethylene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 7:47	MFF
trans-1,2-Dichloroethylene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 7:47	MFF
1,2-Dichloropropane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 7:47	MFF
1,3-Dichloropropane	ND	0.0011	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 7:47	MFF
2,2-Dichloropropane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 7:47	MFF
1,1-Dichloropropene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 7:47	MFF
cis-1,3-Dichloropropene	ND	0.0011	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 7:47	MFF
trans-1,3-Dichloropropene	ND	0.0011	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 7:47	MFF
Ethylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 7:47	MFF
Hexachlorobutadiene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 7:47	MFF
2-Hexanone (MBK)	ND	0.021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 7:47	MFF
Isopropylbenzene (Cumene)	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 7:47	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 7:47	MFF

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0185

Date Received: 5/10/2010
Field Sample #: SW-2
Sampled: 5/7/2010 09:05

Sample ID: 10E0185-02
Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0042	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 7:47	MFF
Methylene Chloride	ND	0.021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 7:47	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 7:47	MFF
Naphthalene	ND	0.0042	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 7:47	MFF
n-Propylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 7:47	MFF
Styrene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 7:47	MFF
1,1,1,2-Tetrachloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 7:47	MFF
1,1,2,2-Tetrachloroethane	ND	0.0011	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 7:47	MFF
Tetrachloroethylene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 7:47	MFF
Tetrahydrofuran	ND	0.011	mg/Kg dry	1	R-05, V-16	SW-846 8260B	5/11/10	5/11/10 7:47	MFF
Toluene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 7:47	MFF
1,2,3-Trichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 7:47	MFF
1,2,4-Trichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 7:47	MFF
1,1,1-Trichloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 7:47	MFF
1,1,2-Trichloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 7:47	MFF
Trichloroethylene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 7:47	MFF
Trichlorofluoromethane (Freon 11)	ND	0.011	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 7:47	MFF
1,2,3-Trichloropropane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 7:47	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.011	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 7:47	MFF
1,2,4-Trimethylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 7:47	MFF
1,3,5-Trimethylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 7:47	MFF
Vinyl Chloride	ND	0.011	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 7:47	MFF
m+p Xylene	ND	0.0042	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 7:47	MFF
o-Xylene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 7:47	MFF

Surrogates	% Recovery	Recovery Limits	Flag		
1,2-Dichloroethane-d4	84.8	70-130		5/11/10	7:47
Toluene-d8	100	70-130		5/11/10	7:47
4-Bromofluorobenzene	85.6	70-130		5/11/10	7:47

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Project Location: Portland Chemical | Sample Description: | Work Order: 10E0185

Date Received: 5/10/2010

Field Sample #: SW-2 | Sampled: 5/7/2010 09:05

Sample ID: 10E0185-02

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/11/10	5/11/10 21:04	BGL
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/11/10	5/11/10 21:04	BGL
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/11/10	5/11/10 21:04	BGL
Benzo(a)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/11/10	5/11/10 21:04	BGL
Benzo(a)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/11/10	5/11/10 21:04	BGL
Benzo(b)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/11/10	5/11/10 21:04	BGL
Benzo(g,h,i)perylene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/11/10	5/11/10 21:04	BGL
Benzo(k)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/11/10	5/11/10 21:04	BGL
Chrysene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/11/10	5/11/10 21:04	BGL
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/11/10	5/11/10 21:04	BGL
Fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/11/10	5/11/10 21:04	BGL
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/11/10	5/11/10 21:04	BGL
Indeno(1,2,3-cd)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/11/10	5/11/10 21:04	BGL
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/11/10	5/11/10 21:04	BGL
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/11/10	5/11/10 21:04	BGL
Phenanthrene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/11/10	5/11/10 21:04	BGL
Pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/11/10	5/11/10 21:04	BGL

Surrogates	% Recovery	Recovery Limits	Flag	
Nitrobenzene-d5	50.6	30-130		5/11/10 21:04
2-Fluorobiphenyl	56.4	30-130		5/11/10 21:04
Terphenyl-d14	71.2	30-130		5/11/10 21:04

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Project Location: Portland Chemical | Sample Description: | Work Order: 10E0185

Date Received: 5/10/2010

Field Sample #: SW-2 | Sampled: 5/7/2010 09:05

Sample ID: 10E0185-02

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	43	11	mg/Kg dry	1		CTDEP ETPH	5/11/10	5/11/10 22:09	CJM

Surrogates	% Recovery	Recovery Limits	Flag	
o-Terphenyl	72.5	50-150		5/11/10 22:09

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Project Location: Portland Chemical | Sample Description: | Work Order: 10E0185

Date Received: 5/10/2010

Field Sample #: SW-2 | Sampled: 5/7/2010 09:05

Sample ID: 10E0185-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.3		% Wt	1		SM 2540G	5/11/10	5/12/10 8:48	NH

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0185

Date Received: 5/10/2010
Field Sample #: SW-3
Sampled: 5/7/2010 09:10
Sample ID: 10E0185-03
Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.10	mg/Kg dry	1	V-16	SW-846 8260B	5/11/10	5/11/10 8:39	MFF
Acrylonitrile	ND	0.0060	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:39	MFF
Benzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:39	MFF
Bromobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:39	MFF
Bromodichloromethane	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:39	MFF
Bromoform	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:39	MFF
Bromomethane	ND	0.010	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:39	MFF
2-Butanone (MEK)	ND	0.040	mg/Kg dry	1	V-16	SW-846 8260B	5/11/10	5/11/10 8:39	MFF
n-Butylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:39	MFF
sec-Butylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:39	MFF
tert-Butylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:39	MFF
Carbon Disulfide	ND	0.0060	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:39	MFF
Carbon Tetrachloride	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:39	MFF
Chlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:39	MFF
Chlorodibromomethane	ND	0.0010	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:39	MFF
Chloroethane	ND	0.020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:39	MFF
Chloroform	ND	0.0040	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:39	MFF
Chloromethane	ND	0.010	mg/Kg dry	1	L-04	SW-846 8260B	5/11/10	5/11/10 8:39	MFF
2-Chlorotoluene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:39	MFF
4-Chlorotoluene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:39	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:39	MFF
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:39	MFF
Dibromomethane	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:39	MFF
1,2-Dichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:39	MFF
1,3-Dichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:39	MFF
1,4-Dichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:39	MFF
trans-1,4-Dichloro-2-butene	ND	0.0040	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:39	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:39	MFF
1,1-Dichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:39	MFF
1,2-Dichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:39	MFF
1,1-Dichloroethylene	ND	0.0040	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:39	MFF
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:39	MFF
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:39	MFF
1,2-Dichloropropane	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:39	MFF
1,3-Dichloropropane	ND	0.0010	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:39	MFF
2,2-Dichloropropane	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:39	MFF
1,1-Dichloropropene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:39	MFF
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:39	MFF
trans-1,3-Dichloropropene	ND	0.0010	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:39	MFF
Ethylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:39	MFF
Hexachlorobutadiene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:39	MFF
2-Hexanone (MBK)	ND	0.020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:39	MFF
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:39	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:39	MFF

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Project Location: Portland Chemical | Sample Description: | Work Order: 10E0185

Date Received: 5/10/2010

Field Sample #: SW-3 | Sampled: 5/7/2010 09:10

Sample ID: 10E0185-03

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0040	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:39	MFF
Methylene Chloride	ND	0.020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:39	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:39	MFF
Naphthalene	ND	0.0040	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:39	MFF
n-Propylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:39	MFF
Styrene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:39	MFF
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:39	MFF
1,1,2,2-Tetrachloroethane	ND	0.0010	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:39	MFF
Tetrachloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:39	MFF
Tetrahydrofuran	ND	0.010	mg/Kg dry	1	R-05, V-16	SW-846 8260B	5/11/10	5/11/10 8:39	MFF
Toluene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:39	MFF
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:39	MFF
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:39	MFF
1,1,1-Trichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:39	MFF
1,1,2-Trichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:39	MFF
Trichloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:39	MFF
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:39	MFF
1,2,3-Trichloropropane	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:39	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:39	MFF
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:39	MFF
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:39	MFF
Vinyl Chloride	ND	0.010	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:39	MFF
m+p Xylene	ND	0.0040	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:39	MFF
o-Xylene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 8:39	MFF

Surrogates	% Recovery	Recovery Limits	Flag		
1,2-Dichloroethane-d4	83.4	70-130		5/11/10	8:39
Toluene-d8	96.9	70-130		5/11/10	8:39
4-Bromofluorobenzene	86.4	70-130		5/11/10	8:39

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Portland Chemical | Sample Description: | Work Order: 10E0185

Date Received: 5/10/2010

Field Sample #: SW-3 | Sampled: 5/7/2010 09:10

Sample ID: 10E0185-03

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.18	mg/Kg dry	1		SW-846 8270C	5/11/10	5/11/10 21:39	BGL
Acenaphthylene	ND	0.18	mg/Kg dry	1		SW-846 8270C	5/11/10	5/11/10 21:39	BGL
Anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270C	5/11/10	5/11/10 21:39	BGL
Benzo(a)anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270C	5/11/10	5/11/10 21:39	BGL
Benzo(a)pyrene	ND	0.18	mg/Kg dry	1		SW-846 8270C	5/11/10	5/11/10 21:39	BGL
Benzo(b)fluoranthene	ND	0.18	mg/Kg dry	1		SW-846 8270C	5/11/10	5/11/10 21:39	BGL
Benzo(g,h,i)perylene	ND	0.18	mg/Kg dry	1		SW-846 8270C	5/11/10	5/11/10 21:39	BGL
Benzo(k)fluoranthene	ND	0.18	mg/Kg dry	1		SW-846 8270C	5/11/10	5/11/10 21:39	BGL
Chrysene	0.21	0.18	mg/Kg dry	1		SW-846 8270C	5/11/10	5/11/10 21:39	BGL
Dibenz(a,h)anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270C	5/11/10	5/11/10 21:39	BGL
Fluoranthene	0.25	0.18	mg/Kg dry	1		SW-846 8270C	5/11/10	5/11/10 21:39	BGL
Fluorene	ND	0.18	mg/Kg dry	1		SW-846 8270C	5/11/10	5/11/10 21:39	BGL
Indeno(1,2,3-cd)pyrene	0.24	0.18	mg/Kg dry	1		SW-846 8270C	5/11/10	5/11/10 21:39	BGL
2-Methylnaphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270C	5/11/10	5/11/10 21:39	BGL
Naphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270C	5/11/10	5/11/10 21:39	BGL
Phenanthrene	ND	0.18	mg/Kg dry	1		SW-846 8270C	5/11/10	5/11/10 21:39	BGL
Pyrene	0.37	0.18	mg/Kg dry	1		SW-846 8270C	5/11/10	5/11/10 21:39	BGL

Surrogates	% Recovery	Recovery Limits	Flag	
Nitrobenzene-d5	50.7	30-130		5/11/10 21:39
2-Fluorobiphenyl	56.8	30-130		5/11/10 21:39
Terphenyl-d14	77.8	30-130		5/11/10 21:39

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0185

Date Received: 5/10/2010
Field Sample #: SW-3
Sampled: 5/7/2010 09:10
Sample ID: 10E0185-03
Sample Matrix: Soil

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [2]	ND	0.021	mg/Kg dry	1		SW-846 8081A	5/12/10	5/17/10 16:14	JB
Aldrin [1]	ND	0.0054	mg/Kg dry	1		SW-846 8081A	5/12/10	5/17/10 16:14	JB
alpha-BHC [1]	ND	0.0054	mg/Kg dry	1		SW-846 8081A	5/12/10	5/17/10 16:14	JB
beta-BHC [1]	ND	0.0054	mg/Kg dry	1		SW-846 8081A	5/12/10	5/17/10 16:14	JB
delta-BHC [1]	ND	0.0054	mg/Kg dry	1		SW-846 8081A	5/12/10	5/17/10 16:14	JB
gamma-BHC (Lindane) [1]	ND	0.0032	mg/Kg dry	1		SW-846 8081A	5/12/10	5/17/10 16:14	JB
Chlordane [1]	ND	0.021	mg/Kg dry	1		SW-846 8081A	5/12/10	5/17/10 16:14	JB
4,4'-DDD [1]	ND	0.0086	mg/Kg dry	1		SW-846 8081A	5/12/10	5/17/10 16:14	JB
4,4'-DDE [1]	ND	0.0043	mg/Kg dry	1		SW-846 8081A	5/12/10	5/17/10 16:14	JB
4,4'-DDT [1]	ND	0.0086	mg/Kg dry	1		SW-846 8081A	5/12/10	5/17/10 16:14	JB
Dieldrin [1]	ND	0.0021	mg/Kg dry	1		SW-846 8081A	5/12/10	5/17/10 16:14	JB
Endosulfan I [1]	ND	0.0054	mg/Kg dry	1		SW-846 8081A	5/12/10	5/17/10 16:14	JB
Endosulfan II [1]	ND	0.0086	mg/Kg dry	1		SW-846 8081A	5/12/10	5/17/10 16:14	JB
Endosulfan sulfate [1]	ND	0.0086	mg/Kg dry	1		SW-846 8081A	5/12/10	5/17/10 16:14	JB
Endrin [1]	ND	0.0086	mg/Kg dry	1		SW-846 8081A	5/12/10	5/17/10 16:14	JB
Endrin aldehyde [1]	ND	0.0086	mg/Kg dry	1		SW-846 8081A	5/12/10	5/17/10 16:14	JB
Endrin ketone [1]	ND	0.0086	mg/Kg dry	1		SW-846 8081A	5/12/10	5/17/10 16:14	JB
Heptachlor [1]	ND	0.0054	mg/Kg dry	1		SW-846 8081A	5/12/10	5/17/10 16:14	JB
Heptachlor epoxide [1]	ND	0.0054	mg/Kg dry	1		SW-846 8081A	5/12/10	5/17/10 16:14	JB
Hexachlorobenzene [1]	ND	0.0054	mg/Kg dry	1		SW-846 8081A	5/12/10	5/17/10 16:14	JB
Methoxychlor [1]	ND	0.054	mg/Kg dry	1		SW-846 8081A	5/12/10	5/17/10 16:14	JB
Toxaphene [1]	ND	0.11	mg/Kg dry	1		SW-846 8081A	5/12/10	5/17/10 16:14	JB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	74.3	30-150		5/17/10 16:14
Decachlorobiphenyl [2]	82.9	30-150		5/17/10 16:14
Tetrachloro-m-xylene [1]	75.0	30-150		5/17/10 16:14
Tetrachloro-m-xylene [2]	76.9	30-150		5/17/10 16:14

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Project Location: Portland Chemical | Sample Description: | Work Order: 10E0185

Date Received: 5/10/2010

Field Sample #: SW-3 | Sampled: 5/7/2010 09:10

Sample ID: 10E0185-03

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	61	11	mg/Kg dry	1		CTDEP ETPH	5/11/10	5/11/10 22:28	CJM

Surrogates	% Recovery	Recovery Limits	Flag	
o-Terphenyl	72.1	50-150		5/11/10 22:28

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0185

Date Received: 5/10/2010
Field Sample #: SW-3
Sampled: 5/7/2010 09:10

Sample ID: 10E0185-03
Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.5		% Wt	1		SM 2540G	5/11/10	5/12/10 8:48	NH

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Project Location: Portland Chemical | Sample Description: | Work Order: 10E0185

Date Received: 5/10/2010

Field Sample #: SW-4 | Sampled: 5/7/2010 09:15

Sample ID: 10E0185-04

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.11	mg/Kg dry	1	V-16	SW-846 8260B	5/11/10	5/11/10 9:04	MFF
Acrylonitrile	ND	0.0068	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:04	MFF
Benzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:04	MFF
Bromobenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:04	MFF
Bromodichloromethane	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:04	MFF
Bromoform	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:04	MFF
Bromomethane	ND	0.011	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:04	MFF
2-Butanone (MEK)	ND	0.045	mg/Kg dry	1	V-16	SW-846 8260B	5/11/10	5/11/10 9:04	MFF
n-Butylbenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:04	MFF
sec-Butylbenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:04	MFF
tert-Butylbenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:04	MFF
Carbon Disulfide	ND	0.0068	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:04	MFF
Carbon Tetrachloride	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:04	MFF
Chlorobenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:04	MFF
Chlorodibromomethane	ND	0.0011	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:04	MFF
Chloroethane	ND	0.023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:04	MFF
Chloroform	ND	0.0045	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:04	MFF
Chloromethane	ND	0.011	mg/Kg dry	1	L-04	SW-846 8260B	5/11/10	5/11/10 9:04	MFF
2-Chlorotoluene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:04	MFF
4-Chlorotoluene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:04	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:04	MFF
1,2-Dibromoethane (EDB)	ND	0.0011	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:04	MFF
Dibromomethane	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:04	MFF
1,2-Dichlorobenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:04	MFF
1,3-Dichlorobenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:04	MFF
1,4-Dichlorobenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:04	MFF
trans-1,4-Dichloro-2-butene	ND	0.0045	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:04	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:04	MFF
1,1-Dichloroethane	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:04	MFF
1,2-Dichloroethane	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:04	MFF
1,1-Dichloroethylene	ND	0.0045	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:04	MFF
cis-1,2-Dichloroethylene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:04	MFF
trans-1,2-Dichloroethylene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:04	MFF
1,2-Dichloropropane	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:04	MFF
1,3-Dichloropropane	ND	0.0011	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:04	MFF
2,2-Dichloropropane	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:04	MFF
1,1-Dichloropropene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:04	MFF
cis-1,3-Dichloropropene	ND	0.0011	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:04	MFF
trans-1,3-Dichloropropene	ND	0.0011	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:04	MFF
Ethylbenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:04	MFF
Hexachlorobutadiene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:04	MFF
2-Hexanone (MBK)	ND	0.023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:04	MFF
Isopropylbenzene (Cumene)	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:04	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:04	MFF

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Project Location: Portland Chemical
Date Received: 5/10/2010
Field Sample #: SW-4
Sample ID: 10E0185-04
Sample Matrix: Soil

Sample Description:
Sampled: 5/7/2010 09:15

Work Order: 10E0185

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0045	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:04	MFF
Methylene Chloride	ND	0.023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:04	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:04	MFF
Naphthalene	ND	0.0045	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:04	MFF
n-Propylbenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:04	MFF
Styrene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:04	MFF
1,1,1,2-Tetrachloroethane	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:04	MFF
1,1,2,2-Tetrachloroethane	ND	0.0011	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:04	MFF
Tetrachloroethylene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:04	MFF
Tetrahydrofuran	ND	0.011	mg/Kg dry	1	R-05, V-16	SW-846 8260B	5/11/10	5/11/10 9:04	MFF
Toluene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:04	MFF
1,2,3-Trichlorobenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:04	MFF
1,2,4-Trichlorobenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:04	MFF
1,1,1-Trichloroethane	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:04	MFF
1,1,2-Trichloroethane	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:04	MFF
Trichloroethylene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:04	MFF
Trichlorofluoromethane (Freon 11)	ND	0.011	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:04	MFF
1,2,3-Trichloropropane	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:04	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.011	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:04	MFF
1,2,4-Trimethylbenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:04	MFF
1,3,5-Trimethylbenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:04	MFF
Vinyl Chloride	ND	0.011	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:04	MFF
m+p Xylene	ND	0.0045	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:04	MFF
o-Xylene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:04	MFF

Surrogates	% Recovery	Recovery Limits	Flag		
1,2-Dichloroethane-d4	85.5	70-130		5/11/10	9:04
Toluene-d8	98.7	70-130		5/11/10	9:04
4-Bromofluorobenzene	88.3	70-130		5/11/10	9:04

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Portland Chemical | Sample Description: | Work Order: 10E0185

Date Received: 5/10/2010

Field Sample #: SW-4 | Sampled: 5/7/2010 09:15

Sample ID: 10E0185-04

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/11/10	5/11/10 22:14	BGL
Acenaphthylene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/11/10	5/11/10 22:14	BGL
Anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/11/10	5/11/10 22:14	BGL
Benzo(a)anthracene	0.21	0.20	mg/Kg dry	1		SW-846 8270C	5/11/10	5/11/10 22:14	BGL
Benzo(a)pyrene	0.20	0.20	mg/Kg dry	1		SW-846 8270C	5/11/10	5/11/10 22:14	BGL
Benzo(b)fluoranthene	0.28	0.20	mg/Kg dry	1		SW-846 8270C	5/11/10	5/11/10 22:14	BGL
Benzo(g,h,i)perylene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/11/10	5/11/10 22:14	BGL
Benzo(k)fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/11/10	5/11/10 22:14	BGL
Chrysene	0.27	0.20	mg/Kg dry	1		SW-846 8270C	5/11/10	5/11/10 22:14	BGL
Dibenz(a,h)anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/11/10	5/11/10 22:14	BGL
Fluoranthene	0.34	0.20	mg/Kg dry	1		SW-846 8270C	5/11/10	5/11/10 22:14	BGL
Fluorene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/11/10	5/11/10 22:14	BGL
Indeno(1,2,3-cd)pyrene	0.28	0.20	mg/Kg dry	1		SW-846 8270C	5/11/10	5/11/10 22:14	BGL
2-Methylnaphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/11/10	5/11/10 22:14	BGL
Naphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/11/10	5/11/10 22:14	BGL
Phenanthrene	0.22	0.20	mg/Kg dry	1		SW-846 8270C	5/11/10	5/11/10 22:14	BGL
Pyrene	0.43	0.20	mg/Kg dry	1		SW-846 8270C	5/11/10	5/11/10 22:14	BGL

Surrogates	% Recovery	Recovery Limits	Flag	
Nitrobenzene-d5	56.3	30-130		5/11/10 22:14
2-Fluorobiphenyl	63.9	30-130		5/11/10 22:14
Terphenyl-d14	80.4	30-130		5/11/10 22:14

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Project Location: Portland Chemical | Sample Description: | Work Order: 10E0185

Date Received: 5/10/2010

Field Sample #: SW-4 | Sampled: 5/7/2010 09:15

Sample ID: 10E0185-04

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	90	11	mg/Kg dry	1		CTDEP ETPH	5/11/10	5/11/10 22:46	CJM

Surrogates	% Recovery	Recovery Limits	Flag				
o-Terphenyl	79.8	50-150					5/11/10 22:46

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Project Location: Portland Chemical | Sample Description: | Work Order: 10E0185

Date Received: 5/10/2010

Field Sample #: SW-4 | Sampled: 5/7/2010 09:15

Sample ID: 10E0185-04

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	7.1	2.9	mg/Kg dry	1		SW-846 6010B	5/11/10	5/12/10 10:36	OP
Barium	110	2.9	mg/Kg dry	1	MS-11	SW-846 6010B	5/11/10	5/12/10 10:35	OP
Cadmium	0.95	0.29	mg/Kg dry	1		SW-846 6010B	5/11/10	5/12/10 10:36	OP
Chromium	120	0.58	mg/Kg dry	1		SW-846 6010B	5/11/10	5/12/10 10:35	OP
Lead	46	0.87	mg/Kg dry	1		SW-846 6010B	5/11/10	5/12/10 10:36	OP
Mercury	0.047	0.020	mg/Kg dry	1		SW-846 7471A	5/11/10	5/12/10 15:30	MPF
Selenium	ND	5.8	mg/Kg dry	1		SW-846 6010B	5/11/10	5/12/10 10:36	OP
Silver	ND	0.58	mg/Kg dry	1		SW-846 6010B	5/11/10	5/12/10 10:35	OP

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0185

Date Received: 5/10/2010
Field Sample #: SW-4
Sampled: 5/7/2010 09:15

Sample ID: 10E0185-04
Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.3		% Wt	1		SM 2540G	5/11/10	5/12/10 8:48	NH

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Project Location: Portland Chemical | Sample Description: | Work Order: 10E0185

Date Received: 5/10/2010

Field Sample #: SW-5 | Sampled: 5/7/2010 09:20

Sample ID: 10E0185-05

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.10	mg/Kg dry	1	V-16	SW-846 8260B	5/11/10	5/11/10 9:31	MFF
Acrylonitrile	ND	0.0062	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:31	MFF
Benzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:31	MFF
Bromobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:31	MFF
Bromodichloromethane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:31	MFF
Bromoform	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:31	MFF
Bromomethane	ND	0.010	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:31	MFF
2-Butanone (MEK)	ND	0.041	mg/Kg dry	1	V-16	SW-846 8260B	5/11/10	5/11/10 9:31	MFF
n-Butylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:31	MFF
sec-Butylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:31	MFF
tert-Butylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:31	MFF
Carbon Disulfide	ND	0.0062	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:31	MFF
Carbon Tetrachloride	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:31	MFF
Chlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:31	MFF
Chlorodibromomethane	ND	0.0010	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:31	MFF
Chloroethane	ND	0.021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:31	MFF
Chloroform	ND	0.0041	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:31	MFF
Chloromethane	ND	0.010	mg/Kg dry	1	L-04	SW-846 8260B	5/11/10	5/11/10 9:31	MFF
2-Chlorotoluene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:31	MFF
4-Chlorotoluene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:31	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:31	MFF
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:31	MFF
Dibromomethane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:31	MFF
1,2-Dichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:31	MFF
1,3-Dichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:31	MFF
1,4-Dichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:31	MFF
trans-1,4-Dichloro-2-butene	ND	0.0041	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:31	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:31	MFF
1,1-Dichloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:31	MFF
1,2-Dichloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:31	MFF
1,1-Dichloroethylene	ND	0.0041	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:31	MFF
cis-1,2-Dichloroethylene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:31	MFF
trans-1,2-Dichloroethylene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:31	MFF
1,2-Dichloropropane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:31	MFF
1,3-Dichloropropane	ND	0.0010	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:31	MFF
2,2-Dichloropropane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:31	MFF
1,1-Dichloropropene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:31	MFF
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:31	MFF
trans-1,3-Dichloropropene	ND	0.0010	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:31	MFF
Ethylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:31	MFF
Hexachlorobutadiene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:31	MFF
2-Hexanone (MBK)	ND	0.021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:31	MFF
Isopropylbenzene (Cumene)	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:31	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:31	MFF

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Project Location: Portland Chemical | Sample Description: | Work Order: 10E0185

Date Received: 5/10/2010

Field Sample #: SW-5 | Sampled: 5/7/2010 09:20

Sample ID: 10E0185-05

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0041	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:31	MFF
Methylene Chloride	ND	0.021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:31	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:31	MFF
Naphthalene	ND	0.0041	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:31	MFF
n-Propylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:31	MFF
Styrene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:31	MFF
1,1,1,2-Tetrachloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:31	MFF
1,1,2,2-Tetrachloroethane	ND	0.0010	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:31	MFF
Tetrachloroethylene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:31	MFF
Tetrahydrofuran	ND	0.010	mg/Kg dry	1	R-05, V-16	SW-846 8260B	5/11/10	5/11/10 9:31	MFF
Toluene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:31	MFF
1,2,3-Trichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:31	MFF
1,2,4-Trichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:31	MFF
1,1,1-Trichloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:31	MFF
1,1,2-Trichloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:31	MFF
Trichloroethylene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:31	MFF
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:31	MFF
1,2,3-Trichloropropane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:31	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:31	MFF
1,2,4-Trimethylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:31	MFF
1,3,5-Trimethylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:31	MFF
Vinyl Chloride	ND	0.010	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:31	MFF
m+p Xylene	ND	0.0041	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:31	MFF
o-Xylene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:31	MFF

Surrogates	% Recovery	Recovery Limits	Flag		
1,2-Dichloroethane-d4	90.4	70-130		5/11/10	9:31
Toluene-d8	100	70-130		5/11/10	9:31
4-Bromofluorobenzene	86.2	70-130		5/11/10	9:31

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Project Location: Portland Chemical | Sample Description: | Work Order: 10E0185

Date Received: 5/10/2010

Field Sample #: SW-5 | Sampled: 5/7/2010 09:20

Sample ID: 10E0185-05

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.18	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 9:50	BGL
Acenaphthylene	ND	0.18	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 9:50	BGL
Anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 9:50	BGL
Benzo(a)anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 9:50	BGL
Benzo(a)pyrene	ND	0.18	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 9:50	BGL
Benzo(b)fluoranthene	0.20	0.18	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 9:50	BGL
Benzo(g,h,i)perylene	ND	0.18	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 9:50	BGL
Benzo(k)fluoranthene	ND	0.18	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 9:50	BGL
Chrysene	0.21	0.18	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 9:50	BGL
Dibenz(a,h)anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 9:50	BGL
Fluoranthene	0.24	0.18	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 9:50	BGL
Fluorene	ND	0.18	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 9:50	BGL
Indeno(1,2,3-cd)pyrene	0.22	0.18	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 9:50	BGL
2-Methylnaphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 9:50	BGL
Naphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 9:50	BGL
Phenanthrene	ND	0.18	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 9:50	BGL
Pyrene	0.31	0.18	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 9:50	BGL

Surrogates	% Recovery	Recovery Limits	Flag		
Nitrobenzene-d5	63.7	30-130		5/12/10 9:50	
2-Fluorobiphenyl	65.8	30-130		5/12/10 9:50	
Terphenyl-d14	74.1	30-130		5/12/10 9:50	

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0185

Date Received: 5/10/2010
Field Sample #: SW-5
Sampled: 5/7/2010 09:20
Sample ID: 10E0185-05
Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	490	110	mg/Kg dry	10		CTDEP ETPH	5/11/10	5/12/10 15:22	CJM

Surrogates	% Recovery	Recovery Limits	Flag				Date/Time Analyzed
o-Terphenyl	81.9	50-150					5/12/10 15:22

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Project Location: Portland Chemical | Sample Description: | Work Order: 10E0185

Date Received: 5/10/2010

Field Sample #: SW-5 | Sampled: 5/7/2010 09:20

Sample ID: 10E0185-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.0		% Wt	1		SM 2540G	5/11/10	5/12/10 8:48	NH

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Project Location: Portland Chemical | Sample Description: | Work Order: 10E0185

Date Received: 5/10/2010

Field Sample #: SW-6 | Sampled: 5/7/2010 09:25

Sample ID: 10E0185-06

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.12	mg/Kg dry	1	V-16	SW-846 8260B	5/11/10	5/11/10 9:56	MFF
Acrylonitrile	ND	0.0074	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:56	MFF
Benzene	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:56	MFF
Bromobenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:56	MFF
Bromodichloromethane	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:56	MFF
Bromoform	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:56	MFF
Bromomethane	ND	0.012	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:56	MFF
2-Butanone (MEK)	ND	0.049	mg/Kg dry	1	V-16	SW-846 8260B	5/11/10	5/11/10 9:56	MFF
n-Butylbenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:56	MFF
sec-Butylbenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:56	MFF
tert-Butylbenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:56	MFF
Carbon Disulfide	ND	0.0074	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:56	MFF
Carbon Tetrachloride	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:56	MFF
Chlorobenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:56	MFF
Chlorodibromomethane	ND	0.0012	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:56	MFF
Chloroethane	ND	0.025	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:56	MFF
Chloroform	ND	0.0049	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:56	MFF
Chloromethane	ND	0.012	mg/Kg dry	1	L-04	SW-846 8260B	5/11/10	5/11/10 9:56	MFF
2-Chlorotoluene	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:56	MFF
4-Chlorotoluene	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:56	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:56	MFF
1,2-Dibromoethane (EDB)	ND	0.0012	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:56	MFF
Dibromomethane	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:56	MFF
1,2-Dichlorobenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:56	MFF
1,3-Dichlorobenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:56	MFF
1,4-Dichlorobenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:56	MFF
trans-1,4-Dichloro-2-butene	ND	0.0049	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:56	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.025	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:56	MFF
1,1-Dichloroethane	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:56	MFF
1,2-Dichloroethane	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:56	MFF
1,1-Dichloroethylene	ND	0.0049	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:56	MFF
cis-1,2-Dichloroethylene	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:56	MFF
trans-1,2-Dichloroethylene	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:56	MFF
1,2-Dichloropropane	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:56	MFF
1,3-Dichloropropane	ND	0.0012	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:56	MFF
2,2-Dichloropropane	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:56	MFF
1,1-Dichloropropene	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:56	MFF
cis-1,3-Dichloropropene	ND	0.0012	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:56	MFF
trans-1,3-Dichloropropene	ND	0.0012	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:56	MFF
Ethylbenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:56	MFF
Hexachlorobutadiene	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:56	MFF
2-Hexanone (MBK)	ND	0.025	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:56	MFF
Isopropylbenzene (Cumene)	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:56	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:56	MFF

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Portland Chemical | Sample Description: | Work Order: 10E0185

Date Received: 5/10/2010

Field Sample #: SW-6 | Sampled: 5/7/2010 09:25

Sample ID: 10E0185-06

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0049	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:56	MFF
Methylene Chloride	ND	0.025	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:56	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.025	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:56	MFF
Naphthalene	ND	0.0049	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:56	MFF
n-Propylbenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:56	MFF
Styrene	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:56	MFF
1,1,1,2-Tetrachloroethane	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:56	MFF
1,1,2,2-Tetrachloroethane	ND	0.0012	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:56	MFF
Tetrachloroethylene	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:56	MFF
Tetrahydrofuran	ND	0.012	mg/Kg dry	1	R-05, V-16	SW-846 8260B	5/11/10	5/11/10 9:56	MFF
Toluene	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:56	MFF
1,2,3-Trichlorobenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:56	MFF
1,2,4-Trichlorobenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:56	MFF
1,1,1-Trichloroethane	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:56	MFF
1,1,2-Trichloroethane	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:56	MFF
Trichloroethylene	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:56	MFF
Trichlorofluoromethane (Freon 11)	ND	0.012	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:56	MFF
1,2,3-Trichloropropane	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:56	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.012	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:56	MFF
1,2,4-Trimethylbenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:56	MFF
1,3,5-Trimethylbenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:56	MFF
Vinyl Chloride	ND	0.012	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:56	MFF
m+p Xylene	ND	0.0049	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:56	MFF
o-Xylene	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 9:56	MFF

Surrogates	% Recovery	Recovery Limits	Flag		
1,2-Dichloroethane-d4	86.3	70-130		5/11/10	9:56
Toluene-d8	101	70-130		5/11/10	9:56
4-Bromofluorobenzene	85.0	70-130		5/11/10	9:56

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Portland Chemical | Sample Description: | Work Order: 10E0185

Date Received: 5/10/2010

Field Sample #: SW-6 | Sampled: 5/7/2010 09:25

Sample ID: 10E0185-06

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.46	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 10:21	BGL
Acenaphthylene	ND	0.46	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 10:21	BGL
Anthracene	ND	0.46	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 10:21	BGL
Benzo(a)anthracene	ND	0.46	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 10:21	BGL
Benzo(a)pyrene	ND	0.46	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 10:21	BGL
Benzo(b)fluoranthene	ND	0.46	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 10:21	BGL
Benzo(g,h,i)perylene	ND	0.46	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 10:21	BGL
Benzo(k)fluoranthene	ND	0.46	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 10:21	BGL
Chrysene	ND	0.46	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 10:21	BGL
Dibenz(a,h)anthracene	ND	0.46	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 10:21	BGL
Fluoranthene	ND	0.46	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 10:21	BGL
Fluorene	ND	0.46	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 10:21	BGL
Indeno(1,2,3-cd)pyrene	ND	0.46	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 10:21	BGL
2-Methylnaphthalene	ND	0.46	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 10:21	BGL
Naphthalene	ND	0.46	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 10:21	BGL
Phenanthrene	ND	0.46	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 10:21	BGL
Pyrene	ND	0.46	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 10:21	BGL

Surrogates	% Recovery	Recovery Limits	Flag			
Nitrobenzene-d5	57.1	30-130				5/12/10 10:21
2-Fluorobiphenyl	66.9	30-130				5/12/10 10:21
Terphenyl-d14	53.9	30-130				5/12/10 10:21

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Project Location: Portland Chemical | Sample Description: | Work Order: 10E0185

Date Received: 5/10/2010

Field Sample #: SW-6 | Sampled: 5/7/2010 09:25

Sample ID: 10E0185-06

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	720	130	mg/Kg dry	5		CTDEP ETPH	5/11/10	5/11/10 23:24	CJM

Surrogates	% Recovery	Recovery Limits	Flag	
o-Terphenyl	87.9	50-150		5/11/10 23:24

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0185

Date Received: 5/10/2010
Field Sample #: SW-6
Sampled: 5/7/2010 09:25

Sample ID: 10E0185-06
Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	74.2		% Wt	1		SM 2540G	5/11/10	5/12/10 8:48	NH

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Project Location: Portland Chemical | Sample Description: | Work Order: 10E0185

Date Received: 5/10/2010

Field Sample #: Bottom-7 | Sampled: 5/7/2010 09:30

Sample ID: 10E0185-07

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.11	mg/Kg dry	1	V-16	SW-846 8260B	5/11/10	5/11/10 10:24	MFF
Acrylonitrile	ND	0.0065	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:24	MFF
Benzene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:24	MFF
Bromobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:24	MFF
Bromodichloromethane	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:24	MFF
Bromoform	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:24	MFF
Bromomethane	ND	0.011	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:24	MFF
2-Butanone (MEK)	ND	0.044	mg/Kg dry	1	V-16	SW-846 8260B	5/11/10	5/11/10 10:24	MFF
n-Butylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:24	MFF
sec-Butylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:24	MFF
tert-Butylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:24	MFF
Carbon Disulfide	ND	0.0065	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:24	MFF
Carbon Tetrachloride	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:24	MFF
Chlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:24	MFF
Chlorodibromomethane	ND	0.0011	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:24	MFF
Chloroethane	ND	0.022	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:24	MFF
Chloroform	ND	0.0044	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:24	MFF
Chloromethane	ND	0.011	mg/Kg dry	1	L-04	SW-846 8260B	5/11/10	5/11/10 10:24	MFF
2-Chlorotoluene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:24	MFF
4-Chlorotoluene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:24	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:24	MFF
1,2-Dibromoethane (EDB)	ND	0.0011	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:24	MFF
Dibromomethane	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:24	MFF
1,2-Dichlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:24	MFF
1,3-Dichlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:24	MFF
1,4-Dichlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:24	MFF
trans-1,4-Dichloro-2-butene	ND	0.0044	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:24	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.022	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:24	MFF
1,1-Dichloroethane	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:24	MFF
1,2-Dichloroethane	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:24	MFF
1,1-Dichloroethylene	ND	0.0044	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:24	MFF
cis-1,2-Dichloroethylene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:24	MFF
trans-1,2-Dichloroethylene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:24	MFF
1,2-Dichloropropane	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:24	MFF
1,3-Dichloropropane	ND	0.0011	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:24	MFF
2,2-Dichloropropane	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:24	MFF
1,1-Dichloropropene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:24	MFF
cis-1,3-Dichloropropene	ND	0.0011	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:24	MFF
trans-1,3-Dichloropropene	ND	0.0011	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:24	MFF
Ethylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:24	MFF
Hexachlorobutadiene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:24	MFF
2-Hexanone (MBK)	ND	0.022	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:24	MFF
Isopropylbenzene (Cumene)	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:24	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:24	MFF

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Portland Chemical
Sample Description:
Work Order: 10E0185

Date Received: 5/10/2010
Field Sample #: Bottom-7
Sampled: 5/7/2010 09:30
Sample ID: 10E0185-07
Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0044	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:24	MFF
Methylene Chloride	ND	0.022	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:24	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.022	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:24	MFF
Naphthalene	ND	0.0044	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:24	MFF
n-Propylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:24	MFF
Styrene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:24	MFF
1,1,1,2-Tetrachloroethane	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:24	MFF
1,1,2,2-Tetrachloroethane	ND	0.0011	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:24	MFF
Tetrachloroethylene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:24	MFF
Tetrahydrofuran	ND	0.011	mg/Kg dry	1	R-05, V-16	SW-846 8260B	5/11/10	5/11/10 10:24	MFF
Toluene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:24	MFF
1,2,3-Trichlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:24	MFF
1,2,4-Trichlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:24	MFF
1,1,1-Trichloroethane	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:24	MFF
1,1,2-Trichloroethane	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:24	MFF
Trichloroethylene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:24	MFF
Trichlorofluoromethane (Freon 11)	ND	0.011	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:24	MFF
1,2,3-Trichloropropane	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:24	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.011	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:24	MFF
1,2,4-Trimethylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:24	MFF
1,3,5-Trimethylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:24	MFF
Vinyl Chloride	ND	0.011	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:24	MFF
m+p Xylene	ND	0.0044	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:24	MFF
o-Xylene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:24	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	89.7	70-130		5/11/10 10:24
Toluene-d8	100	70-130		5/11/10 10:24
4-Bromofluorobenzene	87.2	70-130		5/11/10 10:24

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Project Location: Portland Chemical | Sample Description: | Work Order: 10E0185

Date Received: 5/10/2010

Field Sample #: Bottom-7 | Sampled: 5/7/2010 09:30

Sample ID: 10E0185-07

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.40	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 10:52	BGL
Acenaphthylene	ND	0.40	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 10:52	BGL
Anthracene	ND	0.40	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 10:52	BGL
Benzo(a)anthracene	ND	0.40	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 10:52	BGL
Benzo(a)pyrene	ND	0.40	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 10:52	BGL
Benzo(b)fluoranthene	ND	0.40	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 10:52	BGL
Benzo(g,h,i)perylene	ND	0.40	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 10:52	BGL
Benzo(k)fluoranthene	ND	0.40	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 10:52	BGL
Chrysene	ND	0.40	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 10:52	BGL
Dibenz(a,h)anthracene	ND	0.40	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 10:52	BGL
Fluoranthene	ND	0.40	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 10:52	BGL
Fluorene	ND	0.40	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 10:52	BGL
Indeno(1,2,3-cd)pyrene	ND	0.40	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 10:52	BGL
2-Methylnaphthalene	ND	0.40	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 10:52	BGL
Naphthalene	ND	0.40	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 10:52	BGL
Phenanthrene	ND	0.40	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 10:52	BGL
Pyrene	ND	0.40	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 10:52	BGL

Surrogates	% Recovery	Recovery Limits	Flag		
Nitrobenzene-d5	55.8	30-130			5/12/10 10:52
2-Fluorobiphenyl	61.0	30-130			5/12/10 10:52
Terphenyl-d14	59.9	30-130			5/12/10 10:52

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Project Location: Portland Chemical | Sample Description: | Work Order: 10E0185

Date Received: 5/10/2010

Field Sample #: Bottom-7 | Sampled: 5/7/2010 09:30

Sample ID: 10E0185-07

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	950	120	mg/Kg dry	5		CTDEP ETPH	5/11/10	5/11/10 23:42	CJM

Surrogates	% Recovery	Recovery Limits	Flag	
o-Terphenyl	84.1	50-150		5/11/10 23:42

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0185

Date Received: 5/10/2010

Field Sample #: Bottom-7
Sampled: 5/7/2010 09:30

Sample ID: 10E0185-07

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	7.5	2.9	mg/Kg dry	1		SW-846 6010B	5/11/10	5/12/10 11:46	OP
Barium	150	2.9	mg/Kg dry	1		SW-846 6010B	5/11/10	5/12/10 11:46	OP
Cadmium	1.2	0.29	mg/Kg dry	1		SW-846 6010B	5/11/10	5/12/10 11:46	OP
Chromium	220	0.59	mg/Kg dry	1		SW-846 6010B	5/11/10	5/12/10 11:46	OP
Lead	22	0.88	mg/Kg dry	1		SW-846 6010B	5/11/10	5/12/10 11:46	OP
Mercury	0.024	0.023	mg/Kg dry	1		SW-846 7471A	5/11/10	5/12/10 15:36	MPF
Selenium	ND	5.9	mg/Kg dry	1		SW-846 6010B	5/11/10	5/12/10 11:46	OP
Silver	ND	0.59	mg/Kg dry	1		SW-846 6010B	5/11/10	5/12/10 11:46	OP

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0185

Date Received: 5/10/2010
Field Sample #: Bottom-7
Sampled: 5/7/2010 09:30
Sample ID: 10E0185-07
Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.0		% Wt	1		SM 2540G	5/11/10	5/12/10 8:48	NH

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0185
Date Received: 5/10/2010
Field Sample #: Bottom-8
Sampled: 5/7/2010 09:35
Sample ID: 10E0185-08
Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.12	mg/Kg dry	1	V-16	SW-846 8260B	5/11/10	5/11/10 10:50	MFF
Acrylonitrile	ND	0.0070	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:50	MFF
Benzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:50	MFF
Bromobenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:50	MFF
Bromodichloromethane	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:50	MFF
Bromoform	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:50	MFF
Bromomethane	ND	0.012	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:50	MFF
2-Butanone (MEK)	ND	0.047	mg/Kg dry	1	V-16	SW-846 8260B	5/11/10	5/11/10 10:50	MFF
n-Butylbenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:50	MFF
sec-Butylbenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:50	MFF
tert-Butylbenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:50	MFF
Carbon Disulfide	ND	0.0070	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:50	MFF
Carbon Tetrachloride	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:50	MFF
Chlorobenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:50	MFF
Chlorodibromomethane	ND	0.0012	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:50	MFF
Chloroethane	ND	0.023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:50	MFF
Chloroform	ND	0.0047	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:50	MFF
Chloromethane	ND	0.012	mg/Kg dry	1	L-04	SW-846 8260B	5/11/10	5/11/10 10:50	MFF
2-Chlorotoluene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:50	MFF
4-Chlorotoluene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:50	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:50	MFF
1,2-Dibromoethane (EDB)	ND	0.0012	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:50	MFF
Dibromomethane	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:50	MFF
1,2-Dichlorobenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:50	MFF
1,3-Dichlorobenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:50	MFF
1,4-Dichlorobenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:50	MFF
trans-1,4-Dichloro-2-butene	ND	0.0047	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:50	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:50	MFF
1,1-Dichloroethane	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:50	MFF
1,2-Dichloroethane	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:50	MFF
1,1-Dichloroethylene	ND	0.0047	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:50	MFF
cis-1,2-Dichloroethylene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:50	MFF
trans-1,2-Dichloroethylene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:50	MFF
1,2-Dichloropropane	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:50	MFF
1,3-Dichloropropane	ND	0.0012	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:50	MFF
2,2-Dichloropropane	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:50	MFF
1,1-Dichloropropene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:50	MFF
cis-1,3-Dichloropropene	ND	0.0012	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:50	MFF
trans-1,3-Dichloropropene	ND	0.0012	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:50	MFF
Ethylbenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:50	MFF
Hexachlorobutadiene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:50	MFF
2-Hexanone (MBK)	ND	0.023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:50	MFF
Isopropylbenzene (Cumene)	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:50	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:50	MFF

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0185

Date Received: 5/10/2010
Field Sample #: Bottom-8
Sampled: 5/7/2010 09:35
Sample ID: 10E0185-08
Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0047	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:50	MFF
Methylene Chloride	ND	0.023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:50	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:50	MFF
Naphthalene	ND	0.0047	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:50	MFF
n-Propylbenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:50	MFF
Styrene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:50	MFF
1,1,1,2-Tetrachloroethane	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:50	MFF
1,1,2,2-Tetrachloroethane	ND	0.0012	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:50	MFF
Tetrachloroethylene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:50	MFF
Tetrahydrofuran	ND	0.012	mg/Kg dry	1	R-05, V-16	SW-846 8260B	5/11/10	5/11/10 10:50	MFF
Toluene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:50	MFF
1,2,3-Trichlorobenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:50	MFF
1,2,4-Trichlorobenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:50	MFF
1,1,1-Trichloroethane	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:50	MFF
1,1,2-Trichloroethane	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:50	MFF
Trichloroethylene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:50	MFF
Trichlorofluoromethane (Freon 11)	ND	0.012	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:50	MFF
1,2,3-Trichloropropane	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:50	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.012	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:50	MFF
1,2,4-Trimethylbenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:50	MFF
1,3,5-Trimethylbenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:50	MFF
Vinyl Chloride	ND	0.012	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:50	MFF
m+p Xylene	ND	0.0047	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:50	MFF
o-Xylene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 10:50	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	87.0	70-130		5/11/10 10:50
Toluene-d8	99.9	70-130		5/11/10 10:50
4-Bromofluorobenzene	85.6	70-130		5/11/10 10:50

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0185

Date Received: 5/10/2010
Field Sample #: Bottom-8
Sampled: 5/7/2010 09:35
Sample ID: 10E0185-08
Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 11:23	BGL
Acenaphthylene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 11:23	BGL
Anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 11:23	BGL
Benzo(a)anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 11:23	BGL
Benzo(a)pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 11:23	BGL
Benzo(b)fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 11:23	BGL
Benzo(g,h,i)perylene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 11:23	BGL
Benzo(k)fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 11:23	BGL
Chrysene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 11:23	BGL
Dibenz(a,h)anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 11:23	BGL
Fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 11:23	BGL
Fluorene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 11:23	BGL
Indeno(1,2,3-cd)pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 11:23	BGL
2-Methylnaphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 11:23	BGL
Naphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 11:23	BGL
Phenanthrene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 11:23	BGL
Pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 11:23	BGL

Surrogates	% Recovery	Recovery Limits	Flag	
Nitrobenzene-d5	46.0	30-130		5/12/10 11:23
2-Fluorobiphenyl	51.2	30-130		5/12/10 11:23
Terphenyl-d14	57.9	30-130		5/12/10 11:23

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0185

Date Received: 5/10/2010
Field Sample #: Bottom-8
Sampled: 5/7/2010 09:35
Sample ID: 10E0185-08
Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	31	12	mg/Kg dry	1		CTDEP ETPH	5/11/10	5/12/10 0:00	CJM

Surrogates	% Recovery	Recovery Limits	Flag				
o-Terphenyl	78.9	50-150				5/12/10 0:00	

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0185
Date Received: 5/10/2010
Field Sample #: Bottom-8
Sampled: 5/7/2010 09:35
Sample ID: 10E0185-08
Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	4.8	2.9	mg/Kg dry	1		SW-846 6010B	5/11/10	5/12/10 11:50	OP
Barium	56	2.9	mg/Kg dry	1		SW-846 6010B	5/11/10	5/12/10 11:50	OP
Cadmium	ND	0.29	mg/Kg dry	1		SW-846 6010B	5/11/10	5/12/10 11:50	OP
Chromium	15	0.57	mg/Kg dry	1		SW-846 6010B	5/11/10	5/12/10 11:50	OP
Lead	9.2	0.86	mg/Kg dry	1		SW-846 6010B	5/11/10	5/12/10 11:50	OP
Mercury	ND	0.019	mg/Kg dry	1		SW-846 7471A	5/11/10	5/12/10 15:38	MPF
Selenium	ND	5.7	mg/Kg dry	1		SW-846 6010B	5/11/10	5/12/10 11:50	OP
Silver	ND	0.57	mg/Kg dry	1		SW-846 6010B	5/11/10	5/12/10 11:50	OP

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Portland Chemical | Sample Description: | Work Order: 10E0185

Date Received: 5/10/2010

Field Sample #: Bottom-8 | Sampled: 5/7/2010 09:35

Sample ID: 10E0185-08

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.5		% Wt	1		SM 2540G	5/11/10	5/12/10 8:48	NH

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Project Location: Portland Chemical | Sample Description: | Work Order: 10E0185

Date Received: 5/10/2010

Field Sample #: Bottom-9 | Sampled: 5/7/2010 09:40

Sample ID: 10E0185-09

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.12	mg/Kg dry	1	V-16	SW-846 8260B	5/11/10	5/11/10 11:15	MFF
Acrylonitrile	ND	0.0071	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:15	MFF
Benzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:15	MFF
Bromobenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:15	MFF
Bromodichloromethane	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:15	MFF
Bromoform	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:15	MFF
Bromomethane	ND	0.012	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:15	MFF
2-Butanone (MEK)	ND	0.047	mg/Kg dry	1	V-16	SW-846 8260B	5/11/10	5/11/10 11:15	MFF
n-Butylbenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:15	MFF
sec-Butylbenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:15	MFF
tert-Butylbenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:15	MFF
Carbon Disulfide	ND	0.0071	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:15	MFF
Carbon Tetrachloride	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:15	MFF
Chlorobenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:15	MFF
Chlorodibromomethane	ND	0.0012	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:15	MFF
Chloroethane	ND	0.024	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:15	MFF
Chloroform	ND	0.0047	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:15	MFF
Chloromethane	ND	0.012	mg/Kg dry	1	L-04	SW-846 8260B	5/11/10	5/11/10 11:15	MFF
2-Chlorotoluene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:15	MFF
4-Chlorotoluene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:15	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:15	MFF
1,2-Dibromoethane (EDB)	ND	0.0012	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:15	MFF
Dibromomethane	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:15	MFF
1,2-Dichlorobenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:15	MFF
1,3-Dichlorobenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:15	MFF
1,4-Dichlorobenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:15	MFF
trans-1,4-Dichloro-2-butene	ND	0.0047	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:15	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.024	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:15	MFF
1,1-Dichloroethane	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:15	MFF
1,2-Dichloroethane	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:15	MFF
1,1-Dichloroethylene	ND	0.0047	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:15	MFF
cis-1,2-Dichloroethylene	0.0059	0.0024	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:15	MFF
trans-1,2-Dichloroethylene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:15	MFF
1,2-Dichloropropane	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:15	MFF
1,3-Dichloropropane	ND	0.0012	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:15	MFF
2,2-Dichloropropane	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:15	MFF
1,1-Dichloropropene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:15	MFF
cis-1,3-Dichloropropene	ND	0.0012	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:15	MFF
trans-1,3-Dichloropropene	ND	0.0012	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:15	MFF
Ethylbenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:15	MFF
Hexachlorobutadiene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:15	MFF
2-Hexanone (MBK)	ND	0.024	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:15	MFF
Isopropylbenzene (Cumene)	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:15	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:15	MFF

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Portland Chemical | Sample Description: | Work Order: 10E0185

Date Received: 5/10/2010

Field Sample #: Bottom-9 | Sampled: 5/7/2010 09:40

Sample ID: 10E0185-09

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0047	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:15	MFF
Methylene Chloride	ND	0.024	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:15	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.024	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:15	MFF
Naphthalene	ND	0.0047	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:15	MFF
n-Propylbenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:15	MFF
Styrene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:15	MFF
1,1,1,2-Tetrachloroethane	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:15	MFF
1,1,2,2-Tetrachloroethane	ND	0.0012	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:15	MFF
Tetrachloroethylene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:15	MFF
Tetrahydrofuran	ND	0.012	mg/Kg dry	1	R-05, V-16	SW-846 8260B	5/11/10	5/11/10 11:15	MFF
Toluene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:15	MFF
1,2,3-Trichlorobenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:15	MFF
1,2,4-Trichlorobenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:15	MFF
1,1,1-Trichloroethane	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:15	MFF
1,1,2-Trichloroethane	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:15	MFF
Trichloroethylene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:15	MFF
Trichlorofluoromethane (Freon 11)	ND	0.012	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:15	MFF
1,2,3-Trichloropropane	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:15	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.012	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:15	MFF
1,2,4-Trimethylbenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:15	MFF
1,3,5-Trimethylbenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:15	MFF
Vinyl Chloride	ND	0.012	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:15	MFF
m+p Xylene	ND	0.0047	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:15	MFF
o-Xylene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:15	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	84.6	70-130		5/11/10 11:15
Toluene-d8	96.4	70-130		5/11/10 11:15
4-Bromofluorobenzene	88.6	70-130		5/11/10 11:15

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Portland Chemical | Sample Description: | Work Order: 10E0185

Date Received: 5/10/2010

Field Sample #: Bottom-9 | Sampled: 5/7/2010 09:40

Sample ID: 10E0185-09

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 14:46	BGL
Acenaphthylene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 14:46	BGL
Anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 14:46	BGL
Benzo(a)anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 14:46	BGL
Benzo(a)pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 14:46	BGL
Benzo(b)fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 14:46	BGL
Benzo(g,h,i)perylene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 14:46	BGL
Benzo(k)fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 14:46	BGL
Chrysene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 14:46	BGL
Dibenz(a,h)anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 14:46	BGL
Fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 14:46	BGL
Fluorene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 14:46	BGL
Indeno(1,2,3-cd)pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 14:46	BGL
2-Methylnaphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 14:46	BGL
Naphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 14:46	BGL
Phenanthrene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 14:46	BGL
Pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 14:46	BGL

Surrogates	% Recovery	Recovery Limits	Flag			
Nitrobenzene-d5	64.8	30-130				5/12/10 14:46
2-Fluorobiphenyl	70.9	30-130				5/12/10 14:46
Terphenyl-d14	106	30-130				5/12/10 14:46

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Project Location: Portland Chemical | Sample Description: | Work Order: 10E0185

Date Received: 5/10/2010

Field Sample #: Bottom-9 | Sampled: 5/7/2010 09:40

Sample ID: 10E0185-09

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	12	mg/Kg dry	1		CTDEP ETPH	5/11/10	5/12/10 0:19	CJM

Surrogates	% Recovery	Recovery Limits	Flag	
o-Terphenyl	77.8	50-150		5/12/10 0:19

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Project Location: Portland Chemical | Sample Description: | Work Order: 10E0185

Date Received: 5/10/2010

Field Sample #: Bottom-9 | Sampled: 5/7/2010 09:40

Sample ID: 10E0185-09

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.1		% Wt	1		SM 2540G	5/11/10	5/12/10 8:48	NH

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0185

Date Received: 5/10/2010
Field Sample #: Bottom-10
Sampled: 5/7/2010 09:50
Sample ID: 10E0185-10
Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.10	mg/Kg dry	1	V-16	SW-846 8260B	5/11/10	5/11/10 11:41	MFF
Acrylonitrile	ND	0.0060	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:41	MFF
Benzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:41	MFF
Bromobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:41	MFF
Bromodichloromethane	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:41	MFF
Bromoform	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:41	MFF
Bromomethane	ND	0.010	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:41	MFF
2-Butanone (MEK)	ND	0.040	mg/Kg dry	1	V-16	SW-846 8260B	5/11/10	5/11/10 11:41	MFF
n-Butylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:41	MFF
sec-Butylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:41	MFF
tert-Butylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:41	MFF
Carbon Disulfide	ND	0.0060	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:41	MFF
Carbon Tetrachloride	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:41	MFF
Chlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:41	MFF
Chlorodibromomethane	ND	0.0010	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:41	MFF
Chloroethane	ND	0.020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:41	MFF
Chloroform	ND	0.0040	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:41	MFF
Chloromethane	ND	0.010	mg/Kg dry	1	L-04	SW-846 8260B	5/11/10	5/11/10 11:41	MFF
2-Chlorotoluene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:41	MFF
4-Chlorotoluene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:41	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:41	MFF
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:41	MFF
Dibromomethane	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:41	MFF
1,2-Dichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:41	MFF
1,3-Dichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:41	MFF
1,4-Dichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:41	MFF
trans-1,4-Dichloro-2-butene	ND	0.0040	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:41	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:41	MFF
1,1-Dichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:41	MFF
1,2-Dichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:41	MFF
1,1-Dichloroethylene	ND	0.0040	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:41	MFF
cis-1,2-Dichloroethylene	0.023	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:41	MFF
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:41	MFF
1,2-Dichloropropane	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:41	MFF
1,3-Dichloropropane	ND	0.0010	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:41	MFF
2,2-Dichloropropane	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:41	MFF
1,1-Dichloropropene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:41	MFF
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:41	MFF
trans-1,3-Dichloropropene	ND	0.0010	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:41	MFF
Ethylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:41	MFF
Hexachlorobutadiene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:41	MFF
2-Hexanone (MBK)	ND	0.020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:41	MFF
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:41	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:41	MFF

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Portland Chemical
Sample Description:
Work Order: 10E0185

Date Received: 5/10/2010

Field Sample #: Bottom-10
Sampled: 5/7/2010 09:50

Sample ID: 10E0185-10

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0040	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:41	MFF
Methylene Chloride	ND	0.020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:41	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:41	MFF
Naphthalene	ND	0.0040	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:41	MFF
n-Propylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:41	MFF
Styrene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:41	MFF
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:41	MFF
1,1,2,2-Tetrachloroethane	ND	0.0010	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:41	MFF
Tetrachloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:41	MFF
Tetrahydrofuran	ND	0.010	mg/Kg dry	1	R-05, V-16	SW-846 8260B	5/11/10	5/11/10 11:41	MFF
Toluene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:41	MFF
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:41	MFF
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:41	MFF
1,1,1-Trichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:41	MFF
1,1,2-Trichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:41	MFF
Trichloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:41	MFF
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:41	MFF
1,2,3-Trichloropropane	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:41	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:41	MFF
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:41	MFF
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:41	MFF
Vinyl Chloride	ND	0.010	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:41	MFF
m+p Xylene	ND	0.0040	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:41	MFF
o-Xylene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	5/11/10	5/11/10 11:41	MFF

Surrogates	% Recovery	Recovery Limits	Flag		
1,2-Dichloroethane-d4	91.8	70-130		5/11/10 11:41	
Toluene-d8	101	70-130		5/11/10 11:41	
4-Bromofluorobenzene	88.6	70-130		5/11/10 11:41	

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0185

Date Received: 5/10/2010
Field Sample #: Bottom-10
Sampled: 5/7/2010 09:50

Sample ID: 10E0185-10
Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 12:25	BGL
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 12:25	BGL
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 12:25	BGL
Benzo(a)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 12:25	BGL
Benzo(a)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 12:25	BGL
Benzo(b)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 12:25	BGL
Benzo(g,h,i)perylene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 12:25	BGL
Benzo(k)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 12:25	BGL
Chrysene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 12:25	BGL
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 12:25	BGL
Fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 12:25	BGL
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 12:25	BGL
Indeno(1,2,3-cd)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 12:25	BGL
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 12:25	BGL
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 12:25	BGL
Phenanthrene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 12:25	BGL
Pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/11/10	5/12/10 12:25	BGL

Surrogates	% Recovery	Recovery Limits	Flag			
Nitrobenzene-d5	59.3	30-130				5/12/10 12:25
2-Fluorobiphenyl	68.7	30-130				5/12/10 12:25
Terphenyl-d14	76.1	30-130				5/12/10 12:25

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Work Order: 10E0185

Date Received: 5/10/2010
Field Sample #: Bottom-10
Sampled: 5/7/2010 09:50
Sample ID: 10E0185-10
Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	11	mg/Kg dry	1		CTDEP ETPH	5/11/10	5/12/10 0:37	CJM

Surrogates	% Recovery	Recovery Limits	Flag	
o-Terphenyl	70.5	50-150		5/12/10 0:37

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Field Sample #: Bottom-10
Sampled: 5/7/2010 09:50
Sample ID: 10E0185-10
Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.5		% Wt	1		SM 2540G	5/11/10	5/12/10 8:48	NH

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Sample Extraction Data

Prep Method: SW-846 3546-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10E0185-01 [SW-1]	B013463	30.0	1.00	05/11/10
10E0185-02 [SW-2]	B013463	30.1	1.00	05/11/10
10E0185-03 [SW-3]	B013463	30.3	1.00	05/11/10
10E0185-04 [SW-4]	B013463	30.3	1.00	05/11/10
10E0185-05 [SW-5]	B013463	30.0	1.00	05/11/10
10E0185-06 [SW-6]	B013463	30.2	2.00	05/11/10
10E0185-07 [Bottom-7]	B013463	30.0	2.00	05/11/10
10E0185-08 [Bottom-8]	B013463	30.2	1.00	05/11/10
10E0185-09 [Bottom-9]	B013463	30.2	1.00	05/11/10
10E0185-10 [Bottom-10]	B013463	30.1	1.00	05/11/10

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
10E0185-01 [SW-1]	B013457	05/11/10
10E0185-02 [SW-2]	B013457	05/11/10
10E0185-03 [SW-3]	B013457	05/11/10
10E0185-04 [SW-4]	B013457	05/11/10
10E0185-05 [SW-5]	B013457	05/11/10
10E0185-06 [SW-6]	B013457	05/11/10
10E0185-07 [Bottom-7]	B013457	05/11/10
10E0185-08 [Bottom-8]	B013457	05/11/10
10E0185-09 [Bottom-9]	B013457	05/11/10
10E0185-10 [Bottom-10]	B013457	05/11/10

Prep Method: SW-846 3050B-SW-846 6010B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10E0185-04 [SW-4]	B013471	1.00	50.0	05/11/10
10E0185-07 [Bottom-7]	B013471	1.00	50.0	05/11/10
10E0185-08 [Bottom-8]	B013471	1.04	50.0	05/11/10

Prep Method: SW-846 7471A-SW-846 7471A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10E0185-04 [SW-4]	B013483	0.144	25.0	05/11/10
10E0185-07 [Bottom-7]	B013483	0.126	25.0	05/11/10
10E0185-08 [Bottom-8]	B013483	0.155	25.0	05/11/10

Prep Method: SW-846 3546-SW-846 8081A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10E0185-01 [SW-1]	B013552	10.0	10.0	05/12/10
10E0185-03 [SW-3]	B013552	10.2	10.0	05/12/10

Prep Method: SW-846 5035-SW-846 8260B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10E0185-01 [SW-1]	B013481	5.63	10.0	05/11/10

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Sample Extraction Data

Prep Method: SW-846 5035-SW-846 8260B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10E0185-02 [SW-2]	B013481	5.18	10.0	05/11/10
10E0185-03 [SW-3]	B013481	5.47	10.0	05/11/10
10E0185-04 [SW-4]	B013481	5.14	10.0	05/11/10
10E0185-05 [SW-5]	B013481	5.34	10.0	05/11/10
10E0185-06 [SW-6]	B013481	5.47	10.0	05/11/10
10E0185-07 [Bottom-7]	B013481	5.40	10.0	05/11/10
10E0185-08 [Bottom-8]	B013481	5.08	10.0	05/11/10
10E0185-09 [Bottom-9]	B013481	5.00	10.0	05/11/10
10E0185-10 [Bottom-10]	B013481	5.69	10.0	05/11/10

Prep Method: SW-846 3546-SW-846 8270C

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10E0185-01 [SW-1]	B013464	30.1	1.00	05/11/10
10E0185-02 [SW-2]	B013464	30.0	1.00	05/11/10
10E0185-03 [SW-3]	B013464	30.3	1.00	05/11/10
10E0185-04 [SW-4]	B013464	30.0	1.00	05/11/10
10E0185-05 [SW-5]	B013464	30.3	1.00	05/11/10
10E0185-06 [SW-6]	B013464	30.0	2.00	05/11/10
10E0185-07 [Bottom-7]	B013464	30.0	2.00	05/11/10
10E0185-08 [Bottom-8]	B013464	30.0	1.00	05/11/10
10E0185-09 [Bottom-9]	B013464	30.3	1.00	05/11/10
10E0185-10 [Bottom-10]	B013464	30.0	1.00	05/11/10

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B013481 - SW-846 5035										
Blank (B013481-BLK1)				Prepared & Analyzed: 05/11/10						
Acetone	ND	0.10	mg/Kg wet							V-16
Acrylonitrile	ND	0.0060	mg/Kg wet							
Benzene	ND	0.0020	mg/Kg wet							
Bromobenzene	ND	0.0020	mg/Kg wet							
Bromodichloromethane	ND	0.0020	mg/Kg wet							
Bromoform	ND	0.0020	mg/Kg wet							
Bromomethane	ND	0.010	mg/Kg wet							
2-Butanone (MEK)	ND	0.040	mg/Kg wet							V-16
n-Butylbenzene	ND	0.0020	mg/Kg wet							
sec-Butylbenzene	ND	0.0020	mg/Kg wet							
tert-Butylbenzene	ND	0.0020	mg/Kg wet							
Carbon Disulfide	ND	0.0060	mg/Kg wet							
Carbon Tetrachloride	ND	0.0020	mg/Kg wet							
Chlorobenzene	ND	0.0020	mg/Kg wet							
Chlorodibromomethane	ND	0.0010	mg/Kg wet							
Chloroethane	ND	0.020	mg/Kg wet							
Chloroform	ND	0.0040	mg/Kg wet							
Chloromethane	ND	0.010	mg/Kg wet							L-04
2-Chlorotoluene	ND	0.0020	mg/Kg wet							
4-Chlorotoluene	ND	0.0020	mg/Kg wet							
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	mg/Kg wet							
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg wet							
Dibromomethane	ND	0.0020	mg/Kg wet							
1,2-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,3-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,4-Dichlorobenzene	ND	0.0020	mg/Kg wet							
trans-1,4-Dichloro-2-butene	ND	0.0040	mg/Kg wet							
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg wet							
1,1-Dichloroethane	ND	0.0020	mg/Kg wet							
1,2-Dichloroethane	ND	0.0020	mg/Kg wet							
1,1-Dichloroethylene	ND	0.0040	mg/Kg wet							
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet							
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet							
1,2-Dichloropropane	ND	0.0020	mg/Kg wet							
1,3-Dichloropropane	ND	0.0010	mg/Kg wet							
2,2-Dichloropropane	ND	0.0020	mg/Kg wet							
1,1-Dichloropropene	ND	0.0020	mg/Kg wet							
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg wet							
trans-1,3-Dichloropropene	ND	0.0010	mg/Kg wet							
Ethylbenzene	ND	0.0020	mg/Kg wet							
Hexachlorobutadiene	ND	0.0020	mg/Kg wet							
2-Hexanone (MBK)	ND	0.020	mg/Kg wet							
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg wet							
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg wet							
Methyl tert-Butyl Ether (MTBE)	ND	0.0040	mg/Kg wet							
Methylene Chloride	ND	0.020	mg/Kg wet							
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg wet							
Naphthalene	ND	0.0040	mg/Kg wet							
n-Propylbenzene	ND	0.0020	mg/Kg wet							
Styrene	ND	0.0020	mg/Kg wet							
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0010	mg/Kg wet							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B013481 - SW-846 5035										
Blank (B013481-BLK1)			Prepared & Analyzed: 05/11/10							
Tetrachloroethylene	ND	0.0020	mg/Kg wet							
Tetrahydrofuran	ND	0.010	mg/Kg wet							R-05, V-16
Toluene	ND	0.0020	mg/Kg wet							
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg wet							
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg wet							
1,1,1-Trichloroethane	ND	0.0020	mg/Kg wet							
1,1,2-Trichloroethane	ND	0.0020	mg/Kg wet							
Trichloroethylene	ND	0.0020	mg/Kg wet							
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg wet							
1,2,3-Trichloropropane	ND	0.0020	mg/Kg wet							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	mg/Kg wet							
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg wet							
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg wet							
Vinyl Chloride	ND	0.010	mg/Kg wet							
m+p Xylene	ND	0.0040	mg/Kg wet							
o-Xylene	ND	0.0020	mg/Kg wet							
Surrogate: 1,2-Dichloroethane-d4	*0.0414*		mg/Kg wet	0.0500		82.8	70-130			
Surrogate: Toluene-d8	*0.0479*		mg/Kg wet	0.0500		95.9	70-130			
Surrogate: 4-Bromofluorobenzene	*0.0436*		mg/Kg wet	0.0500		87.1	70-130			
LCS (B013481-BS1)			Prepared & Analyzed: 05/11/10							
Acetone	0.178	0.10	mg/Kg wet	0.200		88.9	70-160			V-16 †
Acrylonitrile	0.0181	0.0060	mg/Kg wet	0.0200		90.5	70-130			
Benzene	0.0186	0.0020	mg/Kg wet	0.0200		93.0	70-130			
Bromobenzene	0.0195	0.0020	mg/Kg wet	0.0200		97.5	70-130			
Bromodichloromethane	0.0192	0.0020	mg/Kg wet	0.0200		95.9	70-130			
Bromoform	0.0212	0.0020	mg/Kg wet	0.0200		106	70-130			
Bromomethane	0.00818	0.010	mg/Kg wet	0.0200		40.9	40-130			†
2-Butanone (MEK)	0.168	0.040	mg/Kg wet	0.200		84.1	70-160			V-16 †
n-Butylbenzene	0.0182	0.0020	mg/Kg wet	0.0200		91.2	70-130			
sec-Butylbenzene	0.0196	0.0020	mg/Kg wet	0.0200		98.0	70-130			
tert-Butylbenzene	0.0199	0.0020	mg/Kg wet	0.0200		99.4	70-160			†
Carbon Disulfide	0.0191	0.0060	mg/Kg wet	0.0200		95.7	70-130			
Carbon Tetrachloride	0.0235	0.0020	mg/Kg wet	0.0200		117	70-130			
Chlorobenzene	0.0197	0.0020	mg/Kg wet	0.0200		98.3	70-130			
Chlorodibromomethane	0.0255	0.0010	mg/Kg wet	0.0200		127	70-130			
Chloroethane	0.0163	0.020	mg/Kg wet	0.0200		81.4	70-130			
Chloroform	0.0179	0.0040	mg/Kg wet	0.0200		89.6	70-130			
Chloromethane	0.0119	0.010	mg/Kg wet	0.0200		59.5 *	70-130			L-04
2-Chlorotoluene	0.0186	0.0020	mg/Kg wet	0.0200		92.9	70-130			
4-Chlorotoluene	0.0195	0.0020	mg/Kg wet	0.0200		97.6	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	0.0171	0.0020	mg/Kg wet	0.0200		85.7	70-130			
1,2-Dibromoethane (EDB)	0.0192	0.0010	mg/Kg wet	0.0200		96.2	70-130			
Dibromomethane	0.0179	0.0020	mg/Kg wet	0.0200		89.6	70-130			
1,2-Dichlorobenzene	0.0187	0.0020	mg/Kg wet	0.0200		93.6	70-130			
1,3-Dichlorobenzene	0.0197	0.0020	mg/Kg wet	0.0200		98.6	70-130			
1,4-Dichlorobenzene	0.0189	0.0020	mg/Kg wet	0.0200		94.6	70-130			
trans-1,4-Dichloro-2-butene	0.0176	0.0040	mg/Kg wet	0.0200		87.8	70-130			
Dichlorodifluoromethane (Freon 12)	0.0130	0.020	mg/Kg wet	0.0200		65.2	40-160			†
1,1-Dichloroethane	0.0173	0.0020	mg/Kg wet	0.0200		86.7	70-130			
1,2-Dichloroethane	0.0181	0.0020	mg/Kg wet	0.0200		90.3	70-130			
1,1-Dichloroethylene	0.0200	0.0040	mg/Kg wet	0.0200		100	70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B013481 - SW-846 5035											
LCS (B013481-BS1)				Prepared & Analyzed: 05/11/10							
cis-1,2-Dichloroethylene	0.0190	0.0020	mg/Kg wet	0.0200		95.1	70-130				
trans-1,2-Dichloroethylene	0.0190	0.0020	mg/Kg wet	0.0200		94.8	70-130				
1,2-Dichloropropane	0.0178	0.0020	mg/Kg wet	0.0200		89.1	70-130				
1,3-Dichloropropane	0.0185	0.0010	mg/Kg wet	0.0200		92.5	70-130				
2,2-Dichloropropane	0.0177	0.0020	mg/Kg wet	0.0200		88.6	70-130				
1,1-Dichloropropene	0.0186	0.0020	mg/Kg wet	0.0200		93.0	70-130				
cis-1,3-Dichloropropene	0.0177	0.0010	mg/Kg wet	0.0200		88.6	70-130				
trans-1,3-Dichloropropene	0.0204	0.0010	mg/Kg wet	0.0200		102	70-130				
Ethylbenzene	0.0191	0.0020	mg/Kg wet	0.0200		95.6	70-130				
Hexachlorobutadiene	0.0215	0.0020	mg/Kg wet	0.0200		108	70-160				
2-Hexanone (MBK)	0.157	0.020	mg/Kg wet	0.200		78.7	70-160				†
Isopropylbenzene (Cumene)	0.0229	0.0020	mg/Kg wet	0.0200		114	70-130				
p-Isopropyltoluene (p-Cymene)	0.0195	0.0020	mg/Kg wet	0.0200		97.3	70-130				
Methyl tert-Butyl Ether (MTBE)	0.0159	0.0040	mg/Kg wet	0.0200		79.5	70-130				
Methylene Chloride	0.0166	0.020	mg/Kg wet	0.0200		83.2	40-160				†
4-Methyl-2-pentanone (MIBK)	0.164	0.020	mg/Kg wet	0.200		81.8	70-160				†
Naphthalene	0.0171	0.0040	mg/Kg wet	0.0200		85.7	40-130				†
n-Propylbenzene	0.0197	0.0020	mg/Kg wet	0.0200		98.4	70-130				
Styrene	0.0198	0.0020	mg/Kg wet	0.0200		99.0	70-130				
1,1,1,2-Tetrachloroethane	0.0210	0.0020	mg/Kg wet	0.0200		105	70-130				
1,1,2,2-Tetrachloroethane	0.0186	0.0010	mg/Kg wet	0.0200		93.1	70-130				
Tetrachloroethylene	0.0214	0.0020	mg/Kg wet	0.0200		107	70-130				
Tetrahydrofuran	0.0133	0.010	mg/Kg wet	0.0200		66.5	* 70-130			L-07A, R-05, V-16	
Toluene	0.0191	0.0020	mg/Kg wet	0.0200		95.6	70-130				
1,2,3-Trichlorobenzene	0.0174	0.0020	mg/Kg wet	0.0200		86.8	70-130				
1,2,4-Trichlorobenzene	0.0179	0.0020	mg/Kg wet	0.0200		89.4	70-130				
1,1,1-Trichloroethane	0.0191	0.0020	mg/Kg wet	0.0200		95.4	70-130				
1,1,2-Trichloroethane	0.0177	0.0020	mg/Kg wet	0.0200		88.6	70-130				
Trichloroethylene	0.0192	0.0020	mg/Kg wet	0.0200		95.9	70-130				
Trichlorofluoromethane (Freon 11)	0.0209	0.010	mg/Kg wet	0.0200		104	70-130				
1,2,3-Trichloropropane	0.0164	0.0020	mg/Kg wet	0.0200		82.0	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0225	0.010	mg/Kg wet	0.0200		112	70-130				
1,2,4-Trimethylbenzene	0.0181	0.0020	mg/Kg wet	0.0200		90.7	70-130				
1,3,5-Trimethylbenzene	0.0188	0.0020	mg/Kg wet	0.0200		94.2	70-130				
Vinyl Chloride	0.0147	0.010	mg/Kg wet	0.0200		73.5	40-130				†
m+p Xylene	0.0400	0.0040	mg/Kg wet	0.0400		100	70-130				
o-Xylene	0.0195	0.0020	mg/Kg wet	0.0200		97.5	70-130				
Surrogate: 1,2-Dichloroethane-d4	*0.0428*		mg/Kg wet	0.0500		85.5	70-130				
Surrogate: Toluene-d8	*0.0494*		mg/Kg wet	0.0500		98.8	70-130				
Surrogate: 4-Bromofluorobenzene	*0.0434*		mg/Kg wet	0.0500		86.7	70-130				
LCS Dup (B013481-BSD1)				Prepared & Analyzed: 05/11/10							
Acetone	0.188	0.10	mg/Kg wet	0.200		94.0	70-160	5.59	25	V-16	†
Acrylonitrile	0.0193	0.0060	mg/Kg wet	0.0200		96.3	70-130	6.21	25		
Benzene	0.0191	0.0020	mg/Kg wet	0.0200		95.6	70-130	2.76	25		
Bromobenzene	0.0209	0.0020	mg/Kg wet	0.0200		105	70-130	7.12	25		
Bromodichloromethane	0.0188	0.0020	mg/Kg wet	0.0200		93.8	70-130	2.21	25		
Bromoform	0.0212	0.0020	mg/Kg wet	0.0200		106	70-130	0.0944	25		
Bromomethane	0.00940	0.010	mg/Kg wet	0.0200		47.0	40-130	13.9	25		†
2-Butanone (MEK)	0.168	0.040	mg/Kg wet	0.200		84.2	70-160	0.166	25	V-16	†
n-Butylbenzene	0.0194	0.0020	mg/Kg wet	0.0200		96.9	70-130	6.06	25		
sec-Butylbenzene	0.0204	0.0020	mg/Kg wet	0.0200		102	70-130	4.10	25		

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B013481 - SW-846 5035												
LCS Dup (B013481-BSD1)				Prepared & Analyzed: 05/11/10								
tert-Butylbenzene	0.0199	0.0020	mg/Kg wet	0.0200		99.3		70-160	0.101	25		†
Carbon Disulfide	0.0190	0.0060	mg/Kg wet	0.0200		95.2		70-130	0.524	25		
Carbon Tetrachloride	0.0241	0.0020	mg/Kg wet	0.0200		120		70-130	2.44	25		
Chlorobenzene	0.0204	0.0020	mg/Kg wet	0.0200		102		70-130	3.79	25		
Chlorodibromomethane	0.0250	0.0010	mg/Kg wet	0.0200		125		70-130	1.90	25		
Chloroethane	0.0166	0.020	mg/Kg wet	0.0200		83.0		70-130	1.95	25		
Chloroform	0.0183	0.0040	mg/Kg wet	0.0200		91.5		70-130	2.10	25		
Chloromethane	0.0123	0.010	mg/Kg wet	0.0200		61.4	*	70-130	3.14	25	L-04	
2-Chlorotoluene	0.0195	0.0020	mg/Kg wet	0.0200		97.3		70-130	4.63	25		
4-Chlorotoluene	0.0203	0.0020	mg/Kg wet	0.0200		102		70-130	4.02	25		
1,2-Dibromo-3-chloropropane (DBCP)	0.0178	0.0020	mg/Kg wet	0.0200		89.1		70-130	3.89	25		
1,2-Dibromoethane (EDB)	0.0201	0.0010	mg/Kg wet	0.0200		101		70-130	4.47	25		
Dibromomethane	0.0198	0.0020	mg/Kg wet	0.0200		99.2		70-130	10.2	25		
1,2-Dichlorobenzene	0.0195	0.0020	mg/Kg wet	0.0200		97.5		70-130	4.08	25		
1,3-Dichlorobenzene	0.0200	0.0020	mg/Kg wet	0.0200		99.9		70-130	1.31	25		
1,4-Dichlorobenzene	0.0190	0.0020	mg/Kg wet	0.0200		95.0		70-130	0.422	25		
trans-1,4-Dichloro-2-butene	0.0204	0.0040	mg/Kg wet	0.0200		102		70-130	15.0	25		
Dichlorodifluoromethane (Freon 12)	0.0129	0.020	mg/Kg wet	0.0200		64.6		40-160	0.924	25		†
1,1-Dichloroethane	0.0177	0.0020	mg/Kg wet	0.0200		88.6		70-130	2.17	25		
1,2-Dichloroethane	0.0180	0.0020	mg/Kg wet	0.0200		90.2		70-130	0.111	25		
1,1-Dichloroethylene	0.0188	0.0040	mg/Kg wet	0.0200		94.0		70-130	6.19	25		
cis-1,2-Dichloroethylene	0.0193	0.0020	mg/Kg wet	0.0200		96.5		70-130	1.46	25		
trans-1,2-Dichloroethylene	0.0189	0.0020	mg/Kg wet	0.0200		94.6		70-130	0.211	25		
1,2-Dichloropropane	0.0173	0.0020	mg/Kg wet	0.0200		86.6		70-130	2.85	25		
1,3-Dichloropropane	0.0191	0.0010	mg/Kg wet	0.0200		95.4		70-130	3.09	25		
2,2-Dichloropropane	0.0177	0.0020	mg/Kg wet	0.0200		88.4		70-130	0.226	25		
1,1-Dichloropropene	0.0190	0.0020	mg/Kg wet	0.0200		95.2		70-130	2.34	25		
cis-1,3-Dichloropropene	0.0181	0.0010	mg/Kg wet	0.0200		90.6		70-130	2.23	25		
trans-1,3-Dichloropropene	0.0204	0.0010	mg/Kg wet	0.0200		102		70-130	0.00	25		
Ethylbenzene	0.0200	0.0020	mg/Kg wet	0.0200		100		70-130	4.60	25		
Hexachlorobutadiene	0.0226	0.0020	mg/Kg wet	0.0200		113		70-160	5.17	25		
2-Hexanone (MBK)	0.165	0.020	mg/Kg wet	0.200		82.4		70-160	4.55	25		†
Isopropylbenzene (Cumene)	0.0237	0.0020	mg/Kg wet	0.0200		118		70-130	3.35	25		
p-Isopropyltoluene (p-Cymene)	0.0205	0.0020	mg/Kg wet	0.0200		102		70-130	5.11	25		
Methyl tert-Butyl Ether (MTBE)	0.0169	0.0040	mg/Kg wet	0.0200		84.6		70-130	6.22	25		
Methylene Chloride	0.0166	0.020	mg/Kg wet	0.0200		82.9		40-160	0.361	25		†
4-Methyl-2-pentanone (MIBK)	0.164	0.020	mg/Kg wet	0.200		81.8		70-160	0.0611	25		†
Naphthalene	0.0178	0.0040	mg/Kg wet	0.0200		89.1		40-130	3.89	25		†
n-Propylbenzene	0.0208	0.0020	mg/Kg wet	0.0200		104		70-130	5.73	25		
Styrene	0.0202	0.0020	mg/Kg wet	0.0200		101		70-130	2.10	25		
1,1,1,2-Tetrachloroethane	0.0216	0.0020	mg/Kg wet	0.0200		108		70-130	2.53	25		
1,1,2,2-Tetrachloroethane	0.0194	0.0010	mg/Kg wet	0.0200		96.9		70-130	4.00	25		
Tetrachloroethylene	0.0225	0.0020	mg/Kg wet	0.0200		112		70-130	4.83	25		
Tetrahydrofuran	0.0215	0.010	mg/Kg wet	0.0200		108		70-130	47.1	* 25	R-05, V-16	
Toluene	0.0198	0.0020	mg/Kg wet	0.0200		99.2		70-130	3.70	25		
1,2,3-Trichlorobenzene	0.0181	0.0020	mg/Kg wet	0.0200		90.6		70-130	4.28	25		
1,2,4-Trichlorobenzene	0.0188	0.0020	mg/Kg wet	0.0200		94.0		70-130	5.02	25		
1,1,1-Trichloroethane	0.0193	0.0020	mg/Kg wet	0.0200		96.5		70-130	1.15	25		
1,1,2-Trichloroethane	0.0198	0.0020	mg/Kg wet	0.0200		98.9		70-130	11.0	25		
Trichloroethylene	0.0193	0.0020	mg/Kg wet	0.0200		96.5		70-130	0.624	25		
Trichlorofluoromethane (Freon 11)	0.0212	0.010	mg/Kg wet	0.0200		106		70-130	1.24	25		
1,2,3-Trichloropropane	0.0160	0.0020	mg/Kg wet	0.0200		80.1		70-130	2.34	25		

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B013481 - SW-846 5035										
LCS Dup (B013481-BSD1)				Prepared & Analyzed: 05/11/10						
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0218	0.010	mg/Kg wet	0.0200		109	70-130	3.16	25	
1,2,4-Trimethylbenzene	0.0181	0.0020	mg/Kg wet	0.0200		90.4	70-130	0.331	25	
1,3,5-Trimethylbenzene	0.0201	0.0020	mg/Kg wet	0.0200		101	70-130	6.57	25	
Vinyl Chloride	0.0151	0.010	mg/Kg wet	0.0200		75.5	40-130	2.68	25	
m+p Xylene	0.0419	0.0040	mg/Kg wet	0.0400		105	70-130	4.49	25	
o-Xylene	0.0203	0.0020	mg/Kg wet	0.0200		102	70-130	4.02	25	
Surrogate: 1,2-Dichloroethane-d4	*0.0431*		mg/Kg wet	0.0500		86.2	70-130			
Surrogate: Toluene-d8	*0.0488*		mg/Kg wet	0.0500		97.6	70-130			
Surrogate: 4-Bromofluorobenzene	*0.0443*		mg/Kg wet	0.0500		88.7	70-130			
Matrix Spike (B013481-MS1)	**Source: 10E0185-02**			Prepared & Analyzed: 05/11/10						
Acetone	0.162	0.097	mg/Kg dry	0.193	ND	83.6	70-130			V-16
Acrylonitrile	0.0184	0.0058	mg/Kg dry	0.0193	ND	95.2	70-130			
Benzene	0.0188	0.0019	mg/Kg dry	0.0193	ND	97.4	70-130			
Bromobenzene	0.0200	0.0019	mg/Kg dry	0.0193	ND	104	70-130			
Bromodichloromethane	0.0198	0.0019	mg/Kg dry	0.0193	ND	103	70-130			
Bromoform	0.0216	0.0019	mg/Kg dry	0.0193	ND	112	70-130			
Bromomethane	0.00972	0.0097	mg/Kg dry	0.0193	ND	50.3 *	70-130			MS-07
2-Butanone (MEK)	0.158	0.039	mg/Kg dry	0.193	ND	82.0	70-130			V-16
n-Butylbenzene	0.0192	0.0019	mg/Kg dry	0.0193	ND	99.3	70-130			
sec-Butylbenzene	0.0193	0.0019	mg/Kg dry	0.0193	ND	99.7	70-130			
tert-Butylbenzene	0.0194	0.0019	mg/Kg dry	0.0193	ND	101	70-130			
Carbon Disulfide	0.0189	0.0058	mg/Kg dry	0.0193	ND	97.7	70-130			
Carbon Tetrachloride	0.0238	0.0019	mg/Kg dry	0.0193	ND	123	70-130			
Chlorobenzene	0.0196	0.0019	mg/Kg dry	0.0193	ND	101	70-130			
Chlorodibromomethane	0.0243	0.00097	mg/Kg dry	0.0193	ND	126	70-130			
Chloroethane	0.0152	0.019	mg/Kg dry	0.0193	ND	78.6	70-130			
Chloroform	0.0190	0.0039	mg/Kg dry	0.0193	ND	98.1	70-130			
Chloromethane	0.0113	0.0097	mg/Kg dry	0.0193	ND	58.6 *	70-130			L-04, MS-08
2-Chlorotoluene	0.0189	0.0019	mg/Kg dry	0.0193	ND	97.8	70-130			
4-Chlorotoluene	0.0196	0.0019	mg/Kg dry	0.0193	ND	101	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	0.0189	0.0019	mg/Kg dry	0.0193	ND	97.6	70-130			
1,2-Dibromoethane (EDB)	0.0205	0.00097	mg/Kg dry	0.0193	ND	106	70-130			
Dibromomethane	0.0200	0.0019	mg/Kg dry	0.0193	ND	104	70-130			
1,2-Dichlorobenzene	0.0193	0.0019	mg/Kg dry	0.0193	ND	100	70-130			
1,3-Dichlorobenzene	0.0203	0.0019	mg/Kg dry	0.0193	ND	105	70-130			
1,4-Dichlorobenzene	0.0193	0.0019	mg/Kg dry	0.0193	ND	99.9	70-130			
trans-1,4-Dichloro-2-butene	0.0211	0.0039	mg/Kg dry	0.0193	ND	109	70-130			
Dichlorodifluoromethane (Freon 12)	0.0112	0.019	mg/Kg dry	0.0193	ND	58.2 *	70-130			MS-07
1,1-Dichloroethane	0.0172	0.0019	mg/Kg dry	0.0193	ND	88.9	70-130			
1,2-Dichloroethane	0.0193	0.0019	mg/Kg dry	0.0193	ND	99.7	70-130			
1,1-Dichloroethylene	0.0180	0.0039	mg/Kg dry	0.0193	ND	93.4	70-130			
cis-1,2-Dichloroethylene	0.0191	0.0019	mg/Kg dry	0.0193	ND	99.0	70-130			
trans-1,2-Dichloroethylene	0.0180	0.0019	mg/Kg dry	0.0193	ND	93.2	70-130			
1,2-Dichloropropane	0.0170	0.0019	mg/Kg dry	0.0193	ND	88.1	70-130			
1,3-Dichloropropane	0.0190	0.00097	mg/Kg dry	0.0193	ND	98.2	70-130			
2,2-Dichloropropane	0.0163	0.0019	mg/Kg dry	0.0193	ND	84.5	70-130			
1,1-Dichloropropene	0.0181	0.0019	mg/Kg dry	0.0193	ND	93.5	70-130			
cis-1,3-Dichloropropene	0.0175	0.00097	mg/Kg dry	0.0193	ND	90.6	70-130			
trans-1,3-Dichloropropene	0.0200	0.00097	mg/Kg dry	0.0193	ND	104	70-130			
Ethylbenzene	0.0189	0.0019	mg/Kg dry	0.0193	ND	98.0	70-130			
Hexachlorobutadiene	0.0213	0.0019	mg/Kg dry	0.0193	ND	110	70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B013481 - SW-846 5035										
Matrix Spike (B013481-MS1)	**Source: 10E0185-02**		Prepared & Analyzed: 05/11/10							
2-Hexanone (MBK)	0.159	0.019	mg/Kg dry	0.193	ND	82.2	70-130			
Isopropylbenzene (Cumene)	0.0219	0.0019	mg/Kg dry	0.0193	ND	113	70-130			
p-Isopropyltoluene (p-Cymene)	0.0195	0.0019	mg/Kg dry	0.0193	ND	101	70-130			
Methyl tert-Butyl Ether (MTBE)	0.0163	0.0039	mg/Kg dry	0.0193	ND	84.5	70-130			
Methylene Chloride	0.0185	0.019	mg/Kg dry	0.0193	0.00118	89.7	70-130			
4-Methyl-2-pentanone (MIBK)	0.166	0.019	mg/Kg dry	0.193	ND	85.8	70-130			
Naphthalene	0.0156	0.0039	mg/Kg dry	0.0193	ND	80.6	70-130			
n-Propylbenzene	0.0194	0.0019	mg/Kg dry	0.0193	ND	100	70-130			
Styrene	0.0197	0.0019	mg/Kg dry	0.0193	ND	102	70-130			
1,1,1,2-Tetrachloroethane	0.0220	0.0019	mg/Kg dry	0.0193	ND	114	70-130			
1,1,2,2-Tetrachloroethane	0.0187	0.00097	mg/Kg dry	0.0193	ND	96.9	70-130			
Tetrachloroethylene	0.0205	0.0019	mg/Kg dry	0.0193	ND	106	70-130			
Tetrahydrofuran	0.0170	0.0097	mg/Kg dry	0.0193	ND	88.0	70-130			R-05, V-16
Toluene	0.0188	0.0019	mg/Kg dry	0.0193	ND	97.5	70-130			
1,2,3-Trichlorobenzene	0.0180	0.0019	mg/Kg dry	0.0193	ND	93.3	70-130			
1,2,4-Trichlorobenzene	0.0186	0.0019	mg/Kg dry	0.0193	ND	96.5	70-130			
1,1,1-Trichloroethane	0.0187	0.0019	mg/Kg dry	0.0193	ND	96.7	70-130			
1,1,2-Trichloroethane	0.0183	0.0019	mg/Kg dry	0.0193	ND	94.8	70-130			
Trichloroethylene	0.0187	0.0019	mg/Kg dry	0.0193	ND	96.7	70-130			
Trichlorofluoromethane (Freon 11)	0.0204	0.0097	mg/Kg dry	0.0193	ND	105	70-130			
1,2,3-Trichloropropane	0.0172	0.0019	mg/Kg dry	0.0193	ND	89.2	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0211	0.0097	mg/Kg dry	0.0193	ND	109	70-130			
1,2,4-Trimethylbenzene	0.0185	0.0019	mg/Kg dry	0.0193	ND	95.9	70-130			
1,3,5-Trimethylbenzene	0.0192	0.0019	mg/Kg dry	0.0193	ND	99.3	70-130			
Vinyl Chloride	0.0136	0.0097	mg/Kg dry	0.0193	ND	70.5	70-130			
m+p Xylene	0.0395	0.0039	mg/Kg dry	0.0386	ND	102	70-130			
o-Xylene	0.0200	0.0019	mg/Kg dry	0.0193	ND	103	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0421*		mg/Kg dry	0.0483		87.2	70-130			
Surrogate: Toluene-d8	*0.0468*		mg/Kg dry	0.0483		96.9	70-130			
Surrogate: 4-Bromofluorobenzene	*0.0420*		mg/Kg dry	0.0483		87.0	70-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B013464 - SW-846 3546										
Blank (B013464-BLK1)			Prepared & Analyzed: 05/11/10							
Acenaphthene	ND	0.17	mg/Kg wet							
Acenaphthylene	ND	0.17	mg/Kg wet							
Anthracene	ND	0.17	mg/Kg wet							
Benzo(a)anthracene	ND	0.17	mg/Kg wet							
Benzo(a)pyrene	ND	0.17	mg/Kg wet							
Benzo(b)fluoranthene	ND	0.17	mg/Kg wet							
Benzo(g,h,i)perylene	ND	0.17	mg/Kg wet							
Benzo(k)fluoranthene	ND	0.17	mg/Kg wet							
Chrysene	ND	0.17	mg/Kg wet							
Dibenz(a,h)anthracene	ND	0.17	mg/Kg wet							
Fluoranthene	ND	0.17	mg/Kg wet							
Fluorene	ND	0.17	mg/Kg wet							
Indeno(1,2,3-cd)pyrene	ND	0.17	mg/Kg wet							
2-Methylnaphthalene	ND	0.17	mg/Kg wet							
Naphthalene	ND	0.17	mg/Kg wet							
Phenanthrene	ND	0.17	mg/Kg wet							
Pyrene	ND	0.17	mg/Kg wet							
Surrogate: Nitrobenzene-d5	*2.24*		mg/Kg wet	3.33		67.0	30-130			
Surrogate: 2-Fluorobiphenyl	*2.33*		mg/Kg wet	3.33		69.9	30-130			
Surrogate: Terphenyl-d14	*4.18*		mg/Kg wet	3.33		125	30-130			
LCS (B013464-BS1)			Prepared & Analyzed: 05/11/10							
Acenaphthene	1.24	0.17	mg/Kg wet	1.67		74.5	40-140			
Acenaphthylene	1.24	0.17	mg/Kg wet	1.67		74.6	40-140			
Anthracene	1.36	0.17	mg/Kg wet	1.67		81.6	40-140			
Benzo(a)anthracene	1.52	0.17	mg/Kg wet	1.67		91.0	40-140			
Benzo(a)pyrene	1.40	0.17	mg/Kg wet	1.67		83.7	40-140			
Benzo(b)fluoranthene	1.33	0.17	mg/Kg wet	1.67		79.6	40-140			
Benzo(g,h,i)perylene	1.68	0.17	mg/Kg wet	1.67		101	40-140			
Benzo(k)fluoranthene	1.29	0.17	mg/Kg wet	1.67		77.6	40-140			
Chrysene	1.52	0.17	mg/Kg wet	1.67		91.0	40-140			
Dibenz(a,h)anthracene	1.66	0.17	mg/Kg wet	1.67		99.5	40-140			
Fluoranthene	1.32	0.17	mg/Kg wet	1.67		79.1	40-140			
Fluorene	1.30	0.17	mg/Kg wet	1.67		77.9	40-140			
Indeno(1,2,3-cd)pyrene	1.77	0.17	mg/Kg wet	1.67		106	40-140			
2-Methylnaphthalene	1.31	0.17	mg/Kg wet	1.67		78.5	40-140			
Naphthalene	1.22	0.17	mg/Kg wet	1.67		73.3	40-140			
Phenanthrene	1.30	0.17	mg/Kg wet	1.67		78.1	40-140			
Pyrene	1.88	0.17	mg/Kg wet	1.67		113	40-140			
Surrogate: Nitrobenzene-d5	*2.42*		mg/Kg wet	3.33		72.7	30-130			
Surrogate: 2-Fluorobiphenyl	*2.62*		mg/Kg wet	3.33		78.5	30-130			
Surrogate: Terphenyl-d14	*3.91*		mg/Kg wet	3.33		117	30-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B013464 - SW-846 3546										
LCS Dup (B013464-BSD1)				Prepared & Analyzed: 05/11/10						
Acenaphthene	1.32	0.17	mg/Kg wet	1.67		79.0	40-140	5.91	30	
Acenaphthylene	1.31	0.17	mg/Kg wet	1.67		78.5	40-140	5.10	30	
Anthracene	1.39	0.17	mg/Kg wet	1.67		83.3	40-140	2.06	30	
Benzo(a)anthracene	1.57	0.17	mg/Kg wet	1.67		94.4	40-140	3.69	30	
Benzo(a)pyrene	1.47	0.17	mg/Kg wet	1.67		88.4	40-140	5.37	30	
Benzo(b)fluoranthene	1.42	0.17	mg/Kg wet	1.67		84.9	40-140	6.42	30	
Benzo(g,h,i)perylene	1.86	0.17	mg/Kg wet	1.67		112	40-140	10.7	30	
Benzo(k)fluoranthene	1.33	0.17	mg/Kg wet	1.67		79.5	40-140	2.47	30	
Chrysene	1.57	0.17	mg/Kg wet	1.67		94.0	40-140	3.26	30	
Dibenz(a,h)anthracene	1.85	0.17	mg/Kg wet	1.67		111	40-140	10.7	30	
Fluoranthene	1.23	0.17	mg/Kg wet	1.67		73.7	40-140	7.04	30	
Fluorene	1.40	0.17	mg/Kg wet	1.67		84.3	40-140	7.87	30	
Indeno(1,2,3-cd)pyrene	1.91	0.17	mg/Kg wet	1.67		114	40-140	7.46	30	
2-Methylnaphthalene	1.41	0.17	mg/Kg wet	1.67		84.3	40-140	7.22	30	
Naphthalene	1.25	0.17	mg/Kg wet	1.67		75.3	40-140	2.69	30	
Phenanthrene	1.36	0.17	mg/Kg wet	1.67		81.7	40-140	4.48	30	
Pyrene	1.92	0.17	mg/Kg wet	1.67		115	40-140	1.93	30	
Surrogate: Nitrobenzene-d5	*2.47*		mg/Kg wet	3.33		74.2	30-130			
Surrogate: 2-Fluorobiphenyl	*2.56*		mg/Kg wet	3.33		76.8	30-130			
Surrogate: Terphenyl-d14	*3.91*		mg/Kg wet	3.33		117	30-130			
Matrix Spike (B013464-MS1)		**Source: 10E0185-10**		Prepared & Analyzed: 05/11/10						
Acenaphthene	1.24	0.19	mg/Kg dry	1.90	ND	64.9	40-140			
Acenaphthylene	1.23	0.19	mg/Kg dry	1.90	ND	64.6	40-140			
Anthracene	1.36	0.19	mg/Kg dry	1.90	ND	71.4	40-140			
Benzo(a)anthracene	1.48	0.19	mg/Kg dry	1.90	ND	77.9	40-140			
Benzo(a)pyrene	1.34	0.19	mg/Kg dry	1.90	ND	70.4	40-140			
Benzo(b)fluoranthene	1.28	0.19	mg/Kg dry	1.90	ND	67.5	40-140			
Benzo(g,h,i)perylene	1.72	0.19	mg/Kg dry	1.90	ND	90.6	40-140			
Benzo(k)fluoranthene	1.27	0.19	mg/Kg dry	1.90	ND	66.5	40-140			
Chrysene	1.49	0.19	mg/Kg dry	1.90	ND	78.1	40-140			
Dibenz(a,h)anthracene	1.70	0.19	mg/Kg dry	1.90	ND	89.2	40-140			
Fluoranthene	1.30	0.19	mg/Kg dry	1.90	ND	68.5	40-140			
Fluorene	1.29	0.19	mg/Kg dry	1.90	ND	67.8	40-140			
Indeno(1,2,3-cd)pyrene	1.79	0.19	mg/Kg dry	1.90	ND	93.9	40-140			
2-Methylnaphthalene	1.30	0.19	mg/Kg dry	1.90	ND	68.4	40-140			
Naphthalene	1.22	0.19	mg/Kg dry	1.90	ND	64.1	40-140			
Phenanthrene	1.29	0.19	mg/Kg dry	1.90	ND	67.7	40-140			
Pyrene	2.05	0.19	mg/Kg dry	1.90	ND	108	40-140			
Surrogate: Nitrobenzene-d5	*2.29*		mg/Kg dry	3.81		60.1	30-130			
Surrogate: 2-Fluorobiphenyl	*2.47*		mg/Kg dry	3.81		64.8	30-130			
Surrogate: Terphenyl-d14	*4.21*		mg/Kg dry	3.81		110	30-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B013464 - SW-846 3546										
Matrix Spike Dup (B013464-MSD1)	**Source: 10E0185-10**		Prepared & Analyzed: 05/11/10							
Acenaphthene	1.13	0.19	mg/Kg dry	1.90	ND	59.4	40-140	8.94	30	
Acenaphthylene	1.14	0.19	mg/Kg dry	1.90	ND	60.1	40-140	7.25	30	
Anthracene	1.20	0.19	mg/Kg dry	1.90	ND	63.0	40-140	12.4	30	
Benzo(a)anthracene	1.35	0.19	mg/Kg dry	1.90	ND	70.7	40-140	9.71	30	
Benzo(a)pyrene	1.25	0.19	mg/Kg dry	1.90	ND	65.7	40-140	6.97	30	
Benzo(b)fluoranthene	1.21	0.19	mg/Kg dry	1.90	ND	63.3	40-140	6.33	30	
Benzo(g,h,i)perylene	1.53	0.19	mg/Kg dry	1.90	ND	80.1	40-140	12.3	30	
Benzo(k)fluoranthene	1.17	0.19	mg/Kg dry	1.90	ND	61.3	40-140	8.17	30	
Chrysene	1.28	0.19	mg/Kg dry	1.90	ND	67.0	40-140	15.3	30	
Dibenz(a,h)anthracene	1.49	0.19	mg/Kg dry	1.90	ND	78.0	40-140	13.4	30	
Fluoranthene	1.28	0.19	mg/Kg dry	1.90	ND	67.2	40-140	1.95	30	
Fluorene	1.20	0.19	mg/Kg dry	1.90	ND	63.1	40-140	7.24	30	
Indeno(1,2,3-cd)pyrene	1.58	0.19	mg/Kg dry	1.90	ND	83.1	40-140	12.2	30	
2-Methylnaphthalene	1.20	0.19	mg/Kg dry	1.90	ND	62.8	40-140	8.51	30	
Naphthalene	1.09	0.19	mg/Kg dry	1.90	ND	57.1	40-140	11.5	30	
Phenanthrene	1.17	0.19	mg/Kg dry	1.90	ND	61.3	40-140	9.95	30	
Pyrene	1.66	0.19	mg/Kg dry	1.90	ND	87.2	40-140	21.2	30	
Surrogate: Nitrobenzene-d5	*2.13*		mg/Kg dry	3.81		55.8	30-130			
Surrogate: 2-Fluorobiphenyl	*2.26*		mg/Kg dry	3.81		59.3	30-130			
Surrogate: Terphenyl-d14	*3.46*		mg/Kg dry	3.81		90.7	30-130			

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QUALITY CONTROL

Organochloride Pesticides by GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B013552 - SW-846 3546										
Blank (B013552-BLK1)			Prepared: 05/12/10 Analyzed: 05/17/10							
Alachlor	ND	0.020	mg/Kg wet							
Alachlor [2C]	ND	0.020	mg/Kg wet							
Aldrin	ND	0.0050	mg/Kg wet							
Aldrin [2C]	ND	0.0050	mg/Kg wet							
alpha-BHC	ND	0.0050	mg/Kg wet							
alpha-BHC [2C]	ND	0.0050	mg/Kg wet							
beta-BHC	ND	0.0050	mg/Kg wet							
beta-BHC [2C]	ND	0.0050	mg/Kg wet							
delta-BHC	ND	0.0050	mg/Kg wet							
delta-BHC [2C]	ND	0.0050	mg/Kg wet							
gamma-BHC (Lindane)	ND	0.0030	mg/Kg wet							
gamma-BHC (Lindane) [2C]	ND	0.0030	mg/Kg wet							
Chlordane	ND	0.020	mg/Kg wet							
Chlordane [2C]	ND	0.020	mg/Kg wet							
4,4'-DDD	ND	0.0080	mg/Kg wet							
4,4'-DDD [2C]	ND	0.0080	mg/Kg wet							
4,4'-DDE	ND	0.0040	mg/Kg wet							
4,4'-DDE [2C]	ND	0.0040	mg/Kg wet							
4,4'-DDT	ND	0.0080	mg/Kg wet							
4,4'-DDT [2C]	ND	0.0080	mg/Kg wet							
Dieldrin	ND	0.0020	mg/Kg wet							
Dieldrin [2C]	ND	0.0020	mg/Kg wet							
Endosulfan I	ND	0.0050	mg/Kg wet							
Endosulfan I [2C]	ND	0.0050	mg/Kg wet							
Endosulfan II	ND	0.0080	mg/Kg wet							
Endosulfan II [2C]	ND	0.0080	mg/Kg wet							
Endosulfan Sulfate	ND	0.0080	mg/Kg wet							
Endosulfan Sulfate [2C]	ND	0.0080	mg/Kg wet							
Endrin	ND	0.0080	mg/Kg wet							
Endrin [2C]	ND	0.0080	mg/Kg wet							
Endrin Aldehyde	ND	0.0080	mg/Kg wet							
Endrin Aldehyde [2C]	ND	0.0080	mg/Kg wet							
Endrin Ketone	ND	0.0080	mg/Kg wet							
Endrin Ketone [2C]	ND	0.0080	mg/Kg wet							
Heptachlor	ND	0.0050	mg/Kg wet							
Heptachlor [2C]	ND	0.0050	mg/Kg wet							
Heptachlor Epoxide	ND	0.0050	mg/Kg wet							
Heptachlor Epoxide [2C]	ND	0.0050	mg/Kg wet							
Hexachlorobenzene	ND	0.0050	mg/Kg wet							
Hexachlorobenzene [2C]	ND	0.0050	mg/Kg wet							
Methoxychlor	ND	0.050	mg/Kg wet							
Methoxychlor [2C]	ND	0.050	mg/Kg wet							
Toxaphene	ND	0.10	mg/Kg wet							
Toxaphene [2C]	ND	0.10	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.217*		mg/Kg wet	0.200		109	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.227*		mg/Kg wet	0.200		113	30-150			
Surrogate: Tetrachloro-m-xylene	*0.209*		mg/Kg wet	0.200		104	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.218*		mg/Kg wet	0.200		109	30-150			

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QUALITY CONTROL

Organochloride Pesticides by GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B013552 - SW-846 3546										
LCS (B013552-BS1)				Prepared: 05/12/10 Analyzed: 05/17/10						
Alachlor	0.021	0.020	mg/Kg wet	0.0200		103	40-140			
Alachlor [2C]	0.021	0.020	mg/Kg wet	0.0200		103	40-140			
Aldrin	0.020	0.0050	mg/Kg wet	0.0200		97.6	40-140			
Aldrin [2C]	0.020	0.0050	mg/Kg wet	0.0200		99.8	40-140			
alpha-BHC	0.019	0.0050	mg/Kg wet	0.0200		96.7	40-140			
alpha-BHC [2C]	0.020	0.0050	mg/Kg wet	0.0200		98.9	40-140			
beta-BHC	0.019	0.0050	mg/Kg wet	0.0200		93.8	40-140			
beta-BHC [2C]	0.019	0.0050	mg/Kg wet	0.0200		94.2	40-140			
delta-BHC	0.017	0.0050	mg/Kg wet	0.0200		85.3	40-140			
delta-BHC [2C]	0.017	0.0050	mg/Kg wet	0.0200		85.5	40-140			
gamma-BHC (Lindane)	0.020	0.0030	mg/Kg wet	0.0200		99.2	40-140			
gamma-BHC (Lindane) [2C]	0.020	0.0030	mg/Kg wet	0.0200		99.8	40-140			
4,4'-DDD	0.019	0.0080	mg/Kg wet	0.0200		96.9	40-140			
4,4'-DDD [2C]	0.019	0.0080	mg/Kg wet	0.0200		96.1	40-140			
4,4'-DDE	0.020	0.0040	mg/Kg wet	0.0200		98.6	40-140			
4,4'-DDE [2C]	0.019	0.0040	mg/Kg wet	0.0200		96.8	40-140			
4,4'-DDT	0.019	0.0080	mg/Kg wet	0.0200		93.4	40-140			
4,4'-DDT [2C]	0.018	0.0080	mg/Kg wet	0.0200		91.3	40-140			
Dieldrin	0.020	0.0020	mg/Kg wet	0.0200		99.9	40-140			
Dieldrin [2C]	0.020	0.0020	mg/Kg wet	0.0200		97.8	40-140			
Endosulfan I	0.019	0.0050	mg/Kg wet	0.0200		96.8	40-140			
Endosulfan I [2C]	0.019	0.0050	mg/Kg wet	0.0200		96.2	40-140			
Endosulfan II	0.019	0.0080	mg/Kg wet	0.0200		97.1	40-140			
Endosulfan II [2C]	0.019	0.0080	mg/Kg wet	0.0200		95.5	40-140			
Endosulfan Sulfate	0.019	0.0080	mg/Kg wet	0.0200		92.8	40-140			
Endosulfan Sulfate [2C]	0.018	0.0080	mg/Kg wet	0.0200		92.4	40-140			
Endrin	0.020	0.0080	mg/Kg wet	0.0200		99.3	40-140			
Endrin [2C]	0.019	0.0080	mg/Kg wet	0.0200		96.5	40-140			
Endrin Aldehyde	0.016	0.0080	mg/Kg wet	0.0200		81.5	40-140			
Endrin Aldehyde [2C]	0.016	0.0080	mg/Kg wet	0.0200		80.7	40-140			
Endrin Ketone	0.019	0.0080	mg/Kg wet	0.0200		95.0	40-140			
Endrin Ketone [2C]	0.019	0.0080	mg/Kg wet	0.0200		96.2	40-140			
Heptachlor	0.020	0.0050	mg/Kg wet	0.0200		98.9	40-140			
Heptachlor [2C]	0.020	0.0050	mg/Kg wet	0.0200		99.7	40-140			
Heptachlor Epoxide	0.020	0.0050	mg/Kg wet	0.0200		98.0	40-140			
Heptachlor Epoxide [2C]	0.020	0.0050	mg/Kg wet	0.0200		97.6	40-140			
Hexachlorobenzene	0.020	0.0050	mg/Kg wet	0.0200		101	40-140			
Hexachlorobenzene [2C]	0.020	0.0050	mg/Kg wet	0.0200		99.5	40-140			
Methoxychlor	0.020	0.050	mg/Kg wet	0.0200		100	40-140			
Methoxychlor [2C]	0.020	0.050	mg/Kg wet	0.0200		98.5	40-140			
Surrogate: Decachlorobiphenyl	*0.195*		mg/Kg wet	0.200		97.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.206*		mg/Kg wet	0.200		103	30-150			
Surrogate: Tetrachloro-m-xylene	*0.190*		mg/Kg wet	0.200		95.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.199*		mg/Kg wet	0.200		99.4	30-150			

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QUALITY CONTROL

Organochloride Pesticides by GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B013552 - SW-846 3546										
LCS Dup (B013552-BSD1)				Prepared: 05/12/10 Analyzed: 05/17/10						
Alachlor	0.022	0.020	mg/Kg wet	0.0200		112	40-140	7.84	30	
Alachlor [2C]	0.022	0.020	mg/Kg wet	0.0200		111	40-140	7.56	30	
Aldrin	0.021	0.0050	mg/Kg wet	0.0200		105	40-140	7.49	30	
Aldrin [2C]	0.022	0.0050	mg/Kg wet	0.0200		109	40-140	8.51	30	
alpha-BHC	0.021	0.0050	mg/Kg wet	0.0200		106	40-140	9.36	30	
alpha-BHC [2C]	0.022	0.0050	mg/Kg wet	0.0200		109	40-140	10.0	30	
beta-BHC	0.020	0.0050	mg/Kg wet	0.0200		102	40-140	8.40	30	
beta-BHC [2C]	0.021	0.0050	mg/Kg wet	0.0200		103	40-140	9.09	30	
delta-BHC	0.019	0.0050	mg/Kg wet	0.0200		93.3	40-140	8.91	30	
delta-BHC [2C]	0.019	0.0050	mg/Kg wet	0.0200		94.8	40-140	10.4	30	
gamma-BHC (Lindane)	0.022	0.0030	mg/Kg wet	0.0200		108	40-140	8.48	30	
gamma-BHC (Lindane) [2C]	0.022	0.0030	mg/Kg wet	0.0200		110	40-140	9.70	30	
4,4'-DDD	0.021	0.0080	mg/Kg wet	0.0200		105	40-140	7.87	30	
4,4'-DDD [2C]	0.021	0.0080	mg/Kg wet	0.0200		104	40-140	8.23	30	
4,4'-DDE	0.021	0.0040	mg/Kg wet	0.0200		106	40-140	7.65	30	
4,4'-DDE [2C]	0.021	0.0040	mg/Kg wet	0.0200		106	40-140	8.70	30	
4,4'-DDT	0.020	0.0080	mg/Kg wet	0.0200		101	40-140	8.20	30	
4,4'-DDT [2C]	0.020	0.0080	mg/Kg wet	0.0200		99.9	40-140	8.94	30	
Dieldrin	0.022	0.0020	mg/Kg wet	0.0200		108	40-140	7.46	30	
Dieldrin [2C]	0.021	0.0020	mg/Kg wet	0.0200		106	40-140	8.21	30	
Endosulfan I	0.021	0.0050	mg/Kg wet	0.0200		104	40-140	7.19	30	
Endosulfan I [2C]	0.021	0.0050	mg/Kg wet	0.0200		104	40-140	8.12	30	
Endosulfan II	0.021	0.0080	mg/Kg wet	0.0200		105	40-140	7.91	30	
Endosulfan II [2C]	0.021	0.0080	mg/Kg wet	0.0200		104	40-140	8.24	30	
Endosulfan Sulfate	0.020	0.0080	mg/Kg wet	0.0200		102	40-140	8.98	30	
Endosulfan Sulfate [2C]	0.020	0.0080	mg/Kg wet	0.0200		101	40-140	8.53	30	
Endrin	0.021	0.0080	mg/Kg wet	0.0200		105	40-140	5.48	30	
Endrin [2C]	0.021	0.0080	mg/Kg wet	0.0200		103	40-140	6.26	30	
Endrin Aldehyde	0.018	0.0080	mg/Kg wet	0.0200		87.6	40-140	7.25	30	
Endrin Aldehyde [2C]	0.017	0.0080	mg/Kg wet	0.0200		86.5	40-140	6.98	30	
Endrin Ketone	0.021	0.0080	mg/Kg wet	0.0200		104	40-140	8.87	30	
Endrin Ketone [2C]	0.021	0.0080	mg/Kg wet	0.0200		106	40-140	9.62	30	
Heptachlor	0.021	0.0050	mg/Kg wet	0.0200		106	40-140	7.24	30	
Heptachlor [2C]	0.022	0.0050	mg/Kg wet	0.0200		108	40-140	8.20	30	
Heptachlor Epoxide	0.021	0.0050	mg/Kg wet	0.0200		105	40-140	6.98	30	
Heptachlor Epoxide [2C]	0.021	0.0050	mg/Kg wet	0.0200		106	40-140	8.11	30	
Hexachlorobenzene	0.022	0.0050	mg/Kg wet	0.0200		109	40-140	8.06	30	
Hexachlorobenzene [2C]	0.022	0.0050	mg/Kg wet	0.0200		108	40-140	8.50	30	
Methoxychlor	0.021	0.050	mg/Kg wet	0.0200		107	40-140	6.33	30	
Methoxychlor [2C]	0.021	0.050	mg/Kg wet	0.0200		107	40-140	8.54	30	
Surrogate: Decachlorobiphenyl	*0.211*		mg/Kg wet	0.200		106	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.222*		mg/Kg wet	0.200		111	30-150			
Surrogate: Tetrachloro-m-xylene	*0.204*		mg/Kg wet	0.200		102	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.214*		mg/Kg wet	0.200		107	30-150			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B013463 - SW-846 3546										
Blank (B013463-BLK1)				Prepared & Analyzed: 05/11/10						
CT ETPH	ND	10	mg/Kg wet							
Surrogate: o-Terphenyl	*3.06*		mg/Kg wet	3.33		91.8	50-150			
LCS (B013463-BS1)				Prepared & Analyzed: 05/11/10						
CT ETPH	27.4	10	mg/Kg wet	33.3		82.3	60-120			
Surrogate: o-Terphenyl	*2.82*		mg/Kg wet	3.33		84.5	60-120			
LCS Dup (B013463-BSD1)				Prepared & Analyzed: 05/11/10						
CT ETPH	28.8	10	mg/Kg wet	33.3		86.3	60-120	4.82	30	
Surrogate: o-Terphenyl	*2.85*		mg/Kg wet	3.33		85.6	60-120			
Matrix Spike (B013463-MS1)	**Source: 10E0185-01**			Prepared & Analyzed: 05/11/10						
CT ETPH	45.7	11	mg/Kg dry	37.2	22.9	61.5	50-150			
Surrogate: o-Terphenyl	*2.47*		mg/Kg dry	3.72		66.4	50-150			
Matrix Spike Dup (B013463-MSD1)	**Source: 10E0185-01**			Prepared & Analyzed: 05/11/10						
CT ETPH	65.3	11	mg/Kg dry	37.2	22.9	114	50-150	35.2 *	30	MS-13
Surrogate: o-Terphenyl	*2.72*		mg/Kg dry	3.72		73.2	50-150			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B013471 - SW-846 3050B										
Blank (B013471-BLK1)				Prepared: 05/11/10 Analyzed: 05/12/10						
Arsenic	ND	2.5	mg/Kg wet							
Barium	ND	2.5	mg/Kg wet							
Cadmium	ND	0.25	mg/Kg wet							
Chromium	ND	0.49	mg/Kg wet							
Lead	ND	0.74	mg/Kg wet							
Selenium	ND	4.9	mg/Kg wet							
Silver	ND	0.49	mg/Kg wet							
LCS (B013471-BS1)				Prepared: 05/11/10 Analyzed: 05/12/10						
Arsenic	169	5.0	mg/Kg wet	158		107	81.6-118.4			
Barium	356	5.0	mg/Kg wet	348		102	80.7-119.3			
Cadmium	188	0.50	mg/Kg wet	187		100	82.4-117.6			
Chromium	88.8	1.0	mg/Kg wet	89.6		99.1	78.8-120.7			
Lead	168	1.5	mg/Kg wet	172		97.6	79.1-120.3			
Selenium	150	10	mg/Kg wet	148		101	78.4-120.9			
Silver	59.7	1.0	mg/Kg wet	66.1		90.3	66.2-133.6			
LCS (B013471-BS2)				Prepared: 05/11/10 Analyzed: 05/12/10						
Lead	0.870	0.75	mg/Kg wet	0.746		117	79.1-120.3			
LCS Dup (B013471-BSD1)				Prepared: 05/11/10 Analyzed: 05/12/10						
Arsenic	167	5.0	mg/Kg wet	158		106	81.6-118.4	1.14	30	
Barium	355	5.0	mg/Kg wet	347		102	80.7-119.3	0.288	30	
Cadmium	194	0.50	mg/Kg wet	187		104	82.4-117.6	3.47	30	
Chromium	91.1	1.0	mg/Kg wet	89.3		102	78.8-120.7	2.56	30	
Lead	163	1.5	mg/Kg wet	172		95.0	79.1-120.3	3.11	30	
Selenium	151	10	mg/Kg wet	148		103	78.4-120.9	1.23	30	
Silver	59.9	1.0	mg/Kg wet	65.8		90.9	66.2-133.6	0.318	30	
Duplicate (B013471-DUP1)	**Source: 10E0185-04**			Prepared: 05/11/10 Analyzed: 05/12/10						
Arsenic	6.68	2.9	mg/Kg dry		7.10			6.02	35	
Barium	121	2.9	mg/Kg dry		110			10.0	35	
Cadmium	1.09	0.29	mg/Kg dry		0.951			14.1	35	
Chromium	163	0.58	mg/Kg dry		115			33.9	35	
Lead	45.7	0.87	mg/Kg dry		46.1			0.985	35	
Selenium	ND	5.8	mg/Kg dry		ND			NC	35	
Silver	ND	0.58	mg/Kg dry		ND			NC	35	
Matrix Spike (B013471-MS1)	**Source: 10E0185-04**			Prepared: 05/11/10 Analyzed: 05/12/10						
Arsenic	36.7	2.9	mg/Kg dry	28.8	7.10	103	75-125			
Barium	154	2.9	mg/Kg dry	28.8	110	153 *	75-125			MS-11
Cadmium	31.7	0.29	mg/Kg dry	28.8	0.951	107	75-125			
Chromium	146	0.58	mg/Kg dry	28.8	115	105	75-125			
Lead	76.0	0.86	mg/Kg dry	28.8	46.1	104	75-125			
Selenium	28.0	5.8	mg/Kg dry	28.8	ND	97.2	75-125			
Silver	26.7	0.58	mg/Kg dry	28.8	ND	92.6	75-125			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B013483 - SW-846 7471A										
Blank (B013483-BLK1)				Prepared: 05/11/10 Analyzed: 05/12/10						
Mercury	ND	0.025	mg/Kg wet							
LCS (B013483-BS1)				Prepared: 05/11/10 Analyzed: 05/12/10						
Mercury	1.03	0.025	mg/Kg wet	1.07		95.7	66-132			
LCS Dup (B013483-BSD1)				Prepared: 05/11/10 Analyzed: 05/12/10						
Mercury	0.983	0.025	mg/Kg wet	1.04		94.5	66-132	4.39	30	

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QUALITY CONTROL

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B013457 - % Solids										
Duplicate (B013457-DUP2)		**Source: 10E0185-01**		Prepared: 05/11/10 Analyzed: 05/12/10						
% Solids	86.0		% Wt		89.7			4.21	20	

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BREAKDOWN REPORT

Lab Sample ID:	S000349-PEM1	Analyzed:	05/17/2010

Column Number:	1
Analyte	% Breakdown
4,4'-DDT [1]	0.00
Endrin [1]	8.62

Column Number:	2
Analyte	% Breakdown
4,4'-DDT [2]	0.00
Endrin [2]	8.33

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits estabished for difficult compound.
‡	Wide RPD limits estabished for difficult compound.
#	Data exceeded client recommended or regulatory level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
L-07A	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD outside of control limits. Reduced precision anticipated for any reported result for this compound.
MS-07	Matrix spike recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possiblity of sample matrix effects that lead to low bias for reported result or non-homogeneous sample aliquot cannot be eliminated.
MS-08	Matrix spike recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.
MS-11	Matrix spike recovery outside of control limits. Possibility of sample matrix effects that lead to a high bias for reported result or non-homogeneous sample aliquots cannot be eliminated.
MS-13	Either matrix spike or matrix spike duplicate is outside of control limits, but the other is within limits. Outlier should be viewed as a one time anomaly.
R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy are associated with reported result.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
CTDEP ETPH in Soil	
CT ETPH	CT
SW-846 6010B in Soil	
Arsenic	CT,NH,NY
Barium	CT,NH,NY
Cadmium	CT,NH,NY
Chromium	CT,NH,NY
Lead	CT,NH,NY,AIHA
Selenium	CT,NH,NY
Silver	CT,NH,NY,NC
SW-846 7471A in Soil	
Mercury	CT,NH,NY
SW-846 8081A in Product/Solid	
Aldrin	CT,NH,NY
Aldrin [2C]	CT,NH,NY
alpha-BHC	CT,NH,NY
alpha-BHC [2C]	CT,NH,NY
beta-BHC	CT,NH,NY
beta-BHC [2C]	CT,NH,NY
delta-BHC	CT,NH,NY
delta-BHC [2C]	CT,NH,NY
gamma-BHC (Lindane)	CT,NH,NY
gamma-BHC (Lindane) [2C]	CT,NH,NY
Chlordane	CT,NH,NY
Chlordane [2C]	CT,NH,NY
4,4'-DDD	CT,NH,NY
4,4'-DDD [2C]	CT,NH,NY
4,4'-DDE	CT,NH,NY
4,4'-DDE [2C]	CT,NH,NY
4,4'-DDT	CT,NH,NY
4,4'-DDT [2C]	CT,NH,NY
Dieldrin	CT,NH,NY
Dieldrin [2C]	CT,NH,NY
Endosulfan I	CT,NH,NY
Endosulfan I [2C]	CT,NH,NY
Endosulfan II	CT,NH,NY
Endosulfan II [2C]	CT,NH,NY
Endosulfan Sulfate	CT,NH,NY
Endosulfan Sulfate [2C]	CT,NH,NY
Endrin	CT,NH,NY
Endrin [2C]	CT,NH,NY
Endrin Aldehyde	CT,NH,NY
Endrin Aldehyde [2C]	CT,NH,NY
Heptachlor	CT,NH,NY
Heptachlor [2C]	CT,NH,NY
Heptachlor Epoxide	CT,NH,NY
Heptachlor Epoxide [2C]	CT,NH,NY

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8081A in Product/Solid	
Methoxychlor	CT,NH,NY
Methoxychlor [2C]	CT,NH,NY
Toxaphene	CT,NH,NY
Toxaphene [2C]	CT,NH,NY
SW-846 8081A in Soil	
Aldrin	CT,NH,NY
Aldrin [2C]	CT,NH,NY
alpha-BHC	CT,NH,NY
alpha-BHC [2C]	CT,NH,NY
beta-BHC	CT,NH,NY
beta-BHC [2C]	CT,NH,NY
delta-BHC	CT,NH,NY
delta-BHC [2C]	CT,NH,NY
gamma-BHC (Lindane)	CT,NH,NY
gamma-BHC (Lindane) [2C]	CT,NH,NY
Chlordane	CT,NH,NY
Chlordane [2C]	CT,NH,NY
4,4'-DDD	CT,NH,NY
4,4'-DDD [2C]	CT,NH,NY
4,4'-DDE	CT,NH,NY
4,4'-DDE [2C]	CT,NH,NY
4,4'-DDT	CT,NH,NY
4,4'-DDT [2C]	CT,NH,NY
Dieldrin	CT,NH,NY
Dieldrin [2C]	CT,NH,NY
Endosulfan I	CT,NH,NY
Endosulfan I [2C]	CT,NH,NY
Endosulfan II	CT,NH,NY
Endosulfan II [2C]	CT,NH,NY
Endosulfan Sulfate	CT,NH,NY
Endosulfan Sulfate [2C]	CT,NH,NY
Endrin	CT,NH,NY
Endrin [2C]	CT,NH,NY
Endrin Aldehyde	CT,NH,NY
Endrin Aldehyde [2C]	CT,NH,NY
Heptachlor	CT,NH,NY
Heptachlor [2C]	CT,NH,NY
Heptachlor Epoxide	CT,NH,NY
Heptachlor Epoxide [2C]	CT,NH,NY
Methoxychlor	CT,NH,NY
Methoxychlor [2C]	CT,NH,NY
Toxaphene	CT,NH,NY
Toxaphene [2C]	CT,NH,NY
SW-846 8260B in Soil	
Acetone	CT,NH,NY
Acrylonitrile	CT,NH,NY

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CERTIFICATIONS

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Analyte	Certifications
SW-846 8260B in Soil	
Benzene	CT,NH,NY
Bromobenzene	NH,NY
Bromodichloromethane	CT,NH,NY
Bromoform	CT,NH,NY
Bromomethane	CT,NH,NY
2-Butanone (MEK)	CT,NH,NY
n-Butylbenzene	CT,NH,NY
sec-Butylbenzene	CT,NH,NY
tert-Butylbenzene	CT,NH,NY
Carbon Disulfide	CT,NH,NY
Carbon Tetrachloride	CT,NH,NY
Chlorobenzene	CT,NH,NY
Chlorodibromomethane	CT,NH,NY
Chloroethane	CT,NH,NY
Chloroform	CT,NH,NY
Chloromethane	CT,NH,NY
2-Chlorotoluene	CT,NH,NY
4-Chlorotoluene	CT,NH,NY
Dibromomethane	NH,NY
1,2-Dichlorobenzene	CT,NH,NY
1,3-Dichlorobenzene	CT,NH,NY
1,4-Dichlorobenzene	CT,NH,NY
Dichlorodifluoromethane (Freon 12)	NY
1,1-Dichloroethane	CT,NH,NY
1,2-Dichloroethane	CT,NH,NY
1,1-Dichloroethylene	CT,NH,NY
cis-1,2-Dichloroethylene	CT,NH,NY
trans-1,2-Dichloroethylene	CT,NH,NY
1,2-Dichloropropane	CT,NH,NY
1,3-Dichloropropane	NH,NY
2,2-Dichloropropane	NH,NY
1,1-Dichloropropene	NH,NY
cis-1,3-Dichloropropene	CT,NH,NY
trans-1,3-Dichloropropene	CT,NH,NY
Ethylbenzene	CT,NH,NY
Hexachlorobutadiene	NH,NY
2-Hexanone (MBK)	CT,NH,NY
Isopropylbenzene (Cumene)	CT,NH,NY
Methylene Chloride	CT,NH,NY
4-Methyl-2-pentanone (MIBK)	CT,NH,NY
Naphthalene	NH,NY
Styrene	CT,NH,NY
1,1,1,2-Tetrachloroethane	CT,NH,NY
1,1,2,2-Tetrachloroethane	CT,NH,NY
Tetrachloroethylene	CT,NH,NY
Toluene	CT,NH,NY
1,2,4-Trichlorobenzene	NH,NY

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260B in Soil	
1,1,1-Trichloroethane	CT,NH,NY
1,1,2-Trichloroethane	CT,NH,NY
Trichloroethylene	CT,NH,NY
Trichlorofluoromethane (Freon 11)	CT,NH,NY
1,2,3-Trichloropropane	NH,NY
1,2,4-Trimethylbenzene	CT,NH,NY
1,3,5-Trimethylbenzene	CT,NH,NY
Vinyl Chloride	CT,NH,NY
m+p Xylene	CT,NH,NY
o-Xylene	CT,NH,NY
SW-846 8270C in Soil	
Acenaphthene	CT,NY,NH
Acenaphthylene	CT,NY,NH
Anthracene	CT,NY,NH
Benzo(a)anthracene	CT,NY,NH
Benzo(a)pyrene	CT,NY,NH
Benzo(b)fluoranthene	CT,NY,NH
Benzo(g,h,i)perylene	CT,NY,NH
Benzo(k)fluoranthene	CT,NY,NH
Chrysene	CT,NY,NH
Dibenz(a,h)anthracene	CT,NY,NH
Fluoranthene	CT,NY,NH
Fluorene	NY,NH
Indeno(1,2,3-cd)pyrene	CT,NY,NH
2-Methylnaphthalene	CT,NY,NH
Naphthalene	CT,NY,NH
Phenanthrene	CT,NY,NH
Pyrene	CT,NY,NH

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	American Industrial Hygiene Association	100033	01/1/2012
MA	Massachusetts DEP	M-MA100	06/30/2010
CT	Connecticut Department of Public Health	PH-0567	09/30/2011
NY	New York State Department of Health	10899 NELAP	04/1/2011
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2011
RI	Rhode Island Department of Health	LAO00112	12/30/2010
NC	North Carolina Div. of Water Quality	652	12/31/2010
NJ	New Jersey DEP	MA007 NELAP	06/30/2010
FL	Florida Department of Health	E871027 NELAP	06/30/2010
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2010
WA	State of Washington Department of Ecology	C2065	02/23/2011

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Page ____ of ____

Company Name: VHB
Address: 54 Tuttle Place Middletown CT
Attention: Amy V
Project Location: Portland Chemical
Sampled By: AV

Telephone: 860 632-1520
Project # 41223
Client PO# 41223

DATA DELIVERY (check all that apply)
O FAX O EMAIL O WEBSITE
Fax #
Email:
Format: O PDF O EXCEL O GIS O OTHER
O "Enhanced Data Package"

Project Proposal Provided? (for billing purposes)
O yes ____ proposal date

| Con-Test Lab ID (laboratory use only) | Client Sample ID / Description | Collection Beginning Date/Time | Collection Ending Date/Time | Composite | Grab | *Matrix Code | Conc Code | PAHs 8260 C | VOCs 8260 | CT ETPH | 2 cea & metals 6010 | Pesticides 8081 | | |

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Sample Receipt Checklist

39 Spruce St.
East Longmeadow, MA.
01028
P: 413-525-2332
F: 413-525-6405

CLIENT NAME: VHB RECEIVED BY: AA DATE: 5.10.10

1) Was the chain(s) of custody relinquished and signed? (Yes) No

2) Does the chain agree with the samples? (Yes) No

If not, explain:

3) Are all the samples in good condition? (Yes) No

If not, explain:

4) How were the samples received:

On Ice ☑ Direct from Sampling ☐ Ambient ☐ In Cooler(s) ☑

Were the samples received in Temperature Compliance of (2-6°C)? (Yes) No

Temperature °C by Temp blank 2.0 Temperature °C by Temp gun _____

5) Are there Dissolved samples for the lab to filter? Yes (No)

Who was notified _____ Date _____ Time _____

6) Are there any samples "On Hold"? Yes (No) Stored where: _____

7) Are there any RUSH or SHORT HOLDING TIME samples? Yes (No)

Who was notified _____ Date _____ Time _____

8) Location where samples are stored: 19

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved

Client Signature: _____

Containers sent in to Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz clear jar	20
500 mL Amber		4 oz clear jar	
250 mL Amber (8oz amber)		2 oz clear jar	
1 Liter Plastic		Other glass jar	
500 mL Plastic		Plastic Bag / Ziploc	
250 mL plastic		Air Cassette	
40 mL Vial - type listed below	30	Brass Sleeves	
Colisure / bacteria bottle		Tubes	
Dissolved Oxygen bottle		Summa Cans	
Flashpoint bottle		Regulators	
Encore		Other	

Laboratory Comments:

40 mL vials: # HCl _____ # Methanol 10

Bisulfate 20 # DI Water _____ **Time and Date Frozen:** _____

Thiosulfate _____ Unpreserved _____

Do all samples have the proper pH: Yes No N/A

CT ETPH DISCRIMINATION CHECK

Date Acquired	5/11/10
Data File Name	A0511019.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.20	360014	384573	-6
c - 10	1.57	368026	384573	-4
c - 12	2.29	377657	384573	-2
c - 14	2.96	388965	384573	1
c - 16	3.56	400579	384573	4
c - 18	4.10	405375	384573	5
o-Terphenyl	4.34	420872	384573	
c - 20	4.59	402768	384573	5
c - 22	5.04	389594	384573	1
c - 24	5.45	399151	384573	4
c - 26	5.83	396594	384573	3
c - 28	6.19	388996	384573	1
c - 30	6.52	394846	384573	3
c - 32	6.83	370808	384573	-4
c - 34	7.13	373171	384573	-3
c - 36	7.41	352053	384573	-8

* One compound allowed %D </= 50%

10E0185-01
10E0185-02
10E0185-03
10E0185-04
10E0185-06@5X
10E0185-07@5X
10E0185-08
10E0185-09
10E0185-10

D:\HPCHEM\1\DATA\051210.SEC\A0512039.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	5/12/10
Data File Name	A0512039.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.20	372337	397370	-6
c - 10	1.57	384706	397370	-3
c - 12	2.29	397081	397370	0
c - 14	2.96	405740	397370	2
c - 16	3.56	414718	397370	4
c - 18	4.10	417803	397370	5
o-Terphenyl	4.33	434200	397370	
c - 20	4.59	413564	397370	4
c - 22	5.04	399197	397370	0
c - 24	5.45	407990	397370	3
c - 26	5.83	405038	397370	2
c - 28	6.19	397422	397370	0
c - 30	6.52	404633	397370	2
c - 32	6.83	382476	397370	-4
c - 34	7.13	388505	397370	-2
c - 36	7.41	369344	397370	-7

* One compound allowed %D </= 50%

Samples

10E0183-26
10E0183-25@25X
10E0183-32@10X
10E0185-05@10X
10E0203-06
10E0203-07
10E0203-08
10E0203-10

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

Vanasse Hangen Brustlin, Inc. - CT
54 Tuttle Place
Middletown, CT 06457
ATTN: Amy Vaillancourt

REPORT DATE: 6/7/2010

PURCHASE ORDER NUMBER: 41223

PROJECT NUMBER: 41223

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 10E0574

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

PROJECT LOCATION: Portland Chemical

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SW-11	10E0574-01	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010B	
				SW-846 7471A	
				SW-846 8260B	
				SW-846 8270C	
SW-12	10E0574-02	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010B	
				SW-846 7471A	
				SW-846 8081A	
				SW-846 8260B	
				SW-846 8270C	
SW-13	10E0574-03	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010B	
				SW-846 7471A	
				SW-846 8081A	
				SW-846 8260B	
				SW-846 8270C	
SW-14	10E0574-04	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010B	
				SW-846 7471A	
				SW-846 8260B	
				SW-846 8270C	
SW-15	10E0574-05	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010B	
				SW-846 7471A	
				SW-846 8260B	
				SW-846 8270C	
SW-16	10E0574-06	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8081A	
				SW-846 8260B	
SW-17	10E0574-07	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8260B	
				SW-846 8270C	

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Vanasse Hangen Brustlin, Inc. - CT
54 Tuttle Place
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ATTN: Amy Vaillancourt

REPORT DATE: 6/7/2010

PURCHASE ORDER NUMBER: 41223

PROJECT NUMBER: 41223

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 10E0574

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

PROJECT LOCATION: Portland Chemical

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SW-18	10E0574-08	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010B	
				SW-846 7471A	
				SW-846 8260B	
SW-19	10E0574-09	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8081A	
				SW-846 8260B	
				SW-846 8270C	
SW-20	10E0574-10	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010B	
				SW-846 7471A	
				SW-846 8260B	
SW-21	10E0574-11	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8260B	
				SW-846 8270C	
SW-22	10E0574-12	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010B	
				SW-846 7471A	
				SW-846 8260B	
Bottom-23	10E0574-13	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010B	
				SW-846 7471A	
				SW-846 8081A	
				SW-846 8260B	
				SW-846 8270C	
Bottom-24	10E0574-14	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010B	
				SW-846 7471A	
				SW-846 8260B	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

For method 6010, only RCRA 8 metals were requested and reported.
For method 8270, only PAH compounds were requested and reported.

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SW-846 6010B

Qualifications:

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

Lead

B014184-BS1

Duplicate relative percent difference (RPD) is a less useful indicator of sample precision for sample results that are <5 times the reporting limit (RL).

Analyte & Samples(s) Qualified:

Arsenic

10E0574-13[Bottom-23], B014200-DUP1

SW-846 8260B

Qualifications:

Reported result is estimated. Value reported over verified calibration range.

Analyte & Samples(s) Qualified:

m+p Xylene

10E0574-09[SW-19]

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

1,1,2,2-Tetrachloroethane, 1,2,3-Trichlorobenzene, 1,2,3-Trichloropropane, Chlorodibromomethane, trans-1,4-Dichloro-2-butene

B014177-BS1, B014177-BSD1

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD outside of control limits. Reduced precision anticipated for any reported result for this compound.

Analyte & Samples(s) Qualified:

2,2-Dichloropropane

B014177-BS1

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

Analyte & Samples(s) Qualified:

2,2-Dichloropropane, Bromomethane

10E0574-09[SW-19], B014177-BLK1, B014177-BS1, B014177-BSD1

Continuing calibration did not meet method specifications and was biased on the high side for this compound. Significant uncertainty is associated with the reported value which is likely to be biased on the high side.

Analyte & Samples(s) Qualified:

Bromoform, Bromomethane, Chlorodibromomethane

B014135-BS1, B014135-BSD1, B014150-BS1, B014150-BSD1, B014111-BS1, B014111-BSD1, B014177-BS1, B014177-BSD1

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Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy are associated with reported result.

Analyte & Samples(s) Qualified:

2-Butanone (MEK), Acetone, Tetrahydrofuran

10E0574-01[SW-11], 10E0574-02[SW-12], 10E0574-03[SW-13], 10E0574-04[SW-14], 10E0574-05[SW-15], 10E0574-06[SW-16], 10E0574-07[SW-17], 10E0574-08[SW-18], 10E0574-09[SW-19], 10E0574-10[SW-20], 10E0574-11[SW-21], 10E0574-12[SW-22], 10E0574-13[Bottom-23], 10E0574-14[Bottom-24], 10E0574-15[Bottom-25], 10E0574-16[Bottom-26], 10E0574-17[Bottom-27], 10E0574-18[Bottom-28], 10E0574-19[Bottom-29], 10E0574-20[Bottom-30], 10E0574-21[Bottom-31], 10E0574-22[Bottom-32], 10E0574-23[Bottom-33], 10E0574-24[Bottom-34], 10E0574-25[Bottom-35], 10E0574-26[SW-15 Dup], 10E0574-27[Bottom-333 Dup], B014111-BLK1, B014111-BS1, B014111-BSD1, B014135-BLK1, B014135-BS1, B014135-BSD1, B014150-BLK1, B014150-BS1, B014150-BSD1

SW-846 8270C

Qualifications:

Either matrix spike or matrix spike duplicate is outside of control limits, but the other is within limits. Outlier should be viewed as a one time anomaly.

Analyte & Samples(s) Qualified:

Benzo(g,h,i)perylene

B014248-MSD1

SW-846 8260B

The LCS recoveries for required CT reasonable confidence protocol (RCP) 8260 compounds were all within limits specified by the method except for "difficult analytes" where control limits somewhere between 40-160% are used and/or unless otherwise listed in this narrative: Difficult analytes: MIBK, MEK, Tert-butyl Alcohol, Acetone, 1,4-Dioxane, Vinyl Chloride, Chloromethane, Dichlorodifluoromethane, 2-Hexanone, Naphthalene, Bromomethane, Methylene Chloride, and tert-butylbenzene.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Daren J. Damboragian
Laboratory Manager

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

Project Location: Portland Chemical
Sample Description:
Work Order: 10E0574

Date Received: 5/25/2010
Field Sample #: SW-11
Sampled: 5/24/2010 10:08

Sample ID: 10E0574-01
Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.12	mg/Kg dry	1	V-16	SW-846 8260B	5/26/10	5/26/10 12:27	MFF
Acrylonitrile	ND	0.0074	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:27	MFF
Benzene	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:27	MFF
Bromobenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:27	MFF
Bromodichloromethane	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:27	MFF
Bromoform	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:27	MFF
Bromomethane	ND	0.012	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:27	MFF
2-Butanone (MEK)	ND	0.049	mg/Kg dry	1	V-16	SW-846 8260B	5/26/10	5/26/10 12:27	MFF
n-Butylbenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:27	MFF
sec-Butylbenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:27	MFF
tert-Butylbenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:27	MFF
Carbon Disulfide	ND	0.0074	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:27	MFF
Carbon Tetrachloride	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:27	MFF
Chlorobenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:27	MFF
Chlorodibromomethane	ND	0.0012	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:27	MFF
Chloroethane	ND	0.025	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:27	MFF
Chloroform	ND	0.0049	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:27	MFF
Chloromethane	ND	0.012	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:27	MFF
2-Chlorotoluene	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:27	MFF
4-Chlorotoluene	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:27	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:27	MFF
1,2-Dibromoethane (EDB)	ND	0.0012	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:27	MFF
Dibromomethane	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:27	MFF
1,2-Dichlorobenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:27	MFF
1,3-Dichlorobenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:27	MFF
1,4-Dichlorobenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:27	MFF
trans-1,4-Dichloro-2-butene	ND	0.0049	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:27	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.025	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:27	MFF
1,1-Dichloroethane	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:27	MFF
1,2-Dichloroethane	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:27	MFF
1,1-Dichloroethylene	ND	0.0049	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:27	MFF
cis-1,2-Dichloroethylene	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:27	MFF
trans-1,2-Dichloroethylene	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:27	MFF
1,2-Dichloropropane	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:27	MFF
1,3-Dichloropropane	ND	0.0012	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:27	MFF
2,2-Dichloropropane	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:27	MFF
1,1-Dichloropropene	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:27	MFF
cis-1,3-Dichloropropene	ND	0.0012	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:27	MFF
trans-1,3-Dichloropropene	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:27	MFF
Ethylbenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:27	MFF
Hexachlorobutadiene	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:27	MFF
2-Hexanone (MBK)	ND	0.025	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:27	MFF
Isopropylbenzene (Cumene)	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:27	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:27	MFF

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0574

Date Received: 5/25/2010
Field Sample #: SW-11
Sampled: 5/24/2010 10:08

Sample ID: 10E0574-01
Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0049	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:27	MFF
Methylene Chloride	ND	0.025	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:27	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.025	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:27	MFF
Naphthalene	ND	0.0049	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:27	MFF
n-Propylbenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:27	MFF
Styrene	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:27	MFF
1,1,1,2-Tetrachloroethane	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:27	MFF
1,1,2,2-Tetrachloroethane	ND	0.0012	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:27	MFF
Tetrachloroethylene	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:27	MFF
Tetrahydrofuran	ND	0.012	mg/Kg dry	1	V-16	SW-846 8260B	5/26/10	5/26/10 12:27	MFF
Toluene	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:27	MFF
1,2,3-Trichlorobenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:27	MFF
1,2,4-Trichlorobenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:27	MFF
1,1,1-Trichloroethane	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:27	MFF
1,1,2-Trichloroethane	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:27	MFF
Trichloroethylene	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:27	MFF
Trichlorofluoromethane (Freon 11)	ND	0.012	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:27	MFF
1,2,3-Trichloropropane	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:27	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.012	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:27	MFF
1,2,4-Trimethylbenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:27	MFF
1,3,5-Trimethylbenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:27	MFF
Vinyl Chloride	ND	0.012	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:27	MFF
m+p Xylene	ND	0.0049	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:27	MFF
o-Xylene	ND	0.0025	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:27	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	104	70-130		5/26/10 12:27
Toluene-d8	102	70-130		5/26/10 12:27
4-Bromofluorobenzene	101	70-130		5/26/10 12:27

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Project Location: Portland Chemical | Sample Description: | Work Order: 10E0574

Date Received: 5/25/2010

Field Sample #: SW-11 | Sampled: 5/24/2010 10:08

Sample ID: 10E0574-01

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.22	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 15:38	BGL
Acenaphthylene	ND	0.22	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 15:38	BGL
Anthracene	ND	0.22	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 15:38	BGL
Benzo(a)anthracene	ND	0.22	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 15:38	BGL
Benzo(a)pyrene	ND	0.22	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 15:38	BGL
Benzo(b)fluoranthene	ND	0.22	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 15:38	BGL
Benzo(g,h,i)perylene	ND	0.22	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 15:38	BGL
Benzo(k)fluoranthene	ND	0.22	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 15:38	BGL
Chrysene	ND	0.22	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 15:38	BGL
Dibenz(a,h)anthracene	ND	0.22	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 15:38	BGL
Fluoranthene	ND	0.22	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 15:38	BGL
Fluorene	ND	0.22	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 15:38	BGL
Indeno(1,2,3-cd)pyrene	ND	0.22	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 15:38	BGL
2-Methylnaphthalene	ND	0.22	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 15:38	BGL
Naphthalene	ND	0.22	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 15:38	BGL
Phenanthrene	ND	0.22	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 15:38	BGL
Pyrene	ND	0.22	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 15:38	BGL

Surrogates	% Recovery	Recovery Limits	Flag	
Nitrobenzene-d5	61.8	30-130		6/1/10 15:38
2-Fluorobiphenyl	51.3	30-130		6/1/10 15:38
Terphenyl-d14	57.0	30-130		6/1/10 15:38

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0574

Date Received: 5/25/2010
Field Sample #: SW-11
Sampled: 5/24/2010 10:08
Sample ID: 10E0574-01
Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	13	mg/Kg dry	1		CTDEP ETPH	5/28/10	6/2/10 10:56	CJM

Surrogates	% Recovery	Recovery Limits	Flag	
o-Terphenyl	66.9	50-150		6/2/10 10:56

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Sample Description:
Work Order: 10E0574

Date Received: 5/25/2010
Field Sample #: SW-11
Sampled: 5/24/2010 10:08

Sample ID: 10E0574-01
Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	7.3	3.4	mg/Kg dry	1		SW-846 6010B	5/27/10	6/1/10 12:25	KSH
Barium	250	3.4	mg/Kg dry	1		SW-846 6010B	5/27/10	6/1/10 12:24	KSH
Cadmium	ND	0.34	mg/Kg dry	1		SW-846 6010B	5/27/10	6/1/10 12:25	KSH
Chromium	45	0.67	mg/Kg dry	1		SW-846 6010B	5/27/10	6/1/10 12:24	KSH
Lead	19	1.0	mg/Kg dry	1		SW-846 6010B	5/27/10	6/1/10 12:25	KSH
Mercury	ND	0.025	mg/Kg dry	1		SW-846 7471A	5/27/10	5/28/10 12:04	MPF
Selenium	ND	6.7	mg/Kg dry	1		SW-846 6010B	5/27/10	6/1/10 12:25	KSH
Silver	ND	0.67	mg/Kg dry	1		SW-846 6010B	5/27/10	6/1/10 12:24	KSH

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0574

Date Received: 5/25/2010

Field Sample #: SW-11
Sampled: 5/24/2010 10:08

Sample ID: 10E0574-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	77.9		% Wt	1		SM 2540G	5/28/10	5/31/10 16:13	NH

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0574

Date Received: 5/25/2010
Field Sample #: SW-12
Sampled: 5/24/2010 10:15
Sample ID: 10E0574-02
Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.12	mg/Kg dry	1	V-16	SW-846 8260B	5/26/10	5/26/10 12:00	MFF
Acrylonitrile	ND	0.0071	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:00	MFF
Benzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:00	MFF
Bromobenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:00	MFF
Bromodichloromethane	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:00	MFF
Bromoform	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:00	MFF
Bromomethane	ND	0.012	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:00	MFF
2-Butanone (MEK)	ND	0.047	mg/Kg dry	1	V-16	SW-846 8260B	5/26/10	5/26/10 12:00	MFF
n-Butylbenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:00	MFF
sec-Butylbenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:00	MFF
tert-Butylbenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:00	MFF
Carbon Disulfide	ND	0.0071	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:00	MFF
Carbon Tetrachloride	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:00	MFF
Chlorobenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:00	MFF
Chlorodibromomethane	ND	0.0012	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:00	MFF
Chloroethane	ND	0.024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:00	MFF
Chloroform	ND	0.0047	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:00	MFF
Chloromethane	ND	0.012	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:00	MFF
2-Chlorotoluene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:00	MFF
4-Chlorotoluene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:00	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:00	MFF
1,2-Dibromoethane (EDB)	ND	0.0012	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:00	MFF
Dibromomethane	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:00	MFF
1,2-Dichlorobenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:00	MFF
1,3-Dichlorobenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:00	MFF
1,4-Dichlorobenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:00	MFF
trans-1,4-Dichloro-2-butene	ND	0.0047	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:00	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:00	MFF
1,1-Dichloroethane	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:00	MFF
1,2-Dichloroethane	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:00	MFF
1,1-Dichloroethylene	ND	0.0047	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:00	MFF
cis-1,2-Dichloroethylene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:00	MFF
trans-1,2-Dichloroethylene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:00	MFF
1,2-Dichloropropane	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:00	MFF
1,3-Dichloropropane	ND	0.0012	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:00	MFF
2,2-Dichloropropane	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:00	MFF
1,1-Dichloropropene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:00	MFF
cis-1,3-Dichloropropene	ND	0.0012	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:00	MFF
trans-1,3-Dichloropropene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:00	MFF
Ethylbenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:00	MFF
Hexachlorobutadiene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:00	MFF
2-Hexanone (MBK)	ND	0.024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:00	MFF
Isopropylbenzene (Cumene)	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:00	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:00	MFF

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0574
Date Received: 5/25/2010
Field Sample #: SW-12
Sampled: 5/24/2010 10:15
Sample ID: 10E0574-02
Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0047	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:00	MFF
Methylene Chloride	ND	0.024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:00	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:00	MFF
Naphthalene	ND	0.0047	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:00	MFF
n-Propylbenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:00	MFF
Styrene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:00	MFF
1,1,1,2-Tetrachloroethane	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:00	MFF
1,1,2,2-Tetrachloroethane	ND	0.0012	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:00	MFF
Tetrachloroethylene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:00	MFF
Tetrahydrofuran	ND	0.012	mg/Kg dry	1	V-16	SW-846 8260B	5/26/10	5/26/10 12:00	MFF
Toluene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:00	MFF
1,2,3-Trichlorobenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:00	MFF
1,2,4-Trichlorobenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:00	MFF
1,1,1-Trichloroethane	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:00	MFF
1,1,2-Trichloroethane	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:00	MFF
Trichloroethylene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:00	MFF
Trichlorofluoromethane (Freon 11)	ND	0.012	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:00	MFF
1,2,3-Trichloropropane	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:00	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.012	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:00	MFF
1,2,4-Trimethylbenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:00	MFF
1,3,5-Trimethylbenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:00	MFF
Vinyl Chloride	ND	0.012	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:00	MFF
m+p Xylene	ND	0.0047	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:00	MFF
o-Xylene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 12:00	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	110	70-130		5/26/10 12:00
Toluene-d8	102	70-130		5/26/10 12:00
4-Bromofluorobenzene	99.3	70-130		5/26/10 12:00

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Project Location: Portland Chemical | Sample Description: | Work Order: 10E0574

Date Received: 5/25/2010

Field Sample #: SW-12 | Sampled: 5/24/2010 10:15

Sample ID: 10E0574-02

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.21	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 16:11	BGL
Acenaphthylene	ND	0.21	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 16:11	BGL
Anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 16:11	BGL
Benzo(a)anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 16:11	BGL
Benzo(a)pyrene	ND	0.21	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 16:11	BGL
Benzo(b)fluoranthene	ND	0.21	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 16:11	BGL
Benzo(g,h,i)perylene	ND	0.21	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 16:11	BGL
Benzo(k)fluoranthene	ND	0.21	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 16:11	BGL
Chrysene	ND	0.21	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 16:11	BGL
Dibenz(a,h)anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 16:11	BGL
Fluoranthene	ND	0.21	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 16:11	BGL
Fluorene	ND	0.21	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 16:11	BGL
Indeno(1,2,3-cd)pyrene	ND	0.21	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 16:11	BGL
2-Methylnaphthalene	ND	0.21	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 16:11	BGL
Naphthalene	ND	0.21	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 16:11	BGL
Phenanthrene	ND	0.21	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 16:11	BGL
Pyrene	ND	0.21	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 16:11	BGL

Surrogates	% Recovery	Recovery Limits	Flag	
Nitrobenzene-d5	52.1	30-130		6/1/10 16:11
2-Fluorobiphenyl	44.6	30-130		6/1/10 16:11
Terphenyl-d14	49.2	30-130		6/1/10 16:11

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Project Location: Portland Chemical | Sample Description: | Work Order: 10E0574

Date Received: 5/25/2010

Field Sample #: SW-12 | Sampled: 5/24/2010 10:15

Sample ID: 10E0574-02

Sample Matrix: Soil

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [2]	ND	0.024	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 15:35	JB
Aldrin [1]	ND	0.0061	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 15:35	JB
alpha-BHC [1]	ND	0.0061	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 15:35	JB
beta-BHC [1]	ND	0.0061	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 15:35	JB
delta-BHC [1]	ND	0.0061	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 15:35	JB
gamma-BHC (Lindane) [1]	ND	0.0036	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 15:35	JB
Chlordane [1]	ND	0.024	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 15:35	JB
4,4'-DDD [1]	ND	0.0097	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 15:35	JB
4,4'-DDE [1]	ND	0.0048	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 15:35	JB
4,4'-DDT [1]	ND	0.0097	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 15:35	JB
Dieldrin [1]	ND	0.0024	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 15:35	JB
Endosulfan I [1]	ND	0.0061	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 15:35	JB
Endosulfan II [1]	ND	0.0097	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 15:35	JB
Endosulfan sulfate [1]	ND	0.0097	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 15:35	JB
Endrin [1]	ND	0.0097	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 15:35	JB
Endrin aldehyde [1]	ND	0.0097	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 19:25	JB
Endrin ketone [1]	ND	0.0097	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 15:35	JB
Heptachlor [1]	ND	0.0061	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 15:35	JB
Heptachlor epoxide [1]	ND	0.0061	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 15:35	JB
Hexachlorobenzene [1]	ND	0.0061	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 15:35	JB
Methoxychlor [1]	ND	0.061	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 15:35	JB
Toxaphene [1]	ND	0.12	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 15:35	JB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	89.7	30-150		5/28/10 15:35
Decachlorobiphenyl [2]	95.6	30-150		5/28/10 15:35
Tetrachloro-m-xylene [1]	81.3	30-150		5/28/10 15:35
Tetrachloro-m-xylene [2]	86.6	30-150		5/28/10 15:35

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Portland Chemical
Sample Description:
Work Order: 10E0574

Date Received: 5/25/2010
Field Sample #: SW-12
Sampled: 5/24/2010 10:15
Sample ID: 10E0574-02
Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	12	mg/Kg dry	1		CTDEP ETPH	5/28/10	6/2/10 11:14	CJM

Surrogates	% Recovery	Recovery Limits	Flag	
o-Terphenyl	64.2	50-150		6/2/10 11:14

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0574

Date Received: 5/25/2010
Field Sample #: SW-12
Sampled: 5/24/2010 10:15
Sample ID: 10E0574-02
Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	4.7	2.9	mg/Kg dry	1		SW-846 6010B	5/27/10	6/1/10 12:29	KSH
Barium	130	2.9	mg/Kg dry	1		SW-846 6010B	5/27/10	6/1/10 12:29	KSH
Cadmium	0.35	0.29	mg/Kg dry	1		SW-846 6010B	5/27/10	6/1/10 12:29	KSH
Chromium	25	0.58	mg/Kg dry	1		SW-846 6010B	5/27/10	6/1/10 12:29	KSH
Lead	14	0.87	mg/Kg dry	1		SW-846 6010B	5/27/10	6/1/10 12:29	KSH
Mercury	ND	0.012	mg/Kg dry	1		SW-846 7471A	5/27/10	5/28/10 12:05	MPF
Selenium	ND	5.8	mg/Kg dry	1		SW-846 6010B	5/27/10	6/1/10 12:29	KSH
Silver	ND	0.58	mg/Kg dry	1		SW-846 6010B	5/27/10	6/1/10 12:29	KSH

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Project Location: Portland Chemical | Sample Description: | Work Order: 10E0574

Date Received: 5/25/2010

Field Sample #: SW-12 | Sampled: 5/24/2010 10:15

Sample ID: 10E0574-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	81.8		% Wt	1		SM 2540G	5/28/10	5/31/10 16:13	NH

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Project Location: Portland Chemical | Sample Description: | Work Order: 10E0574

Date Received: 5/25/2010

Field Sample #: SW-13 | Sampled: 5/24/2010 10:25

Sample ID: 10E0574-03

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.090	mg/Kg dry	1	V-16	SW-846 8260B	5/26/10	5/26/10 15:44	MFF
Acrylonitrile	ND	0.0054	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
Benzene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
Bromobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
Bromodichloromethane	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
Bromoform	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
Bromomethane	ND	0.0090	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
2-Butanone (MEK)	ND	0.036	mg/Kg dry	1	V-16	SW-846 8260B	5/26/10	5/26/10 15:44	MFF
n-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
sec-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
tert-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
Carbon Disulfide	ND	0.0054	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
Carbon Tetrachloride	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
Chlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
Chlorodibromomethane	ND	0.00090	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
Chloroethane	ND	0.018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
Chloroform	ND	0.0036	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
Chloromethane	ND	0.0090	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
2-Chlorotoluene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
4-Chlorotoluene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
1,2-Dibromoethane (EDB)	ND	0.00090	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
Dibromomethane	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
1,2-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
1,3-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
1,4-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
trans-1,4-Dichloro-2-butene	ND	0.0036	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
1,1-Dichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
1,2-Dichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
1,1-Dichloroethylene	ND	0.0036	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
cis-1,2-Dichloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
trans-1,2-Dichloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
1,2-Dichloropropane	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
1,3-Dichloropropane	ND	0.00090	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
2,2-Dichloropropane	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
1,1-Dichloropropene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
cis-1,3-Dichloropropene	ND	0.00090	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
trans-1,3-Dichloropropene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
Ethylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
Hexachlorobutadiene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
2-Hexanone (MBK)	ND	0.018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
Isopropylbenzene (Cumene)	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0574

Date Received: 5/25/2010
Field Sample #: SW-13
Sampled: 5/24/2010 10:25

Sample ID: 10E0574-03
Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0036	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
Methylene Chloride	ND	0.018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
Naphthalene	ND	0.0036	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
n-Propylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
Styrene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
1,1,1,2-Tetrachloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
1,1,2,2-Tetrachloroethane	ND	0.00090	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
Tetrachloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
Tetrahydrofuran	ND	0.0090	mg/Kg dry	1	V-16	SW-846 8260B	5/26/10	5/26/10 15:44	MFF
Toluene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
1,2,3-Trichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
1,2,4-Trichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
1,1,1-Trichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
1,1,2-Trichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
Trichloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0090	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
1,2,3-Trichloropropane	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0090	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
1,2,4-Trimethylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
1,3,5-Trimethylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
Vinyl Chloride	ND	0.0090	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
m+p Xylene	ND	0.0036	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
o-Xylene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	118	70-130		5/26/10 15:44
Toluene-d8	103	70-130		5/26/10 15:44
4-Bromofluorobenzene	103	70-130		5/26/10 15:44

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0574

Date Received: 5/25/2010
Field Sample #: SW-13
Sampled: 5/24/2010 10:25

Sample ID: 10E0574-03
Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 16:44	BGL
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 16:44	BGL
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 16:44	BGL
Benzo(a)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 16:44	BGL
Benzo(a)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 16:44	BGL
Benzo(b)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 16:44	BGL
Benzo(g,h,i)perylene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 16:44	BGL
Benzo(k)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 16:44	BGL
Chrysene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 16:44	BGL
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 16:44	BGL
Fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 16:44	BGL
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 16:44	BGL
Indeno(1,2,3-cd)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 16:44	BGL
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 16:44	BGL
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 16:44	BGL
Phenanthrene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 16:44	BGL
Pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 16:44	BGL

Surrogates	% Recovery	Recovery Limits	Flag	
Nitrobenzene-d5	72.1	30-130		6/1/10 16:44
2-Fluorobiphenyl	62.8	30-130		6/1/10 16:44
Terphenyl-d14	72.8	30-130		6/1/10 16:44

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0574

Date Received: 5/25/2010
Field Sample #: SW-13
Sampled: 5/24/2010 10:25

Sample ID: 10E0574-03
Sample Matrix: Soil

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [2]	ND	0.023	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 15:50	JB
Aldrin [1]	ND	0.0057	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 15:50	JB
alpha-BHC [1]	ND	0.0057	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 15:50	JB
beta-BHC [1]	ND	0.0057	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 15:50	JB
delta-BHC [1]	ND	0.0057	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 15:50	JB
gamma-BHC (Lindane) [1]	ND	0.0034	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 15:50	JB
Chlordane [1]	ND	0.023	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 15:50	JB
4,4'-DDD [1]	ND	0.0090	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 15:50	JB
4,4'-DDE [1]	ND	0.0045	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 15:50	JB
4,4'-DDT [1]	ND	0.0090	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 15:50	JB
Dieldrin [1]	ND	0.0023	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 15:50	JB
Endosulfan I [1]	ND	0.0057	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 15:50	JB
Endosulfan II [1]	ND	0.0090	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 15:50	JB
Endosulfan sulfate [1]	ND	0.0090	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 15:50	JB
Endrin [1]	ND	0.0090	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 15:50	JB
Endrin aldehyde [1]	ND	0.0090	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 19:40	JB
Endrin ketone [1]	ND	0.0090	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 15:50	JB
Heptachlor [1]	ND	0.0057	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 15:50	JB
Heptachlor epoxide [1]	ND	0.0057	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 15:50	JB
Hexachlorobenzene [1]	ND	0.0057	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 15:50	JB
Methoxychlor [1]	ND	0.057	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 15:50	JB
Toxaphene [1]	ND	0.11	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 15:50	JB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	75.0	30-150		5/28/10 15:50
Decachlorobiphenyl [2]	80.6	30-150		5/28/10 15:50
Tetrachloro-m-xylene [1]	76.4	30-150		5/28/10 15:50
Tetrachloro-m-xylene [2]	80.3	30-150		5/28/10 15:50

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0574

Date Received: 5/25/2010
Field Sample #: SW-13
Sampled: 5/24/2010 10:25

Sample ID: 10E0574-03
Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	11	mg/Kg dry	1		CTDEP ETPH	5/28/10	6/2/10 11:33	CJM

Surrogates	% Recovery	Recovery Limits	Flag				
o-Terphenyl	67.2	50-150					6/2/10 11:33

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0574

Date Received: 5/25/2010

Field Sample #: SW-13
Sampled: 5/24/2010 10:25

Sample ID: 10E0574-03

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	6.7	2.8	mg/Kg dry	1		SW-846 6010B	5/27/10	6/1/10 12:34	KSH
Barium	110	2.8	mg/Kg dry	1		SW-846 6010B	5/27/10	6/1/10 12:33	KSH
Cadmium	ND	0.28	mg/Kg dry	1		SW-846 6010B	5/27/10	6/1/10 12:34	KSH
Chromium	22	0.57	mg/Kg dry	1		SW-846 6010B	5/27/10	6/1/10 12:34	KSH
Lead	8.7	0.85	mg/Kg dry	1		SW-846 6010B	5/27/10	6/1/10 12:34	KSH
Mercury	ND	0.010	mg/Kg dry	1		SW-846 7471A	5/27/10	5/28/10 12:07	MPF
Selenium	ND	5.7	mg/Kg dry	1		SW-846 6010B	5/27/10	6/1/10 12:34	KSH
Silver	ND	0.57	mg/Kg dry	1		SW-846 6010B	5/27/10	6/1/10 12:33	KSH

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0574

Date Received: 5/25/2010
Field Sample #: SW-13
Sampled: 5/24/2010 10:25

Sample ID: 10E0574-03
Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.4		% Wt	1		SM 2540G	5/28/10	5/31/10 16:13	NH

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0574

Date Received: 5/25/2010
Field Sample #: SW-14
Sampled: 5/24/2010 10:40
Sample ID: 10E0574-04
Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.10	mg/Kg dry	1	V-16	SW-846 8260B	5/26/10	5/26/10 16:11	MFF
Acrylonitrile	ND	0.0062	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
Benzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
Bromobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
Bromodichloromethane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
Bromoform	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
Bromomethane	ND	0.010	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
2-Butanone (MEK)	ND	0.041	mg/Kg dry	1	V-16	SW-846 8260B	5/26/10	5/26/10 16:11	MFF
n-Butylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
sec-Butylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
tert-Butylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
Carbon Disulfide	ND	0.0062	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
Carbon Tetrachloride	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
Chlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
Chlorodibromomethane	ND	0.0010	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
Chloroethane	ND	0.021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
Chloroform	ND	0.0041	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
Chloromethane	ND	0.010	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
2-Chlorotoluene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
4-Chlorotoluene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
Dibromomethane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
1,2-Dichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
1,3-Dichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
1,4-Dichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
trans-1,4-Dichloro-2-butene	ND	0.0041	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
1,1-Dichloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
1,2-Dichloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
1,1-Dichloroethylene	ND	0.0041	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
cis-1,2-Dichloroethylene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
trans-1,2-Dichloroethylene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
1,2-Dichloropropane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
1,3-Dichloropropane	ND	0.0010	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
2,2-Dichloropropane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
1,1-Dichloropropene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
trans-1,3-Dichloropropene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
Ethylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
Hexachlorobutadiene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
2-Hexanone (MBK)	ND	0.021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
Isopropylbenzene (Cumene)	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0574
Date Received: 5/25/2010
Field Sample #: SW-14
Sampled: 5/24/2010 10:40
Sample ID: 10E0574-04
Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0041	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
Methylene Chloride	ND	0.021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 16:11	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
Naphthalene	ND	0.0041	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
n-Propylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
Styrene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
1,1,1,2-Tetrachloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
1,1,2,2-Tetrachloroethane	ND	0.0010	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
Tetrachloroethylene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
Tetrahydrofuran	ND	0.010	mg/Kg dry	1	V-16	SW-846 8260B	5/26/10	5/26/10 15:44	MFF
Toluene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
1,2,3-Trichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
1,2,4-Trichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
1,1,1-Trichloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
1,1,2-Trichloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
Trichloroethylene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
1,2,3-Trichloropropane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
1,2,4-Trimethylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
1,3,5-Trimethylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
Vinyl Chloride	ND	0.010	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF
m+p Xylene	ND	0.0041	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 16:11	MFF
o-Xylene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 15:44	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	116	70-130		5/26/10 16:11
Toluene-d8	102	70-130		5/26/10 16:11
4-Bromofluorobenzene	103	70-130		5/26/10 16:11

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Project Location: Portland Chemical | Sample Description: | Work Order: 10E0574

Date Received: 5/25/2010

Field Sample #: SW-14 | Sampled: 5/24/2010 10:40

Sample ID: 10E0574-04

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 17:17	BGL
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 17:17	BGL
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 17:17	BGL
Benzo(a)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 17:17	BGL
Benzo(a)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 17:17	BGL
Benzo(b)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 17:17	BGL
Benzo(g,h,i)perylene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 17:17	BGL
Benzo(k)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 17:17	BGL
Chrysene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 17:17	BGL
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 17:17	BGL
Fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 17:17	BGL
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 17:17	BGL
Indeno(1,2,3-cd)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 17:17	BGL
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 17:17	BGL
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 17:17	BGL
Phenanthrene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 17:17	BGL
Pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 17:17	BGL

Surrogates	% Recovery	Recovery Limits	Flag	
Nitrobenzene-d5	59.2	30-130		6/1/10 17:17
2-Fluorobiphenyl	47.2	30-130		6/1/10 17:17
Terphenyl-d14	55.5	30-130		6/1/10 17:17

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Project Location: Portland Chemical | Sample Description: | Work Order: 10E0574

Date Received: 5/25/2010

Field Sample #: SW-14 | Sampled: 5/24/2010 10:40

Sample ID: 10E0574-04

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	27	11	mg/Kg dry	1		CTDEP ETPH	5/28/10	6/2/10 11:52	CJM

Surrogates	% Recovery	Recovery Limits	Flag				
o-Terphenyl	74.9	50-150					6/2/10 11:52

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Project Location: Portland Chemical
Date Received: 5/25/2010
Field Sample #: SW-14
Sample ID: 10E0574-04
Sample Matrix: Soil

Sample Description:

Sampled: 5/24/2010 10:40

Work Order: 10E0574

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	5.4	2.9	mg/Kg dry	1		SW-846 6010B	5/27/10	6/1/10 12:38	KSH
Barium	130	2.9	mg/Kg dry	1		SW-846 6010B	5/27/10	6/1/10 12:38	KSH
Cadmium	0.36	0.29	mg/Kg dry	1		SW-846 6010B	5/27/10	6/1/10 12:38	KSH
Chromium	25	0.59	mg/Kg dry	1		SW-846 6010B	5/27/10	6/1/10 12:38	KSH
Lead	13	0.88	mg/Kg dry	1		SW-846 6010B	5/27/10	6/1/10 12:38	KSH
Mercury	0.022	0.017	mg/Kg dry	1		SW-846 7471A	5/27/10	5/28/10 12:09	MPF
Selenium	ND	5.9	mg/Kg dry	1		SW-846 6010B	5/27/10	6/1/10 12:38	KSH
Silver	ND	0.59	mg/Kg dry	1		SW-846 6010B	5/27/10	6/1/10 12:38	KSH

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0574

Date Received: 5/25/2010
Field Sample #: SW-14
Sampled: 5/24/2010 10:40

Sample ID: 10E0574-04
Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.5		% Wt	1		SM 2540G	5/28/10	5/31/10 16:13	NH

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0574

Date Received: 5/25/2010
Field Sample #: SW-15
Sampled: 5/24/2010 10:47
Sample ID: 10E0574-05
Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.090	mg/Kg dry	1	V-16	SW-846 8260B	5/26/10	5/26/10 16:37	MFF
Acrylonitrile	ND	0.0054	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 16:37	MFF
Benzene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 16:37	MFF
Bromobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 16:37	MFF
Bromodichloromethane	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 16:37	MFF
Bromoform	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 16:37	MFF
Bromomethane	ND	0.0090	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 16:37	MFF
2-Butanone (MEK)	ND	0.036	mg/Kg dry	1	V-16	SW-846 8260B	5/26/10	5/26/10 16:37	MFF
n-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 16:37	MFF
sec-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 16:37	MFF
tert-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 16:37	MFF
Carbon Disulfide	ND	0.0054	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 16:37	MFF
Carbon Tetrachloride	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 16:37	MFF
Chlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 16:37	MFF
Chlorodibromomethane	ND	0.00090	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 16:37	MFF
Chloroethane	ND	0.018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 16:37	MFF
Chloroform	ND	0.0036	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 16:37	MFF
Chloromethane	ND	0.0090	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 16:37	MFF
2-Chlorotoluene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 16:37	MFF
4-Chlorotoluene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 16:37	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 16:37	MFF
1,2-Dibromoethane (EDB)	ND	0.00090	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 16:37	MFF
Dibromomethane	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 16:37	MFF
1,2-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 16:37	MFF
1,3-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 16:37	MFF
1,4-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 16:37	MFF
trans-1,4-Dichloro-2-butene	ND	0.0036	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 16:37	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 16:37	MFF
1,1-Dichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 16:37	MFF
1,2-Dichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 16:37	MFF
1,1-Dichloroethylene	ND	0.0036	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 16:37	MFF
cis-1,2-Dichloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 16:37	MFF
trans-1,2-Dichloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 16:37	MFF
1,2-Dichloropropane	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 16:37	MFF
1,3-Dichloropropane	ND	0.00090	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 16:37	MFF
2,2-Dichloropropane	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 16:37	MFF
1,1-Dichloropropene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 16:37	MFF
cis-1,3-Dichloropropene	ND	0.00090	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 16:37	MFF
trans-1,3-Dichloropropene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 16:37	MFF
Ethylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 16:37	MFF
Hexachlorobutadiene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 16:37	MFF
2-Hexanone (MBK)	ND	0.018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 16:37	MFF
Isopropylbenzene (Cumene)	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 16:37	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 16:37	MFF

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Portland Chemical
Sample Description:
Work Order: 10E0574

Date Received: 5/25/2010
Field Sample #: SW-15
Sampled: 5/24/2010 10:47

Sample ID: 10E0574-05
Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0036	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 16:37	MFF
Methylene Chloride	ND	0.018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 16:37	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 16:37	MFF
Naphthalene	ND	0.0036	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 16:37	MFF
n-Propylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 16:37	MFF
Styrene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 16:37	MFF
1,1,1,2-Tetrachloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 16:37	MFF
1,1,2,2-Tetrachloroethane	ND	0.00090	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 16:37	MFF
Tetrachloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 16:37	MFF
Tetrahydrofuran	ND	0.0090	mg/Kg dry	1	V-16	SW-846 8260B	5/26/10	5/26/10 16:37	MFF
Toluene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 16:37	MFF
1,2,3-Trichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 16:37	MFF
1,2,4-Trichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 16:37	MFF
1,1,1-Trichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 16:37	MFF
1,1,2-Trichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 16:37	MFF
Trichloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 16:37	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0090	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 16:37	MFF
1,2,3-Trichloropropane	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 16:37	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0090	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 16:37	MFF
1,2,4-Trimethylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 16:37	MFF
1,3,5-Trimethylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 16:37	MFF
Vinyl Chloride	ND	0.0090	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 16:37	MFF
m+p Xylene	ND	0.0036	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 16:37	MFF
o-Xylene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 16:37	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	111	70-130		5/26/10 16:37
Toluene-d8	102	70-130		5/26/10 16:37
4-Bromofluorobenzene	102	70-130		5/26/10 16:37

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Project Location: Portland Chemical
Date Received: 5/25/2010
Field Sample #: SW-15
Sample ID: 10E0574-05
Sample Matrix: Soil

Sample Description:

Work Order: 10E0574

Sampled: 5/24/2010 10:47

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 17:50	BGL
Acenaphthylene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 17:50	BGL
Anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 17:50	BGL
Benzo(a)anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 17:50	BGL
Benzo(a)pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 17:50	BGL
Benzo(b)fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 17:50	BGL
Benzo(g,h,i)perylene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 17:50	BGL
Benzo(k)fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 17:50	BGL
Chrysene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 17:50	BGL
Dibenz(a,h)anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 17:50	BGL
Fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 17:50	BGL
Fluorene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 17:50	BGL
Indeno(1,2,3-cd)pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 17:50	BGL
2-Methylnaphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 17:50	BGL
Naphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 17:50	BGL
Phenanthrene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 17:50	BGL
Pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 17:50	BGL

Surrogates	% Recovery	Recovery Limits	Flag	
Nitrobenzene-d5	53.2	30-130		6/1/10 17:50
2-Fluorobiphenyl	44.5	30-130		6/1/10 17:50
Terphenyl-d14	50.4	30-130		6/1/10 17:50

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0574

Date Received: 5/25/2010
Field Sample #: SW-15
Sampled: 5/24/2010 10:47
Sample ID: 10E0574-05
Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	12	mg/Kg dry	1		CTDEP ETPH	5/28/10	6/2/10 12:10	CJM

Surrogates	% Recovery	Recovery Limits	Flag	
o-Terphenyl	64.3	50-150		6/2/10 12:10

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0574

Date Received: 5/25/2010
Field Sample #: SW-15
Sampled: 5/24/2010 10:47

Sample ID: 10E0574-05
Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	4.2	2.8	mg/Kg dry	1		SW-846 6010B	5/27/10	6/1/10 12:43	KSH
Barium	70	2.8	mg/Kg dry	1		SW-846 6010B	5/27/10	6/1/10 12:43	KSH
Cadmium	ND	0.28	mg/Kg dry	1		SW-846 6010B	5/27/10	6/1/10 12:43	KSH
Chromium	19	0.57	mg/Kg dry	1		SW-846 6010B	5/27/10	6/1/10 12:43	KSH
Lead	9.4	0.85	mg/Kg dry	1		SW-846 6010B	5/27/10	6/1/10 12:43	KSH
Mercury	ND	0.013	mg/Kg dry	1		SW-846 7471A	5/27/10	5/28/10 12:10	MPF
Selenium	ND	5.7	mg/Kg dry	1		SW-846 6010B	5/27/10	6/1/10 12:43	KSH
Silver	ND	0.57	mg/Kg dry	1		SW-846 6010B	5/27/10	6/1/10 12:43	KSH

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0574

Date Received: 5/25/2010
Field Sample #: SW-15
Sampled: 5/24/2010 10:47

Sample ID: 10E0574-05
Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.4		% Wt	1		SM 2540G	5/28/10	5/31/10 16:13	NH

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0574

Date Received: 5/25/2010
Field Sample #: SW-16
Sampled: 5/24/2010 10:58
Sample ID: 10E0574-06
Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.10	mg/Kg dry	1	V-16	SW-846 8260B	5/26/10	5/26/10 17:04	MFF
Acrylonitrile	ND	0.0062	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:04	MFF
Benzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:04	MFF
Bromobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:04	MFF
Bromodichloromethane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:04	MFF
Bromoform	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:04	MFF
Bromomethane	ND	0.010	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:04	MFF
2-Butanone (MEK)	ND	0.041	mg/Kg dry	1	V-16	SW-846 8260B	5/26/10	5/26/10 17:04	MFF
n-Butylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:04	MFF
sec-Butylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:04	MFF
tert-Butylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:04	MFF
Carbon Disulfide	ND	0.0062	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:04	MFF
Carbon Tetrachloride	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:04	MFF
Chlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:04	MFF
Chlorodibromomethane	ND	0.0010	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:04	MFF
Chloroethane	ND	0.021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:04	MFF
Chloroform	ND	0.0041	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:04	MFF
Chloromethane	ND	0.010	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:04	MFF
2-Chlorotoluene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:04	MFF
4-Chlorotoluene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:04	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:04	MFF
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:04	MFF
Dibromomethane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:04	MFF
1,2-Dichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:04	MFF
1,3-Dichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:04	MFF
1,4-Dichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:04	MFF
trans-1,4-Dichloro-2-butene	ND	0.0041	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:04	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:04	MFF
1,1-Dichloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:04	MFF
1,2-Dichloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:04	MFF
1,1-Dichloroethylene	ND	0.0041	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:04	MFF
cis-1,2-Dichloroethylene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:04	MFF
trans-1,2-Dichloroethylene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:04	MFF
1,2-Dichloropropane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:04	MFF
1,3-Dichloropropane	ND	0.0010	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:04	MFF
2,2-Dichloropropane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:04	MFF
1,1-Dichloropropene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:04	MFF
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:04	MFF
trans-1,3-Dichloropropene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:04	MFF
Ethylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:04	MFF
Hexachlorobutadiene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:04	MFF
2-Hexanone (MBK)	ND	0.021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:04	MFF
Isopropylbenzene (Cumene)	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:04	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:04	MFF

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0574

Date Received: 5/25/2010
Field Sample #: SW-16
Sampled: 5/24/2010 10:58
Sample ID: 10E0574-06
Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0041	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:04	MFF
Methylene Chloride	ND	0.021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:04	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:04	MFF
Naphthalene	ND	0.0041	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:04	MFF
n-Propylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:04	MFF
Styrene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:04	MFF
1,1,1,2-Tetrachloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:04	MFF
1,1,2,2-Tetrachloroethane	ND	0.0010	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:04	MFF
Tetrachloroethylene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:04	MFF
Tetrahydrofuran	ND	0.010	mg/Kg dry	1	V-16	SW-846 8260B	5/26/10	5/26/10 17:04	MFF
Toluene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:04	MFF
1,2,3-Trichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:04	MFF
1,2,4-Trichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:04	MFF
1,1,1-Trichloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:04	MFF
1,1,2-Trichloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:04	MFF
Trichloroethylene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:04	MFF
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:04	MFF
1,2,3-Trichloropropane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:04	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:04	MFF
1,2,4-Trimethylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:04	MFF
1,3,5-Trimethylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:04	MFF
Vinyl Chloride	ND	0.010	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:04	MFF
m+p Xylene	ND	0.0041	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:04	MFF
o-Xylene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:04	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	114	70-130		5/26/10 17:04
Toluene-d8	105	70-130		5/26/10 17:04
4-Bromofluorobenzene	103	70-130		5/26/10 17:04

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Project Location: Portland Chemical | Sample Description: | Work Order: 10E0574

Date Received: 5/25/2010

Field Sample #: SW-16 | Sampled: 5/24/2010 10:58

Sample ID: 10E0574-06

Sample Matrix: Soil

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [2]	ND	0.12	mg/Kg dry	5		SW-846 8081A	5/27/10	5/28/10 16:04	JB
Aldrin [1]	ND	0.029	mg/Kg dry	5		SW-846 8081A	5/27/10	5/28/10 16:04	JB
alpha-BHC [1]	ND	0.029	mg/Kg dry	5		SW-846 8081A	5/27/10	5/28/10 16:04	JB
beta-BHC [1]	ND	0.029	mg/Kg dry	5		SW-846 8081A	5/27/10	5/28/10 16:04	JB
delta-BHC [1]	ND	0.029	mg/Kg dry	5		SW-846 8081A	5/27/10	5/28/10 16:04	JB
gamma-BHC (Lindane) [1]	ND	0.018	mg/Kg dry	5		SW-846 8081A	5/27/10	5/28/10 16:04	JB
Chlordane [1]	ND	0.12	mg/Kg dry	5		SW-846 8081A	5/27/10	5/28/10 16:04	JB
4,4'-DDD [1]	ND	0.047	mg/Kg dry	5		SW-846 8081A	5/27/10	5/28/10 16:04	JB
4,4'-DDE [1]	ND	0.024	mg/Kg dry	5		SW-846 8081A	5/27/10	5/28/10 16:04	JB
4,4'-DDT [1]	ND	0.047	mg/Kg dry	5		SW-846 8081A	5/27/10	5/28/10 16:04	JB
Dieldrin [1]	ND	0.012	mg/Kg dry	5		SW-846 8081A	5/27/10	5/28/10 16:04	JB
Endosulfan I [1]	ND	0.029	mg/Kg dry	5		SW-846 8081A	5/27/10	5/28/10 16:04	JB
Endosulfan II [1]	ND	0.047	mg/Kg dry	5		SW-846 8081A	5/27/10	5/28/10 16:04	JB
Endosulfan sulfate [1]	ND	0.047	mg/Kg dry	5		SW-846 8081A	5/27/10	5/28/10 16:04	JB
Endrin [1]	ND	0.047	mg/Kg dry	5		SW-846 8081A	5/27/10	5/28/10 16:04	JB
Endrin aldehyde [1]	ND	0.047	mg/Kg dry	5		SW-846 8081A	5/27/10	5/28/10 19:54	JB
Endrin ketone [1]	ND	0.047	mg/Kg dry	5		SW-846 8081A	5/27/10	5/28/10 16:04	JB
Heptachlor [1]	ND	0.029	mg/Kg dry	5		SW-846 8081A	5/27/10	5/28/10 16:04	JB
Heptachlor epoxide [1]	ND	0.029	mg/Kg dry	5		SW-846 8081A	5/27/10	5/28/10 16:04	JB
Hexachlorobenzene [1]	ND	0.029	mg/Kg dry	5		SW-846 8081A	5/27/10	5/28/10 16:04	JB
Methoxychlor [1]	ND	0.29	mg/Kg dry	5		SW-846 8081A	5/27/10	5/28/10 16:04	JB
Toxaphene [1]	ND	0.59	mg/Kg dry	5		SW-846 8081A	5/27/10	5/28/10 16:04	JB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	73.1	30-150		5/28/10 16:04
Decachlorobiphenyl [2]	76.0	30-150		5/28/10 16:04
Tetrachloro-m-xylene [1]	70.2	30-150		5/28/10 16:04
Tetrachloro-m-xylene [2]	72.9	30-150		5/28/10 16:04

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Project Location: Portland Chemical | Sample Description: | Work Order: 10E0574

Date Received: 5/25/2010

Field Sample #: SW-16 | Sampled: 5/24/2010 10:58

Sample ID: 10E0574-06

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	350	240	mg/Kg dry	10		CTDEP ETPH	5/28/10	6/2/10 12:10	CJM

Surrogates	% Recovery	Recovery Limits	Flag				
o-Terphenyl	66.3	50-150					6/2/10 12:10

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0574

Date Received: 5/25/2010
Field Sample #: SW-16
Sampled: 5/24/2010 10:58

Sample ID: 10E0574-06
Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.1		% Wt	1		SM 2540G	5/28/10	5/31/10 16:13	NH

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Project Location: Portland Chemical | Sample Description: | Work Order: 10E0574

Date Received: 5/25/2010

Field Sample #: SW-17 | Sampled: 5/24/2010 11:05

Sample ID: 10E0574-07

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.11	mg/Kg dry	1	V-16	SW-846 8260B	5/26/10	5/26/10 17:30	MFF
Acrylonitrile	ND	0.0068	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:30	MFF
Benzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:30	MFF
Bromobenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:30	MFF
Bromodichloromethane	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:30	MFF
Bromoform	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:30	MFF
Bromomethane	ND	0.011	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:30	MFF
2-Butanone (MEK)	ND	0.045	mg/Kg dry	1	V-16	SW-846 8260B	5/26/10	5/26/10 17:30	MFF
n-Butylbenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:30	MFF
sec-Butylbenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:30	MFF
tert-Butylbenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:30	MFF
Carbon Disulfide	ND	0.0068	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:30	MFF
Carbon Tetrachloride	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:30	MFF
Chlorobenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:30	MFF
Chlorodibromomethane	ND	0.0011	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:30	MFF
Chloroethane	ND	0.023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:30	MFF
Chloroform	ND	0.0045	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:30	MFF
Chloromethane	ND	0.011	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:30	MFF
2-Chlorotoluene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:30	MFF
4-Chlorotoluene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:30	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:30	MFF
1,2-Dibromoethane (EDB)	ND	0.0011	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:30	MFF
Dibromomethane	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:30	MFF
1,2-Dichlorobenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:30	MFF
1,3-Dichlorobenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:30	MFF
1,4-Dichlorobenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:30	MFF
trans-1,4-Dichloro-2-butene	ND	0.0045	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:30	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:30	MFF
1,1-Dichloroethane	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:30	MFF
1,2-Dichloroethane	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:30	MFF
1,1-Dichloroethylene	ND	0.0045	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:30	MFF
cis-1,2-Dichloroethylene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:30	MFF
trans-1,2-Dichloroethylene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:30	MFF
1,2-Dichloropropane	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:30	MFF
1,3-Dichloropropane	ND	0.0011	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:30	MFF
2,2-Dichloropropane	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:30	MFF
1,1-Dichloropropene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:30	MFF
cis-1,3-Dichloropropene	ND	0.0011	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:30	MFF
trans-1,3-Dichloropropene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:30	MFF
Ethylbenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:30	MFF
Hexachlorobutadiene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:30	MFF
2-Hexanone (MBK)	ND	0.023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:30	MFF
Isopropylbenzene (Cumene)	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:30	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:30	MFF

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0574

Date Received: 5/25/2010
Field Sample #: SW-17
Sampled: 5/24/2010 11:05
Sample ID: 10E0574-07
Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0045	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:30	MFF
Methylene Chloride	ND	0.023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:30	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:30	MFF
Naphthalene	ND	0.0045	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:30	MFF
n-Propylbenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:30	MFF
Styrene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:30	MFF
1,1,1,2-Tetrachloroethane	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:30	MFF
1,1,2,2-Tetrachloroethane	ND	0.0011	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:30	MFF
Tetrachloroethylene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:30	MFF
Tetrahydrofuran	ND	0.011	mg/Kg dry	1	V-16	SW-846 8260B	5/26/10	5/26/10 17:30	MFF
Toluene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:30	MFF
1,2,3-Trichlorobenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:30	MFF
1,2,4-Trichlorobenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:30	MFF
1,1,1-Trichloroethane	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:30	MFF
1,1,2-Trichloroethane	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:30	MFF
Trichloroethylene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:30	MFF
Trichlorofluoromethane (Freon 11)	ND	0.011	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:30	MFF
1,2,3-Trichloropropane	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:30	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.011	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:30	MFF
1,2,4-Trimethylbenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:30	MFF
1,3,5-Trimethylbenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:30	MFF
Vinyl Chloride	ND	0.011	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:30	MFF
m+p Xylene	ND	0.0045	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:30	MFF
o-Xylene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:30	MFF

Surrogates	% Recovery	Recovery Limits	Flag		
1,2-Dichloroethane-d4	115	70-130			5/26/10 17:30
Toluene-d8	102	70-130			5/26/10 17:30
4-Bromofluorobenzene	102	70-130			5/26/10 17:30

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0574

Date Received: 5/25/2010
Field Sample #: SW-17
Sampled: 5/24/2010 11:05

Sample ID: 10E0574-07
Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 18:23	BGL
Acenaphthylene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 18:23	BGL
Anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 18:23	BGL
Benzo(a)anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 18:23	BGL
Benzo(a)pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 18:23	BGL
Benzo(b)fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 18:23	BGL
Benzo(g,h,i)perylene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 18:23	BGL
Benzo(k)fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 18:23	BGL
Chrysene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 18:23	BGL
Dibenz(a,h)anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 18:23	BGL
Fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 18:23	BGL
Fluorene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 18:23	BGL
Indeno(1,2,3-cd)pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 18:23	BGL
2-Methylnaphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 18:23	BGL
Naphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 18:23	BGL
Phenanthrene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 18:23	BGL
Pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 18:23	BGL

Surrogates	% Recovery	Recovery Limits	Flag			
Nitrobenzene-d5	59.5	30-130				6/1/10 18:23
2-Fluorobiphenyl	47.3	30-130				6/1/10 18:23
Terphenyl-d14	54.4	30-130				6/1/10 18:23

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0574

Date Received: 5/25/2010
Field Sample #: SW-17
Sampled: 5/24/2010 11:05

Sample ID: 10E0574-07
Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	12	mg/Kg dry	1		CTDEP ETPH	5/28/10	6/2/10 10:37	CJM

Surrogates	% Recovery	Recovery Limits	Flag	
o-Terphenyl	68.8	50-150		6/2/10 10:37

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0574

Date Received: 5/25/2010

Field Sample #: SW-18
Sampled: 5/24/2010 11:15

Sample ID: 10E0574-08

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0033	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:57	MFF
Methylene Chloride	ND	0.016	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:57	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.016	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:57	MFF
Naphthalene	ND	0.0033	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:57	MFF
n-Propylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:57	MFF
Styrene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:57	MFF
1,1,1,2-Tetrachloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:57	MFF
1,1,2,2-Tetrachloroethane	ND	0.00082	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:57	MFF
Tetrachloroethylene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:57	MFF
Tetrahydrofuran	ND	0.0082	mg/Kg dry	1	V-16	SW-846 8260B	5/26/10	5/26/10 17:57	MFF
Toluene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:57	MFF
1,2,3-Trichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:57	MFF
1,2,4-Trichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:57	MFF
1,1,1-Trichloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:57	MFF
1,1,2-Trichloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:57	MFF
Trichloroethylene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:57	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0082	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:57	MFF
1,2,3-Trichloropropane	ND	0.0016	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:57	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0082	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:57	MFF
1,2,4-Trimethylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:57	MFF
1,3,5-Trimethylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:57	MFF
Vinyl Chloride	ND	0.0082	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:57	MFF
m+p Xylene	ND	0.0033	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:57	MFF
o-Xylene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 17:57	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	113	70-130		5/26/10 17:57
Toluene-d8	102	70-130		5/26/10 17:57
4-Bromofluorobenzene	102	70-130		5/26/10 17:57

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0574

Date Received: 5/25/2010

Field Sample #: SW-18
Sampled: 5/24/2010 11:15

Sample ID: 10E0574-08

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	12	mg/Kg dry	1		CTDEP ETPH	5/28/10	6/2/10 10:56	CJM

Surrogates	% Recovery	Recovery Limits	Flag	
o-Terphenyl	75.3	50-150		6/2/10 10:56

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0574

Date Received: 5/25/2010
Field Sample #: SW-18
Sampled: 5/24/2010 11:15

Sample ID: 10E0574-08
Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	12	2.9	mg/Kg dry	1		SW-846 6010B	5/27/10	6/1/10 12:47	KSH
Barium	170	2.9	mg/Kg dry	1		SW-846 6010B	5/27/10	6/1/10 12:47	KSH
Cadmium	0.32	0.29	mg/Kg dry	1		SW-846 6010B	5/27/10	6/1/10 12:47	KSH
Chromium	27	0.58	mg/Kg dry	1		SW-846 6010B	5/27/10	6/1/10 12:47	KSH
Lead	21	0.87	mg/Kg dry	1		SW-846 6010B	5/27/10	6/1/10 12:47	KSH
Mercury	ND	0.024	mg/Kg dry	1		SW-846 7471A	5/27/10	5/28/10 11:01	MPF
Selenium	ND	5.8	mg/Kg dry	1		SW-846 6010B	5/27/10	6/1/10 12:47	KSH
Silver	ND	0.58	mg/Kg dry	1		SW-846 6010B	5/27/10	6/1/10 12:47	KSH

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0574

Date Received: 5/25/2010
Field Sample #: SW-18
Sampled: 5/24/2010 11:15

Sample ID: 10E0574-08
Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.8		% Wt	1		SM 2540G	5/28/10	5/31/10 16:13	NH

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Project Location: Portland Chemical | Sample Description: | Work Order: 10E0574

Date Received: 5/25/2010

Field Sample #: SW-19 | Sampled: 5/24/2010 11:30

Sample ID: 10E0574-09

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.12	mg/Kg dry	1	V-16	SW-846 8260B	5/26/10	5/26/10 19:42	MFF
Acetone	ND	4.4	mg/Kg dry	1		SW-846 8260B	5/27/10	5/28/10 2:28	MFF
Acrylonitrile	ND	0.0073	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 19:42	MFF
Acrylonitrile	ND	0.44	mg/Kg dry	1		SW-846 8260B	5/27/10	5/28/10 2:28	MFF
Benzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 19:42	MFF
Benzene	ND	0.087	mg/Kg dry	1		SW-846 8260B	5/27/10	5/28/10 2:28	MFF
Bromobenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 19:42	MFF
Bromobenzene	ND	0.087	mg/Kg dry	1		SW-846 8260B	5/27/10	5/28/10 2:28	MFF
Bromodichloromethane	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 19:42	MFF
Bromodichloromethane	ND	0.087	mg/Kg dry	1		SW-846 8260B	5/27/10	5/28/10 2:28	MFF
Bromoform	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 19:42	MFF
Bromoform	ND	1.7	mg/Kg dry	1		SW-846 8260B	5/27/10	5/28/10 2:28	MFF
Bromomethane	ND	0.012	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 19:42	MFF
Bromomethane	ND	0.17	mg/Kg dry	1	R-05	SW-846 8260B	5/27/10	5/28/10 2:28	MFF
2-Butanone (MEK)	ND	0.049	mg/Kg dry	1	V-16	SW-846 8260B	5/26/10	5/26/10 19:42	MFF
2-Butanone (MEK)	ND	1.7	mg/Kg dry	1		SW-846 8260B	5/27/10	5/28/10 2:28	MFF
n-Butylbenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 19:42	MFF
n-Butylbenzene	ND	0.087	mg/Kg dry	1		SW-846 8260B	5/27/10	5/28/10 2:28	MFF
sec-Butylbenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 19:42	MFF
sec-Butylbenzene	ND	0.087	mg/Kg dry	1		SW-846 8260B	5/27/10	5/28/10 2:28	MFF
tert-Butylbenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 19:42	MFF
tert-Butylbenzene	ND	0.087	mg/Kg dry	1		SW-846 8260B	5/27/10	5/28/10 2:28	MFF
Carbon Disulfide	ND	0.0073	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 19:42	MFF
Carbon Disulfide	ND	0.26	mg/Kg dry	1		SW-846 8260B	5/27/10	5/28/10 2:28	MFF
Carbon Tetrachloride	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 19:42	MFF
Carbon Tetrachloride	ND	0.35	mg/Kg dry	1		SW-846 8260B	5/27/10	5/28/10 2:28	MFF
Chlorobenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 19:42	MFF
Chlorobenzene	ND	0.087	mg/Kg dry	1		SW-846 8260B	5/27/10	5/28/10 2:28	MFF
Chlorodibromomethane	ND	0.0012	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 19:42	MFF
Chlorodibromomethane	ND	0.17	mg/Kg dry	1		SW-846 8260B	5/27/10	5/28/10 2:28	MFF
Chloroethane	ND	0.024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 19:42	MFF
Chloroethane	ND	0.17	mg/Kg dry	1		SW-846 8260B	5/27/10	5/28/10 2:28	MFF
Chloroform	ND	0.0049	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 19:42	MFF
Chloroform	ND	0.17	mg/Kg dry	1		SW-846 8260B	5/27/10	5/28/10 2:28	MFF
Chloromethane	ND	0.012	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 19:42	MFF
Chloromethane	ND	0.17	mg/Kg dry	1		SW-846 8260B	5/27/10	5/28/10 2:28	MFF
2-Chlorotoluene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 19:42	MFF
2-Chlorotoluene	ND	0.087	mg/Kg dry	1		SW-846 8260B	5/27/10	5/28/10 2:28	MFF
4-Chlorotoluene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 19:42	MFF
4-Chlorotoluene	ND	0.087	mg/Kg dry	1		SW-846 8260B	5/27/10	5/28/10 2:28	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 19:42	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.87	mg/Kg dry	1		SW-846 8260B	5/27/10	5/28/10 2:28	MFF
1,2-Dibromoethane (EDB)	ND	0.0012	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 19:42	MFF
1,2-Dibromoethane (EDB)	ND	0.044	mg/Kg dry	1		SW-846 8260B	5/27/10	5/28/10 2:28	MFF

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Project Location: Portland Chemical | Sample Description: | Work Order: 10E0574

Date Received: 5/25/2010

Field Sample #: SW-19 | Sampled: 5/24/2010 11:30

Sample ID: 10E0574-09

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Dibromomethane	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 19:42	MFF
Dibromomethane	ND	0.087	mg/Kg dry	1		SW-846 8260B	5/27/10	5/28/10 2:28	MFF
1,2-Dichlorobenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 19:42	MFF
1,2-Dichlorobenzene	ND	0.087	mg/Kg dry	1		SW-846 8260B	5/27/10	5/28/10 2:28	MFF
1,3-Dichlorobenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 19:42	MFF
1,3-Dichlorobenzene	ND	0.087	mg/Kg dry	1		SW-846 8260B	5/27/10	5/28/10 2:28	MFF
1,4-Dichlorobenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 19:42	MFF
1,4-Dichlorobenzene	ND	0.087	mg/Kg dry	1		SW-846 8260B	5/27/10	5/28/10 2:28	MFF
trans-1,4-Dichloro-2-butene	ND	0.0049	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 19:42	MFF
trans-1,4-Dichloro-2-butene	ND	0.17	mg/Kg dry	1		SW-846 8260B	5/27/10	5/28/10 2:28	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 19:42	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.17	mg/Kg dry	1		SW-846 8260B	5/27/10	5/28/10 2:28	MFF
1,1-Dichloroethane	ND	0.087	mg/Kg dry	1		SW-846 8260B	5/27/10	5/28/10 2:28	MFF
1,1-Dichloroethane	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 19:42	MFF
1,2-Dichloroethane	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 19:42	MFF
1,2-Dichloroethane	ND	0.087	mg/Kg dry	1		SW-846 8260B	5/27/10	5/28/10 2:28	MFF
1,1-Dichloroethylene	ND	0.087	mg/Kg dry	1		SW-846 8260B	5/27/10	5/28/10 2:28	MFF
1,1-Dichloroethylene	ND	0.0049	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 19:42	MFF
cis-1,2-Dichloroethylene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 19:42	MFF
cis-1,2-Dichloroethylene	ND	0.087	mg/Kg dry	1		SW-846 8260B	5/27/10	5/28/10 2:28	MFF
trans-1,2-Dichloroethylene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 19:42	MFF
trans-1,2-Dichloroethylene	ND	0.087	mg/Kg dry	1		SW-846 8260B	5/27/10	5/28/10 2:28	MFF
1,2-Dichloropropane	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 19:42	MFF
1,2-Dichloropropane	ND	0.087	mg/Kg dry	1		SW-846 8260B	5/27/10	5/28/10 2:28	MFF
1,3-Dichloropropane	ND	0.0012	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 19:42	MFF
1,3-Dichloropropane	ND	0.044	mg/Kg dry	1		SW-846 8260B	5/27/10	5/28/10 2:28	MFF
2,2-Dichloropropane	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 19:42	MFF
2,2-Dichloropropane	ND	0.087	mg/Kg dry	1	R-05	SW-846 8260B	5/27/10	5/28/10 2:28	MFF
1,1-Dichloropropene	ND	0.17	mg/Kg dry	1		SW-846 8260B	5/27/10	5/28/10 2:28	MFF
1,1-Dichloropropene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 19:42	MFF
cis-1,3-Dichloropropene	ND	0.0012	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 19:42	MFF
cis-1,3-Dichloropropene	ND	0.044	mg/Kg dry	1		SW-846 8260B	5/27/10	5/28/10 2:28	MFF
trans-1,3-Dichloropropene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 19:42	MFF
trans-1,3-Dichloropropene	ND	0.044	mg/Kg dry	1		SW-846 8260B	5/27/10	5/28/10 2:28	MFF
Ethylbenzene	0.19	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 19:42	MFF
Ethylbenzene	0.28	0.087	mg/Kg dry	1		SW-846 8260B	5/27/10	5/28/10 2:28	MFF
Hexachlorobutadiene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 19:42	MFF
Hexachlorobutadiene	ND	0.087	mg/Kg dry	1		SW-846 8260B	5/27/10	5/28/10 2:28	MFF
2-Hexanone (MBK)	ND	0.024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 19:42	MFF
2-Hexanone (MBK)	ND	0.87	mg/Kg dry	1		SW-846 8260B	5/27/10	5/28/10 2:28	MFF
Isopropylbenzene (Cumene)	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 19:42	MFF
Isopropylbenzene (Cumene)	ND	0.087	mg/Kg dry	1		SW-846 8260B	5/27/10	5/28/10 2:28	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 19:42	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.087	mg/Kg dry	1		SW-846 8260B	5/27/10	5/28/10 2:28	MFF

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Project Location: Portland Chemical | Sample Description: | Work Order: 10E0574

Date Received: 5/25/2010

Field Sample #: SW-19 | Sampled: 5/24/2010 11:30

Sample ID: 10E0574-09

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0049	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 19:42	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.087	mg/Kg dry	1		SW-846 8260B	5/27/10	5/28/10 2:28	MFF
Methylene Chloride	ND	0.024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 19:42	MFF
Methylene Chloride	ND	0.44	mg/Kg dry	1		SW-846 8260B	5/27/10	5/28/10 2:28	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 19:42	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.87	mg/Kg dry	1		SW-846 8260B	5/27/10	5/28/10 2:28	MFF
Naphthalene	ND	0.0049	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 19:42	MFF
Naphthalene	ND	0.17	mg/Kg dry	1		SW-846 8260B	5/27/10	5/28/10 2:28	MFF
n-Propylbenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 19:42	MFF
n-Propylbenzene	ND	0.087	mg/Kg dry	1		SW-846 8260B	5/27/10	5/28/10 2:28	MFF
Styrene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 19:42	MFF
Styrene	ND	0.087	mg/Kg dry	1		SW-846 8260B	5/27/10	5/28/10 2:28	MFF
1,1,1,2-Tetrachloroethane	ND	0.17	mg/Kg dry	1		SW-846 8260B	5/27/10	5/28/10 2:28	MFF
1,1,1,2-Tetrachloroethane	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 19:42	MFF
1,1,2,2-Tetrachloroethane	ND	0.044	mg/Kg dry	1		SW-846 8260B	5/27/10	5/28/10 2:28	MFF
1,1,2,2-Tetrachloroethane	ND	0.0012	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 19:42	MFF
Tetrachloroethylene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 19:42	MFF
Tetrachloroethylene	ND	0.087	mg/Kg dry	1		SW-846 8260B	5/27/10	5/28/10 2:28	MFF
Tetrahydrofuran	ND	0.012	mg/Kg dry	1	V-16	SW-846 8260B	5/26/10	5/26/10 19:42	MFF
Tetrahydrofuran	ND	0.87	mg/Kg dry	1		SW-846 8260B	5/27/10	5/28/10 2:28	MFF
Toluene	0.076	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 19:42	MFF
Toluene	0.14	0.087	mg/Kg dry	1		SW-846 8260B	5/27/10	5/28/10 2:28	MFF
1,2,3-Trichlorobenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 19:42	MFF
1,2,3-Trichlorobenzene	ND	0.44	mg/Kg dry	1		SW-846 8260B	5/27/10	5/28/10 2:28	MFF
1,2,4-Trichlorobenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 19:42	MFF
1,2,4-Trichlorobenzene	ND	0.087	mg/Kg dry	1		SW-846 8260B	5/27/10	5/28/10 2:28	MFF
1,1,1-Trichloroethane	ND	0.087	mg/Kg dry	1		SW-846 8260B	5/27/10	5/28/10 2:28	MFF
1,1,1-Trichloroethane	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 19:42	MFF
1,1,2-Trichloroethane	ND	0.087	mg/Kg dry	1		SW-846 8260B	5/27/10	5/28/10 2:28	MFF
1,1,2-Trichloroethane	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 19:42	MFF
Trichloroethylene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 19:42	MFF
Trichloroethylene	ND	0.087	mg/Kg dry	1		SW-846 8260B	5/27/10	5/28/10 2:28	MFF
Trichlorofluoromethane (Freon 11)	ND	0.012	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 19:42	MFF
Trichlorofluoromethane (Freon 11)	ND	0.17	mg/Kg dry	1		SW-846 8260B	5/27/10	5/28/10 2:28	MFF
1,2,3-Trichloropropane	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 19:42	MFF
1,2,3-Trichloropropane	ND	0.17	mg/Kg dry	1		SW-846 8260B	5/27/10	5/28/10 2:28	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.087	mg/Kg dry	1		SW-846 8260B	5/27/10	5/28/10 2:28	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.012	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 19:42	MFF
1,2,4-Trimethylbenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 19:42	MFF
1,2,4-Trimethylbenzene	ND	0.087	mg/Kg dry	1		SW-846 8260B	5/27/10	5/28/10 2:28	MFF
1,3,5-Trimethylbenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 19:42	MFF
1,3,5-Trimethylbenzene	ND	0.087	mg/Kg dry	1		SW-846 8260B	5/27/10	5/28/10 2:28	MFF
Vinyl Chloride	ND	0.012	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 19:42	MFF

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0574

Date Received: 5/25/2010
Field Sample #: SW-19
Sampled: 5/24/2010 11:30
Sample ID: 10E0574-09
Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Vinyl Chloride	ND	0.17	mg/Kg dry	1		SW-846 8260B	5/27/10	5/28/10 2:28	MFF
m+p Xylene	0.57	0.0049	mg/Kg dry	1	E	SW-846 8260B	5/26/10	5/26/10 19:42	MFF
m+p Xylene	1.2	0.17	mg/Kg dry	1		SW-846 8260B	5/27/10	5/28/10 2:28	MFF
o-Xylene	0.12	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 19:42	MFF
o-Xylene	0.19	0.087	mg/Kg dry	1		SW-846 8260B	5/27/10	5/28/10 2:28	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	117	70-130		5/26/10 19:42
1,2-Dichloroethane-d4	97.6	70-130		5/28/10 2:28
Toluene-d8	102	70-130		5/26/10 19:42
Toluene-d8	90.3	70-130		5/28/10 2:28
4-Bromofluorobenzene	106	70-130		5/26/10 19:42
4-Bromofluorobenzene	70.3	70-130		5/28/10 2:28

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Project Location: Portland Chemical | Sample Description: | Work Order: 10E0574

Date Received: 5/25/2010

Field Sample #: SW-19 | Sampled: 5/24/2010 11:30

Sample ID: 10E0574-09

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.21	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 18:56	BGL
Acenaphthylene	ND	0.21	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 18:56	BGL
Anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 18:56	BGL
Benzo(a)anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 18:56	BGL
Benzo(a)pyrene	ND	0.21	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 18:56	BGL
Benzo(b)fluoranthene	ND	0.21	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 18:56	BGL
Benzo(g,h,i)perylene	ND	0.21	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 18:56	BGL
Benzo(k)fluoranthene	ND	0.21	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 18:56	BGL
Chrysene	ND	0.21	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 18:56	BGL
Dibenz(a,h)anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 18:56	BGL
Fluoranthene	ND	0.21	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 18:56	BGL
Fluorene	ND	0.21	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 18:56	BGL
Indeno(1,2,3-cd)pyrene	ND	0.21	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 18:56	BGL
2-Methylnaphthalene	ND	0.21	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 18:56	BGL
Naphthalene	ND	0.21	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 18:56	BGL
Phenanthrene	ND	0.21	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 18:56	BGL
Pyrene	ND	0.21	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 18:56	BGL

Surrogates	% Recovery	Recovery Limits	Flag	
Nitrobenzene-d5	57.4	30-130		6/1/10 18:56
2-Fluorobiphenyl	49.7	30-130		6/1/10 18:56
Terphenyl-d14	53.8	30-130		6/1/10 18:56

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Project Location: Portland Chemical | Sample Description: | Work Order: 10E0574

Date Received: 5/25/2010

Field Sample #: SW-19 | Sampled: 5/24/2010 11:30

Sample ID: 10E0574-09

Sample Matrix: Soil

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [2]	ND	0.025	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 16:18	JB
Aldrin [1]	ND	0.0062	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 16:18	JB
alpha-BHC [1]	ND	0.0062	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 16:18	JB
beta-BHC [1]	ND	0.0062	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 16:18	JB
delta-BHC [1]	ND	0.0062	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 16:18	JB
gamma-BHC (Lindane) [1]	ND	0.0037	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 16:18	JB
Chlordane [1]	ND	0.025	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 16:18	JB
4,4'-DDD [1]	ND	0.010	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 16:18	JB
4,4'-DDE [2]	ND	0.0050	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 16:18	JB
4,4'-DDT [1]	ND	0.010	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 16:18	JB
Dieldrin [1]	ND	0.0025	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 16:18	JB
Endosulfan I [1]	ND	0.0062	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 16:18	JB
Endosulfan II [1]	ND	0.010	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 16:18	JB
Endosulfan sulfate [1]	ND	0.010	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 16:18	JB
Endrin [1]	ND	0.010	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 16:18	JB
Endrin aldehyde [1]	0.036	0.010	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 20:08	JB
Endrin ketone [1]	ND	0.010	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 16:18	JB
Heptachlor [1]	ND	0.0062	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 16:18	JB
Heptachlor epoxide [1]	ND	0.0062	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 16:18	JB
Hexachlorobenzene [1]	ND	0.0062	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 16:18	JB
Methoxychlor [1]	ND	0.062	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 16:18	JB
Toxaphene [1]	ND	0.12	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 16:18	JB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	74.0	30-150		5/28/10 16:18
Decachlorobiphenyl [2]	82.1	30-150		5/28/10 16:18
Tetrachloro-m-xylene [1]	75.3	30-150		5/28/10 16:18
Tetrachloro-m-xylene [2]	78.6	30-150		5/28/10 16:18

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0574

Date Received: 5/25/2010
Field Sample #: SW-19
Sampled: 5/24/2010 11:30

Sample ID: 10E0574-09
Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	20	13	mg/Kg dry	1		CTDEP ETPH	5/28/10	6/2/10 11:14	CJM

Surrogates	% Recovery	Recovery Limits	Flag	
o-Terphenyl	80.3	50-150		6/2/10 11:14

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Project Location: Portland Chemical
Date Received: 5/25/2010
Field Sample #: SW-19
Sample ID: 10E0574-09
Sample Matrix: Soil

Sample Description:

Sampled: 5/24/2010 11:30

Work Order: 10E0574

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	79.6		% Wt	1		SM 2540G	5/28/10	5/31/10 16:13	NH

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0574

Date Received: 5/25/2010
Field Sample #: SW-20
Sampled: 5/24/2010 11:40

Sample ID: 10E0574-10
Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.12	mg/Kg dry	1	V-16	SW-846 8260B	5/26/10	5/27/10 8:51	MFF
Acrylonitrile	ND	0.0069	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:51	MFF
Benzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:51	MFF
Bromobenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:51	MFF
Bromodichloromethane	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:51	MFF
Bromoform	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:51	MFF
Bromomethane	ND	0.012	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:51	MFF
2-Butanone (MEK)	ND	0.046	mg/Kg dry	1	V-16	SW-846 8260B	5/26/10	5/27/10 8:51	MFF
n-Butylbenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:51	MFF
sec-Butylbenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:51	MFF
tert-Butylbenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:51	MFF
Carbon Disulfide	ND	0.0069	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:51	MFF
Carbon Tetrachloride	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:51	MFF
Chlorobenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:51	MFF
Chlorodibromomethane	ND	0.0012	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:51	MFF
Chloroethane	ND	0.023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:51	MFF
Chloroform	ND	0.0046	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:51	MFF
Chloromethane	ND	0.012	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:51	MFF
2-Chlorotoluene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:51	MFF
4-Chlorotoluene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:51	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:51	MFF
1,2-Dibromoethane (EDB)	ND	0.0012	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:51	MFF
Dibromomethane	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:51	MFF
1,2-Dichlorobenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:51	MFF
1,3-Dichlorobenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:51	MFF
1,4-Dichlorobenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:51	MFF
trans-1,4-Dichloro-2-butene	ND	0.0046	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:51	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:51	MFF
1,1-Dichloroethane	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:51	MFF
1,2-Dichloroethane	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:51	MFF
1,1-Dichloroethylene	ND	0.0046	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:51	MFF
cis-1,2-Dichloroethylene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:51	MFF
trans-1,2-Dichloroethylene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:51	MFF
1,2-Dichloropropane	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:51	MFF
1,3-Dichloropropane	ND	0.0012	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:51	MFF
2,2-Dichloropropane	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:51	MFF
1,1-Dichloropropene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:51	MFF
cis-1,3-Dichloropropene	ND	0.0012	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:51	MFF
trans-1,3-Dichloropropene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:51	MFF
Ethylbenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:51	MFF
Hexachlorobutadiene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:51	MFF
2-Hexanone (MBK)	ND	0.023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:51	MFF
Isopropylbenzene (Cumene)	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:51	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:51	MFF

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0574

Date Received: 5/25/2010
Field Sample #: SW-20
Sampled: 5/24/2010 11:40
Sample ID: 10E0574-10
Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0046	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:51	MFF
Methylene Chloride	ND	0.023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:51	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:51	MFF
Naphthalene	ND	0.0046	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:51	MFF
n-Propylbenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:51	MFF
Styrene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:51	MFF
1,1,1,2-Tetrachloroethane	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:51	MFF
1,1,2,2-Tetrachloroethane	ND	0.0012	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:51	MFF
Tetrachloroethylene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:51	MFF
Tetrahydrofuran	ND	0.012	mg/Kg dry	1	V-16	SW-846 8260B	5/26/10	5/27/10 8:51	MFF
Toluene	0.0029	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:51	MFF
1,2,3-Trichlorobenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:51	MFF
1,2,4-Trichlorobenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:51	MFF
1,1,1-Trichloroethane	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:51	MFF
1,1,2-Trichloroethane	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:51	MFF
Trichloroethylene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:51	MFF
Trichlorofluoromethane (Freon 11)	ND	0.012	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:51	MFF
1,2,3-Trichloropropane	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:51	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.012	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:51	MFF
1,2,4-Trimethylbenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:51	MFF
1,3,5-Trimethylbenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:51	MFF
Vinyl Chloride	ND	0.012	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:51	MFF
m+p Xylene	ND	0.0046	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:51	MFF
o-Xylene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:51	MFF

Surrogates	% Recovery	Recovery Limits	Flag		
1,2-Dichloroethane-d4	102	70-130		5/27/10	8:51
Toluene-d8	102	70-130		5/27/10	8:51
4-Bromofluorobenzene	99.2	70-130		5/27/10	8:51

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0574

Date Received: 5/25/2010
Field Sample #: SW-20
Sampled: 5/24/2010 11:40

Sample ID: 10E0574-10
Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	110	mg/Kg dry	5		CTDEP ETPH	5/28/10	6/2/10 11:52	CJM

Surrogates	% Recovery	Recovery Limits	Flag	
o-Terphenyl	71.1	50-150		6/2/10 11:52

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0574

Date Received: 5/25/2010
Field Sample #: SW-20
Sampled: 5/24/2010 11:40

Sample ID: 10E0574-10
Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	3.9	2.8	mg/Kg dry	1		SW-846 6010B	5/27/10	6/1/10 12:52	KSH
Barium	74	2.8	mg/Kg dry	1		SW-846 6010B	5/27/10	6/1/10 12:52	KSH
Cadmium	5.4	0.28	mg/Kg dry	1		SW-846 6010B	5/27/10	6/1/10 12:52	KSH
Chromium	20	0.56	mg/Kg dry	1		SW-846 6010B	5/27/10	6/1/10 12:52	KSH
Lead	14	0.84	mg/Kg dry	1		SW-846 6010B	5/27/10	6/1/10 12:52	KSH
Mercury	0.024	0.022	mg/Kg dry	1		SW-846 7471A	5/27/10	5/28/10 11:03	MPF
Selenium	ND	5.6	mg/Kg dry	1		SW-846 6010B	5/27/10	6/1/10 12:52	KSH
Silver	6.3	0.56	mg/Kg dry	1		SW-846 6010B	5/27/10	6/1/10 12:52	KSH

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0574

Date Received: 5/25/2010
Field Sample #: SW-20
Sampled: 5/24/2010 11:40

Sample ID: 10E0574-10
Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.1		% Wt	1		SM 2540G	5/28/10	5/31/10 16:13	NH

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Project Location: Portland Chemical | Sample Description: | Work Order: 10E0574

Date Received: 5/25/2010

Field Sample #: SW-21 | Sampled: 5/24/2010 11:55

Sample ID: 10E0574-11

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.12	mg/Kg dry	1	V-16	SW-846 8260B	5/26/10	5/26/10 20:35	MFF
Acrylonitrile	ND	0.0069	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 20:35	MFF
Benzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 20:35	MFF
Bromobenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 20:35	MFF
Bromodichloromethane	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 20:35	MFF
Bromoform	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 20:35	MFF
Bromomethane	ND	0.012	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 20:35	MFF
2-Butanone (MEK)	ND	0.046	mg/Kg dry	1	V-16	SW-846 8260B	5/26/10	5/26/10 20:35	MFF
n-Butylbenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 20:35	MFF
sec-Butylbenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 20:35	MFF
tert-Butylbenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 20:35	MFF
Carbon Disulfide	ND	0.0069	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 20:35	MFF
Carbon Tetrachloride	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 20:35	MFF
Chlorobenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 20:35	MFF
Chlorodibromomethane	ND	0.0012	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 20:35	MFF
Chloroethane	ND	0.023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 20:35	MFF
Chloroform	ND	0.0046	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 20:35	MFF
Chloromethane	ND	0.012	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 20:35	MFF
2-Chlorotoluene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 20:35	MFF
4-Chlorotoluene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 20:35	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 20:35	MFF
1,2-Dibromoethane (EDB)	ND	0.0012	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 20:35	MFF
Dibromomethane	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 20:35	MFF
1,2-Dichlorobenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 20:35	MFF
1,3-Dichlorobenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 20:35	MFF
1,4-Dichlorobenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 20:35	MFF
trans-1,4-Dichloro-2-butene	ND	0.0046	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 20:35	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 20:35	MFF
1,1-Dichloroethane	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 20:35	MFF
1,2-Dichloroethane	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 20:35	MFF
1,1-Dichloroethylene	ND	0.0046	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 20:35	MFF
cis-1,2-Dichloroethylene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 20:35	MFF
trans-1,2-Dichloroethylene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 20:35	MFF
1,2-Dichloropropane	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 20:35	MFF
1,3-Dichloropropane	ND	0.0012	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 20:35	MFF
2,2-Dichloropropane	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 20:35	MFF
1,1-Dichloropropene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 20:35	MFF
cis-1,3-Dichloropropene	ND	0.0012	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 20:35	MFF
trans-1,3-Dichloropropene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 20:35	MFF
Ethylbenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 20:35	MFF
Hexachlorobutadiene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 20:35	MFF
2-Hexanone (MBK)	ND	0.023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 20:35	MFF
Isopropylbenzene (Cumene)	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 20:35	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 20:35	MFF

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Project Location: Portland Chemical | Sample Description: | Work Order: 10E0574

Date Received: 5/25/2010

Field Sample #: SW-21 | Sampled: 5/24/2010 11:55

Sample ID: 10E0574-11

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0046	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 20:35	MFF
Methylene Chloride	ND	0.023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 20:35	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 20:35	MFF
Naphthalene	ND	0.0046	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 20:35	MFF
n-Propylbenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 20:35	MFF
Styrene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 20:35	MFF
1,1,1,2-Tetrachloroethane	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 20:35	MFF
1,1,2,2-Tetrachloroethane	ND	0.0012	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 20:35	MFF
Tetrachloroethylene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 20:35	MFF
Tetrahydrofuran	ND	0.012	mg/Kg dry	1	V-16	SW-846 8260B	5/26/10	5/26/10 20:35	MFF
Toluene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 20:35	MFF
1,2,3-Trichlorobenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 20:35	MFF
1,2,4-Trichlorobenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 20:35	MFF
1,1,1-Trichloroethane	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 20:35	MFF
1,1,2-Trichloroethane	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 20:35	MFF
Trichloroethylene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 20:35	MFF
Trichlorofluoromethane (Freon 11)	ND	0.012	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 20:35	MFF
1,2,3-Trichloropropane	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 20:35	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.012	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 20:35	MFF
1,2,4-Trimethylbenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 20:35	MFF
1,3,5-Trimethylbenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 20:35	MFF
Vinyl Chloride	ND	0.012	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 20:35	MFF
m+p Xylene	ND	0.0046	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 20:35	MFF
o-Xylene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 20:35	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	113	70-130		5/26/10 20:35
Toluene-d8	104	70-130		5/26/10 20:35
4-Bromofluorobenzene	99.9	70-130		5/26/10 20:35

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Project Location: Portland Chemical | Sample Description: | Work Order: 10E0574

Date Received: 5/25/2010

Field Sample #: SW-21 | Sampled: 5/24/2010 11:55

Sample ID: 10E0574-11

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 19:29	BGL
Acenaphthylene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 19:29	BGL
Anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 19:29	BGL
Benzo(a)anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 19:29	BGL
Benzo(a)pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 19:29	BGL
Benzo(b)fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 19:29	BGL
Benzo(g,h,i)perylene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 19:29	BGL
Benzo(k)fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 19:29	BGL
Chrysene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 19:29	BGL
Dibenz(a,h)anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 19:29	BGL
Fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 19:29	BGL
Fluorene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 19:29	BGL
Indeno(1,2,3-cd)pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 19:29	BGL
2-Methylnaphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 19:29	BGL
Naphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 19:29	BGL
Phenanthrene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 19:29	BGL
Pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/28/10	6/1/10 19:29	BGL

Surrogates	% Recovery	Recovery Limits	Flag	
Nitrobenzene-d5	50.2	30-130		6/1/10 19:29
2-Fluorobiphenyl	43.9	30-130		6/1/10 19:29
Terphenyl-d14	51.1	30-130		6/1/10 19:29

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Project Location: Portland Chemical | Sample Description: | Work Order: 10E0574

Date Received: 5/25/2010

Field Sample #: SW-21 | Sampled: 5/24/2010 11:55

Sample ID: 10E0574-11

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	11	mg/Kg dry	1		CTDEP ETPH	5/28/10	6/2/10 11:33	CJM

Surrogates	% Recovery	Recovery Limits	Flag	
o-Terphenyl	68.9	50-150		6/2/10 11:33

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0574

Date Received: 5/25/2010

Field Sample #: SW-21
Sampled: 5/24/2010 11:55

Sample ID: 10E0574-11

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.5		% Wt	1		SM 2540G	5/28/10	5/31/10 16:13	NH

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Project Location: Portland Chemical | Sample Description: | Work Order: 10E0574

Date Received: 5/25/2010

Field Sample #: SW-22 | Sampled: 5/24/2010 12:07

Sample ID: 10E0574-12

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.10	mg/Kg dry	1	V-16	SW-846 8260B	5/26/10	5/26/10 21:01	MFF
Acrylonitrile	ND	0.0062	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:01	MFF
Benzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:01	MFF
Bromobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:01	MFF
Bromodichloromethane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:01	MFF
Bromoform	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:01	MFF
Bromomethane	ND	0.010	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:01	MFF
2-Butanone (MEK)	ND	0.041	mg/Kg dry	1	V-16	SW-846 8260B	5/26/10	5/26/10 21:01	MFF
n-Butylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:01	MFF
sec-Butylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:01	MFF
tert-Butylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:01	MFF
Carbon Disulfide	ND	0.0062	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:01	MFF
Carbon Tetrachloride	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:01	MFF
Chlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:01	MFF
Chlorodibromomethane	ND	0.0010	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:01	MFF
Chloroethane	ND	0.021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:01	MFF
Chloroform	ND	0.0041	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:01	MFF
Chloromethane	ND	0.010	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:01	MFF
2-Chlorotoluene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:01	MFF
4-Chlorotoluene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:01	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:01	MFF
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:01	MFF
Dibromomethane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:01	MFF
1,2-Dichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:01	MFF
1,3-Dichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:01	MFF
1,4-Dichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:01	MFF
trans-1,4-Dichloro-2-butene	ND	0.0041	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:01	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:01	MFF
1,1-Dichloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:01	MFF
1,2-Dichloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:01	MFF
1,1-Dichloroethylene	ND	0.0041	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:01	MFF
cis-1,2-Dichloroethylene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:01	MFF
trans-1,2-Dichloroethylene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:01	MFF
1,2-Dichloropropane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:01	MFF
1,3-Dichloropropane	ND	0.0010	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:01	MFF
2,2-Dichloropropane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:01	MFF
1,1-Dichloropropene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:01	MFF
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:01	MFF
trans-1,3-Dichloropropene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:01	MFF
Ethylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:01	MFF
Hexachlorobutadiene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:01	MFF
2-Hexanone (MBK)	ND	0.021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:01	MFF
Isopropylbenzene (Cumene)	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:01	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:01	MFF

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Portland Chemical | Sample Description: | Work Order: 10E0574

Date Received: 5/25/2010

Field Sample #: SW-22 | Sampled: 5/24/2010 12:07

Sample ID: 10E0574-12

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0041	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:01	MFF
Methylene Chloride	ND	0.021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:01	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:01	MFF
Naphthalene	ND	0.0041	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:01	MFF
n-Propylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:01	MFF
Styrene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:01	MFF
1,1,1,2-Tetrachloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:01	MFF
1,1,2,2-Tetrachloroethane	ND	0.0010	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:01	MFF
Tetrachloroethylene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:01	MFF
Tetrahydrofuran	ND	0.010	mg/Kg dry	1	V-16	SW-846 8260B	5/26/10	5/26/10 21:01	MFF
Toluene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:01	MFF
1,2,3-Trichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:01	MFF
1,2,4-Trichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:01	MFF
1,1,1-Trichloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:01	MFF
1,1,2-Trichloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:01	MFF
Trichloroethylene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:01	MFF
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:01	MFF
1,2,3-Trichloropropane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:01	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:01	MFF
1,2,4-Trimethylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:01	MFF
1,3,5-Trimethylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:01	MFF
Vinyl Chloride	ND	0.010	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:01	MFF
m+p Xylene	ND	0.0041	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:01	MFF
o-Xylene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:01	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	114	70-130		5/26/10 21:01
Toluene-d8	101	70-130		5/26/10 21:01
4-Bromofluorobenzene	100	70-130		5/26/10 21:01

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Portland Chemical
Sample Description:
Work Order: 10E0574

Date Received: 5/25/2010

Field Sample #: SW-22
Sampled: 5/24/2010 12:07

Sample ID: 10E0574-12

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	130	54	mg/Kg dry	5		CTDEP ETPH	5/28/10	6/3/10 11:27	CJM

Surrogates	% Recovery	Recovery Limits	Flag				
o-Terphenyl	69.6	50-150					6/3/10 11:27

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0574

Date Received: 5/25/2010
Field Sample #: SW-22
Sampled: 5/24/2010 12:07

Sample ID: 10E0574-12
Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	12	2.7	mg/Kg dry	1		SW-846 6010B	5/27/10	6/1/10 12:56	KSH
Barium	120	2.7	mg/Kg dry	1		SW-846 6010B	5/27/10	6/1/10 12:56	KSH
Cadmium	ND	0.27	mg/Kg dry	1		SW-846 6010B	5/27/10	6/1/10 12:56	KSH
Chromium	1300	0.54	mg/Kg dry	1		SW-846 6010B	5/27/10	6/1/10 12:56	KSH
Lead	7.6	0.82	mg/Kg dry	1		SW-846 6010B	5/27/10	6/1/10 12:56	KSH
Mercury	ND	0.017	mg/Kg dry	1		SW-846 7471A	5/27/10	5/28/10 11:04	MPF
Selenium	ND	5.4	mg/Kg dry	1		SW-846 6010B	5/27/10	6/1/10 12:56	KSH
Silver	ND	0.54	mg/Kg dry	1		SW-846 6010B	5/27/10	6/1/10 12:56	KSH

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Project Location: Portland Chemical | Sample Description: | Work Order: 10E0574

Date Received: 5/25/2010

Field Sample #: SW-22 | Sampled: 5/24/2010 12:07

Sample ID: 10E0574-12

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.7		% Wt	1		SM 2540G	5/28/10	5/31/10 16:13	NH

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Project Location: Portland Chemical | Sample Description: | Work Order: 10E0574

Date Received: 5/25/2010

Field Sample #: Bottom-23 | Sampled: 5/24/2010 13:10

Sample ID: 10E0574-13

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.11	mg/Kg dry	1	V-16	SW-846 8260B	5/26/10	5/26/10 21:27	MFF
Acrylonitrile	ND	0.0068	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:27	MFF
Benzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:27	MFF
Bromobenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:27	MFF
Bromodichloromethane	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:27	MFF
Bromoform	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:27	MFF
Bromomethane	ND	0.011	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:27	MFF
2-Butanone (MEK)	ND	0.045	mg/Kg dry	1	V-16	SW-846 8260B	5/26/10	5/26/10 21:27	MFF
n-Butylbenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:27	MFF
sec-Butylbenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:27	MFF
tert-Butylbenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:27	MFF
Carbon Disulfide	ND	0.0068	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:27	MFF
Carbon Tetrachloride	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:27	MFF
Chlorobenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:27	MFF
Chlorodibromomethane	ND	0.0011	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:27	MFF
Chloroethane	ND	0.023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:27	MFF
Chloroform	ND	0.0045	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:27	MFF
Chloromethane	ND	0.011	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:27	MFF
2-Chlorotoluene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:27	MFF
4-Chlorotoluene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:27	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:27	MFF
1,2-Dibromoethane (EDB)	ND	0.0011	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:27	MFF
Dibromomethane	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:27	MFF
1,2-Dichlorobenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:27	MFF
1,3-Dichlorobenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:27	MFF
1,4-Dichlorobenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:27	MFF
trans-1,4-Dichloro-2-butene	ND	0.0045	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:27	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:27	MFF
1,1-Dichloroethane	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:27	MFF
1,2-Dichloroethane	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:27	MFF
1,1-Dichloroethylene	ND	0.0045	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:27	MFF
cis-1,2-Dichloroethylene	0.0044	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:27	MFF
trans-1,2-Dichloroethylene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:27	MFF
1,2-Dichloropropane	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:27	MFF
1,3-Dichloropropane	ND	0.0011	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:27	MFF
2,2-Dichloropropane	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:27	MFF
1,1-Dichloropropene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:27	MFF
cis-1,3-Dichloropropene	ND	0.0011	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:27	MFF
trans-1,3-Dichloropropene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:27	MFF
Ethylbenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:27	MFF
Hexachlorobutadiene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:27	MFF
2-Hexanone (MBK)	ND	0.023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:27	MFF
Isopropylbenzene (Cumene)	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:27	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:27	MFF

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Portland Chemical | Sample Description: | Work Order: 10E0574

Date Received: 5/25/2010

Field Sample #: Bottom-23 | Sampled: 5/24/2010 13:10

Sample ID: 10E0574-13

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0045	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:27	MFF
Methylene Chloride	ND	0.023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:27	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:27	MFF
Naphthalene	ND	0.0045	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:27	MFF
n-Propylbenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:27	MFF
Styrene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:27	MFF
1,1,1,2-Tetrachloroethane	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:27	MFF
1,1,2,2-Tetrachloroethane	ND	0.0011	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:27	MFF
Tetrachloroethylene	0.0054	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:27	MFF
Tetrahydrofuran	ND	0.011	mg/Kg dry	1	V-16	SW-846 8260B	5/26/10	5/26/10 21:27	MFF
Toluene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:27	MFF
1,2,3-Trichlorobenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:27	MFF
1,2,4-Trichlorobenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:27	MFF
1,1,1-Trichloroethane	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:27	MFF
1,1,2-Trichloroethane	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:27	MFF
Trichloroethylene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:27	MFF
Trichlorofluoromethane (Freon 11)	ND	0.011	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:27	MFF
1,2,3-Trichloropropane	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:27	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.011	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:27	MFF
1,2,4-Trimethylbenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:27	MFF
1,3,5-Trimethylbenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:27	MFF
Vinyl Chloride	ND	0.011	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:27	MFF
m+p Xylene	ND	0.0045	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:27	MFF
o-Xylene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:27	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	111	70-130		5/26/10 21:27
Toluene-d8	102	70-130		5/26/10 21:27
4-Bromofluorobenzene	99.4	70-130		5/26/10 21:27

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0574

Date Received: 5/25/2010
Field Sample #: Bottom-23
Sampled: 5/24/2010 13:10
Sample ID: 10E0574-13
Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.21	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 12:27	BGL
Acenaphthylene	ND	0.21	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 12:27	BGL
Anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 12:27	BGL
Benzo(a)anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 12:27	BGL
Benzo(a)pyrene	ND	0.21	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 12:27	BGL
Benzo(b)fluoranthene	ND	0.21	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 12:27	BGL
Benzo(g,h,i)perylene	ND	0.21	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 12:27	BGL
Benzo(k)fluoranthene	ND	0.21	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 12:27	BGL
Chrysene	ND	0.21	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 12:27	BGL
Dibenz(a,h)anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 12:27	BGL
Fluoranthene	ND	0.21	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 12:27	BGL
Fluorene	ND	0.21	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 12:27	BGL
Indeno(1,2,3-cd)pyrene	ND	0.21	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 12:27	BGL
2-Methylnaphthalene	ND	0.21	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 12:27	BGL
Naphthalene	ND	0.21	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 12:27	BGL
Phenanthrene	ND	0.21	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 12:27	BGL
Pyrene	ND	0.21	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 12:27	BGL

Surrogates	% Recovery	Recovery Limits	Flag	
Nitrobenzene-d5	48.2	30-130		6/3/10 12:27
2-Fluorobiphenyl	58.2	30-130		6/3/10 12:27
Terphenyl-d14	61.3	30-130		6/3/10 12:27

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0574

Date Received: 5/25/2010
Field Sample #: Bottom-23
Sampled: 5/24/2010 13:10
Sample ID: 10E0574-13
Sample Matrix: Soil

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [2]	ND	0.025	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 16:33	JB
Aldrin [1]	ND	0.0062	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 16:33	JB
alpha-BHC [1]	ND	0.0062	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 16:33	JB
beta-BHC [1]	ND	0.0062	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 16:33	JB
delta-BHC [1]	ND	0.0062	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 16:33	JB
gamma-BHC (Lindane) [1]	ND	0.0037	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 16:33	JB
Chlordane [1]	ND	0.025	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 16:33	JB
4,4'-DDD [1]	ND	0.0099	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 16:33	JB
4,4'-DDE [2]	0.0051	0.0050	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 16:33	JB
4,4'-DDT [2]	ND	0.0099	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 16:33	JB
Dieldrin [1]	0.0065	0.0025	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 16:33	JB
Endosulfan I [1]	ND	0.0062	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 16:33	JB
Endosulfan II [1]	ND	0.0099	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 16:33	JB
Endosulfan sulfate [1]	ND	0.0099	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 16:33	JB
Endrin [1]	ND	0.0099	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 16:33	JB
Endrin aldehyde [1]	ND	0.0099	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 20:23	JB
Endrin ketone [1]	ND	0.0099	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 16:33	JB
Heptachlor [1]	ND	0.0062	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 16:33	JB
Heptachlor epoxide [1]	ND	0.0062	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 16:33	JB
Hexachlorobenzene [1]	ND	0.0062	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 16:33	JB
Methoxychlor [1]	ND	0.062	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 16:33	JB
Toxaphene [1]	ND	0.12	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 16:33	JB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	89.2	30-150		5/28/10 16:33
Decachlorobiphenyl [2]	101	30-150		5/28/10 16:33
Tetrachloro-m-xylene [1]	84.8	30-150		5/28/10 16:33
Tetrachloro-m-xylene [2]	91.1	30-150		5/28/10 16:33

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0574

Date Received: 5/25/2010

Field Sample #: Bottom-23
Sampled: 5/24/2010 13:10

Sample ID: 10E0574-13

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	220	120	mg/Kg dry	5		CTDEP ETPH	5/28/10	6/2/10 17:07	CJM

Surrogates	% Recovery	Recovery Limits	Flag				
o-Terphenyl	82.5	50-150				6/2/10 17:07	

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Project Location: Portland Chemical | Sample Description: | Work Order: 10E0574

Date Received: 5/25/2010

Field Sample #: Bottom-23 | Sampled: 5/24/2010 13:10

Sample ID: 10E0574-13

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	6.5	3.0	mg/Kg dry	1	R-04	SW-846 6010B	5/27/10	5/28/10 14:23	OP
Barium	120	3.0	mg/Kg dry	1		SW-846 6010B	5/27/10	5/28/10 14:23	OP
Cadmium	1.0	0.30	mg/Kg dry	1		SW-846 6010B	5/27/10	5/28/10 14:23	OP
Chromium	34	0.60	mg/Kg dry	1		SW-846 6010B	5/27/10	5/28/10 14:23	OP
Lead	19	0.89	mg/Kg dry	1		SW-846 6010B	5/27/10	5/28/10 14:23	OP
Mercury	0.024	0.014	mg/Kg dry	1		SW-846 7471A	5/27/10	5/28/10 11:09	MPF
Selenium	ND	6.0	mg/Kg dry	1		SW-846 6010B	5/27/10	5/28/10 14:23	OP
Silver	ND	0.60	mg/Kg dry	1		SW-846 6010B	5/27/10	5/28/10 14:23	OP

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0574

Date Received: 5/25/2010
Field Sample #: Bottom-23
Sampled: 5/24/2010 13:10

Sample ID: 10E0574-13
Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	80.6		% Wt	1		SM 2540G	5/28/10	5/31/10 16:13	NH

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0574

Date Received: 5/25/2010
Field Sample #: Bottom-24
Sampled: 5/24/2010 13:15
Sample ID: 10E0574-14
Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.097	mg/Kg dry	1	V-16	SW-846 8260B	5/26/10	5/26/10 21:53	MFF
Acrylonitrile	ND	0.0058	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:53	MFF
Benzene	ND	0.0019	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:53	MFF
Bromobenzene	ND	0.0019	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:53	MFF
Bromodichloromethane	ND	0.0019	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:53	MFF
Bromoform	ND	0.0019	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:53	MFF
Bromomethane	ND	0.0097	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:53	MFF
2-Butanone (MEK)	ND	0.039	mg/Kg dry	1	V-16	SW-846 8260B	5/26/10	5/26/10 21:53	MFF
n-Butylbenzene	ND	0.0019	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:53	MFF
sec-Butylbenzene	ND	0.0019	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:53	MFF
tert-Butylbenzene	ND	0.0019	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:53	MFF
Carbon Disulfide	ND	0.0058	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:53	MFF
Carbon Tetrachloride	ND	0.0019	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:53	MFF
Chlorobenzene	ND	0.0019	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:53	MFF
Chlorodibromomethane	ND	0.00097	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:53	MFF
Chloroethane	ND	0.019	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:53	MFF
Chloroform	ND	0.0039	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:53	MFF
Chloromethane	ND	0.0097	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:53	MFF
2-Chlorotoluene	ND	0.0019	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:53	MFF
4-Chlorotoluene	ND	0.0019	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:53	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0019	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:53	MFF
1,2-Dibromoethane (EDB)	ND	0.00097	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:53	MFF
Dibromomethane	ND	0.0019	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:53	MFF
1,2-Dichlorobenzene	ND	0.0019	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:53	MFF
1,3-Dichlorobenzene	ND	0.0019	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:53	MFF
1,4-Dichlorobenzene	ND	0.0019	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:53	MFF
trans-1,4-Dichloro-2-butene	ND	0.0039	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:53	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.019	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:53	MFF
1,1-Dichloroethane	ND	0.0019	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:53	MFF
1,2-Dichloroethane	ND	0.0019	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:53	MFF
1,1-Dichloroethylene	ND	0.0039	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:53	MFF
cis-1,2-Dichloroethylene	0.0059	0.0019	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:53	MFF
trans-1,2-Dichloroethylene	ND	0.0019	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:53	MFF
1,2-Dichloropropane	ND	0.0019	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:53	MFF
1,3-Dichloropropane	ND	0.00097	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:53	MFF
2,2-Dichloropropane	ND	0.0019	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:53	MFF
1,1-Dichloropropene	ND	0.0019	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:53	MFF
cis-1,3-Dichloropropene	ND	0.00097	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:53	MFF
trans-1,3-Dichloropropene	ND	0.0019	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:53	MFF
Ethylbenzene	ND	0.0019	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:53	MFF
Hexachlorobutadiene	ND	0.0019	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:53	MFF
2-Hexanone (MBK)	ND	0.019	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:53	MFF
Isopropylbenzene (Cumene)	ND	0.0019	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:53	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0019	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:53	MFF

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0574

Date Received: 5/25/2010
Field Sample #: Bottom-24
Sampled: 5/24/2010 13:15
Sample ID: 10E0574-14
Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0039	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:53	MFF
Methylene Chloride	ND	0.019	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:53	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.019	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:53	MFF
Naphthalene	ND	0.0039	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:53	MFF
n-Propylbenzene	ND	0.0019	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:53	MFF
Styrene	ND	0.0019	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:53	MFF
1,1,1,2-Tetrachloroethane	ND	0.0019	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:53	MFF
1,1,2,2-Tetrachloroethane	ND	0.00097	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:53	MFF
Tetrachloroethylene	ND	0.0019	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:53	MFF
Tetrahydrofuran	ND	0.0097	mg/Kg dry	1	V-16	SW-846 8260B	5/26/10	5/26/10 21:53	MFF
Toluene	ND	0.0019	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:53	MFF
1,2,3-Trichlorobenzene	ND	0.0019	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:53	MFF
1,2,4-Trichlorobenzene	ND	0.0019	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:53	MFF
1,1,1-Trichloroethane	ND	0.0019	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:53	MFF
1,1,2-Trichloroethane	ND	0.0019	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:53	MFF
Trichloroethylene	ND	0.0019	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:53	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0097	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:53	MFF
1,2,3-Trichloropropane	ND	0.0019	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:53	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0097	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:53	MFF
1,2,4-Trimethylbenzene	ND	0.0019	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:53	MFF
1,3,5-Trimethylbenzene	ND	0.0019	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:53	MFF
Vinyl Chloride	ND	0.0097	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:53	MFF
m+p Xylene	ND	0.0039	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:53	MFF
o-Xylene	ND	0.0019	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 21:53	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	109	70-130		5/26/10 21:53
Toluene-d8	103	70-130		5/26/10 21:53
4-Bromofluorobenzene	100	70-130		5/26/10 21:53

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0574

Date Received: 5/25/2010

Field Sample #: Bottom-24
Sampled: 5/24/2010 13:15

Sample ID: 10E0574-14

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	21	11	mg/Kg dry	1		CTDEP ETPH	5/28/10	6/2/10 17:26	CJM

Surrogates	% Recovery	Recovery Limits	Flag		
o-Terphenyl	66.5	50-150			6/2/10 17:26

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0574

Date Received: 5/25/2010

Field Sample #: Bottom-24
Sampled: 5/24/2010 13:15

Sample ID: 10E0574-14

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	3.7	2.6	mg/Kg dry	1		SW-846 6010B	5/27/10	5/28/10 15:04	OP
Barium	65	2.6	mg/Kg dry	1		SW-846 6010B	5/27/10	5/28/10 15:04	OP
Cadmium	0.37	0.26	mg/Kg dry	1		SW-846 6010B	5/27/10	5/28/10 15:04	OP
Chromium	13	0.53	mg/Kg dry	1		SW-846 6010B	5/27/10	5/28/10 15:04	OP
Lead	6.3	0.79	mg/Kg dry	1		SW-846 6010B	5/27/10	5/28/10 15:04	OP
Mercury	0.019	0.015	mg/Kg dry	1		SW-846 7471A	5/27/10	5/28/10 11:11	MPF
Selenium	ND	5.3	mg/Kg dry	1		SW-846 6010B	5/27/10	5/28/10 15:04	OP
Silver	ND	0.53	mg/Kg dry	1		SW-846 6010B	5/27/10	5/28/10 15:04	OP

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0574

Date Received: 5/25/2010
Field Sample #: Bottom-24
Sampled: 5/24/2010 13:15
Sample ID: 10E0574-14
Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.8		% Wt	1		SM 2540G	5/28/10	5/31/10 16:13	NH

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0574

Date Received: 5/25/2010

Field Sample #: Bottom-25
Sampled: 5/24/2010 13:23

Sample ID: 10E0574-15

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.11	mg/Kg dry	1	V-16	SW-846 8260B	5/26/10	5/26/10 22:19	MFF
Acrylonitrile	ND	0.0063	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:19	MFF
Benzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:19	MFF
Bromobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:19	MFF
Bromodichloromethane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:19	MFF
Bromoform	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:19	MFF
Bromomethane	ND	0.011	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:19	MFF
2-Butanone (MEK)	ND	0.042	mg/Kg dry	1	V-16	SW-846 8260B	5/26/10	5/26/10 22:19	MFF
n-Butylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:19	MFF
sec-Butylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:19	MFF
tert-Butylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:19	MFF
Carbon Disulfide	ND	0.0063	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:19	MFF
Carbon Tetrachloride	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:19	MFF
Chlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:19	MFF
Chlorodibromomethane	ND	0.0011	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:19	MFF
Chloroethane	ND	0.021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:19	MFF
Chloroform	ND	0.0042	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:19	MFF
Chloromethane	ND	0.011	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:19	MFF
2-Chlorotoluene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:19	MFF
4-Chlorotoluene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:19	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:19	MFF
1,2-Dibromoethane (EDB)	ND	0.0011	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:19	MFF
Dibromomethane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:19	MFF
1,2-Dichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:19	MFF
1,3-Dichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:19	MFF
1,4-Dichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:19	MFF
trans-1,4-Dichloro-2-butene	ND	0.0042	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:19	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:19	MFF
1,1-Dichloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:19	MFF
1,2-Dichloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:19	MFF
1,1-Dichloroethylene	ND	0.0042	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:19	MFF
cis-1,2-Dichloroethylene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:19	MFF
trans-1,2-Dichloroethylene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:19	MFF
1,2-Dichloropropane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:19	MFF
1,3-Dichloropropane	ND	0.0011	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:19	MFF
2,2-Dichloropropane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:19	MFF
1,1-Dichloropropene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:19	MFF
cis-1,3-Dichloropropene	ND	0.0011	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:19	MFF
trans-1,3-Dichloropropene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:19	MFF
Ethylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:19	MFF
Hexachlorobutadiene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:19	MFF
2-Hexanone (MBK)	ND	0.021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:19	MFF
Isopropylbenzene (Cumene)	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:19	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:19	MFF

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Portland Chemical | Sample Description: | Work Order: 10E0574

Date Received: 5/25/2010

Field Sample #: Bottom-25 | Sampled: 5/24/2010 13:23

Sample ID: 10E0574-15

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0042	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:19	MFF
Methylene Chloride	ND	0.021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:19	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:19	MFF
Naphthalene	ND	0.0042	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:19	MFF
n-Propylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:19	MFF
Styrene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:19	MFF
1,1,1,2-Tetrachloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:19	MFF
1,1,2,2-Tetrachloroethane	ND	0.0011	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:19	MFF
Tetrachloroethylene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:19	MFF
Tetrahydrofuran	ND	0.011	mg/Kg dry	1	V-16	SW-846 8260B	5/26/10	5/26/10 22:19	MFF
Toluene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:19	MFF
1,2,3-Trichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:19	MFF
1,2,4-Trichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:19	MFF
1,1,1-Trichloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:19	MFF
1,1,2-Trichloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:19	MFF
Trichloroethylene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:19	MFF
Trichlorofluoromethane (Freon 11)	ND	0.011	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:19	MFF
1,2,3-Trichloropropane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:19	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.011	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:19	MFF
1,2,4-Trimethylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:19	MFF
1,3,5-Trimethylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:19	MFF
Vinyl Chloride	ND	0.011	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:19	MFF
m+p Xylene	ND	0.0042	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:19	MFF
o-Xylene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:19	MFF

Surrogates	% Recovery	Recovery Limits	Flag		
1,2-Dichloroethane-d4	112	70-130		5/26/10 22:19	
Toluene-d8	102	70-130		5/26/10 22:19	
4-Bromofluorobenzene	101	70-130		5/26/10 22:19	

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Project Location: Portland Chemical | Sample Description: | Work Order: 10E0574

Date Received: 5/25/2010

Field Sample #: Bottom-25 | Sampled: 5/24/2010 13:23

Sample ID: 10E0574-15

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.18	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 12:59	BGL
Acenaphthylene	ND	0.18	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 12:59	BGL
Anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 12:59	BGL
Benzo(a)anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 12:59	BGL
Benzo(a)pyrene	ND	0.18	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 12:59	BGL
Benzo(b)fluoranthene	ND	0.18	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 12:59	BGL
Benzo(g,h,i)perylene	ND	0.18	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 12:59	BGL
Benzo(k)fluoranthene	ND	0.18	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 12:59	BGL
Chrysene	ND	0.18	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 12:59	BGL
Dibenz(a,h)anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 12:59	BGL
Fluoranthene	ND	0.18	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 12:59	BGL
Fluorene	ND	0.18	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 12:59	BGL
Indeno(1,2,3-cd)pyrene	ND	0.18	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 12:59	BGL
2-Methylnaphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 12:59	BGL
Naphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 12:59	BGL
Phenanthrene	ND	0.18	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 12:59	BGL
Pyrene	ND	0.18	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 12:59	BGL

Surrogates	% Recovery	Recovery Limits	Flag	
Nitrobenzene-d5	56.1	30-130		6/3/10 12:59
2-Fluorobiphenyl	61.4	30-130		6/3/10 12:59
Terphenyl-d14	56.6	30-130		6/3/10 12:59

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0574

Date Received: 5/25/2010

Field Sample #: Bottom-25
Sampled: 5/24/2010 13:23

Sample ID: 10E0574-15

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	910	110	mg/Kg dry	5		CTDEP ETPH	5/28/10	6/2/10 17:45	CJM

Surrogates	% Recovery	Recovery Limits	Flag				
o-Terphenyl	72.8	50-150				6/2/10 17:45	

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0574

Date Received: 5/25/2010

Field Sample #: Bottom-25
Sampled: 5/24/2010 13:23

Sample ID: 10E0574-15

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	5.3	2.7	mg/Kg dry	1		SW-846 6010B	5/27/10	5/28/10 15:09	OP
Barium	81	2.7	mg/Kg dry	1		SW-846 6010B	5/27/10	5/28/10 15:08	OP
Cadmium	0.54	0.27	mg/Kg dry	1		SW-846 6010B	5/27/10	5/28/10 15:09	OP
Chromium	15	0.54	mg/Kg dry	1		SW-846 6010B	5/27/10	5/28/10 15:08	OP
Lead	7.8	0.80	mg/Kg dry	1		SW-846 6010B	5/27/10	5/28/10 15:09	OP
Mercury	ND	0.025	mg/Kg dry	1		SW-846 7471A	5/27/10	5/28/10 11:13	MPF
Selenium	ND	5.4	mg/Kg dry	1		SW-846 6010B	5/27/10	5/28/10 15:09	OP
Silver	ND	0.54	mg/Kg dry	1		SW-846 6010B	5/27/10	5/28/10 15:08	OP

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Project Location: Portland Chemical | Sample Description: | Work Order: 10E0574

Date Received: 5/25/2010

Field Sample #: Bottom-25 | Sampled: 5/24/2010 13:23

Sample ID: 10E0574-15

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.1		% Wt	1		SM 2540G	5/28/10	5/31/10 16:13	NH

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0574

Date Received: 5/25/2010

Field Sample #: Bottom-26
Sampled: 5/24/2010 13:40

Sample ID: 10E0574-16

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.092	mg/Kg dry	1	V-16	SW-846 8260B	5/26/10	5/26/10 22:45	MFF
Acrylonitrile	ND	0.0055	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:45	MFF
Benzene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:45	MFF
Bromobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:45	MFF
Bromodichloromethane	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:45	MFF
Bromoform	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:45	MFF
Bromomethane	ND	0.0092	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:45	MFF
2-Butanone (MEK)	ND	0.037	mg/Kg dry	1	V-16	SW-846 8260B	5/26/10	5/26/10 22:45	MFF
n-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:45	MFF
sec-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:45	MFF
tert-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:45	MFF
Carbon Disulfide	ND	0.0055	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:45	MFF
Carbon Tetrachloride	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:45	MFF
Chlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:45	MFF
Chlorodibromomethane	ND	0.00092	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:45	MFF
Chloroethane	ND	0.018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:45	MFF
Chloroform	ND	0.0037	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:45	MFF
Chloromethane	ND	0.0092	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:45	MFF
2-Chlorotoluene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:45	MFF
4-Chlorotoluene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:45	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:45	MFF
1,2-Dibromoethane (EDB)	ND	0.00092	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:45	MFF
Dibromomethane	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:45	MFF
1,2-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:45	MFF
1,3-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:45	MFF
1,4-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:45	MFF
trans-1,4-Dichloro-2-butene	ND	0.0037	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:45	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:45	MFF
1,1-Dichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:45	MFF
1,2-Dichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:45	MFF
1,1-Dichloroethylene	ND	0.0037	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:45	MFF
cis-1,2-Dichloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:45	MFF
trans-1,2-Dichloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:45	MFF
1,2-Dichloropropane	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:45	MFF
1,3-Dichloropropane	ND	0.00092	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:45	MFF
2,2-Dichloropropane	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:45	MFF
1,1-Dichloropropene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:45	MFF
cis-1,3-Dichloropropene	ND	0.00092	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:45	MFF
trans-1,3-Dichloropropene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:45	MFF
Ethylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:45	MFF
Hexachlorobutadiene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:45	MFF
2-Hexanone (MBK)	ND	0.018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:45	MFF
Isopropylbenzene (Cumene)	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:45	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0018	mg/Kg dry	1		SW-846 8260B	5/26/10	5/26/10 22:45	MFF

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0574

Date Received: 5/25/2010
Field Sample #: Bottom-29
Sampled: 5/24/2010 14:15

Sample ID: 10E0574-19
Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0056	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:26	MFF
Methylene Chloride	ND	0.028	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:26	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.028	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:26	MFF
Naphthalene	ND	0.0056	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:26	MFF
n-Propylbenzene	ND	0.0028	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:26	MFF
Styrene	ND	0.0028	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:26	MFF
1,1,1,2-Tetrachloroethane	ND	0.0028	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:26	MFF
1,1,2,2-Tetrachloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:26	MFF
Tetrachloroethylene	ND	0.0028	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:26	MFF
Tetrahydrofuran	ND	0.014	mg/Kg dry	1	V-16	SW-846 8260B	5/26/10	5/27/10 8:26	MFF
Toluene	ND	0.0028	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:26	MFF
1,2,3-Trichlorobenzene	ND	0.0028	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:26	MFF
1,2,4-Trichlorobenzene	ND	0.0028	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:26	MFF
1,1,1-Trichloroethane	ND	0.0028	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:26	MFF
1,1,2-Trichloroethane	ND	0.0028	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:26	MFF
Trichloroethylene	ND	0.0028	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:26	MFF
Trichlorofluoromethane (Freon 11)	ND	0.014	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:26	MFF
1,2,3-Trichloropropane	ND	0.0028	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:26	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.014	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:26	MFF
1,2,4-Trimethylbenzene	ND	0.0028	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:26	MFF
1,3,5-Trimethylbenzene	ND	0.0028	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:26	MFF
Vinyl Chloride	ND	0.014	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:26	MFF
m+p Xylene	ND	0.0056	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:26	MFF
o-Xylene	ND	0.0028	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 8:26	MFF

Surrogates	% Recovery	Recovery Limits	Flag		
1,2-Dichloroethane-d4	99.1	70-130		5/27/10	8:26
Toluene-d8	102	70-130		5/27/10	8:26
4-Bromofluorobenzene	97.9	70-130		5/27/10	8:26

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Portland Chemical | Sample Description: | Work Order: 10E0574

Date Received: 5/25/2010

Field Sample #: Bottom-29 | Sampled: 5/24/2010 14:15

Sample ID: 10E0574-19

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.25	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 14:03	BGL
Acenaphthylene	ND	0.25	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 14:03	BGL
Anthracene	ND	0.25	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 14:03	BGL
Benzo(a)anthracene	ND	0.25	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 14:03	BGL
Benzo(a)pyrene	ND	0.25	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 14:03	BGL
Benzo(b)fluoranthene	ND	0.25	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 14:03	BGL
Benzo(g,h,i)perylene	ND	0.25	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 14:03	BGL
Benzo(k)fluoranthene	ND	0.25	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 14:03	BGL
Chrysene	ND	0.25	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 14:03	BGL
Dibenz(a,h)anthracene	ND	0.25	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 14:03	BGL
Fluoranthene	ND	0.25	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 14:03	BGL
Fluorene	ND	0.25	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 14:03	BGL
Indeno(1,2,3-cd)pyrene	ND	0.25	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 14:03	BGL
2-Methylnaphthalene	ND	0.25	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 14:03	BGL
Naphthalene	ND	0.25	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 14:03	BGL
Phenanthrene	ND	0.25	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 14:03	BGL
Pyrene	ND	0.25	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 14:03	BGL

Surrogates	% Recovery	Recovery Limits	Flag	
Nitrobenzene-d5	45.1	30-130		6/3/10 14:03
2-Fluorobiphenyl	52.9	30-130		6/3/10 14:03
Terphenyl-d14	58.9	30-130		6/3/10 14:03

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Project Location: Portland Chemical | Sample Description: | Work Order: 10E0574

Date Received: 5/25/2010

Field Sample #: Bottom-29 | Sampled: 5/24/2010 14:15

Sample ID: 10E0574-19

Sample Matrix: Soil

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [2]	ND	0.029	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 17:01	JB
Aldrin [1]	ND	0.0073	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 17:01	JB
alpha-BHC [1]	ND	0.0073	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 17:01	JB
beta-BHC [1]	ND	0.0073	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 17:01	JB
delta-BHC [1]	ND	0.0073	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 17:01	JB
gamma-BHC (Lindane) [1]	ND	0.0044	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 17:01	JB
Chlordane [1]	ND	0.029	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 17:01	JB
4,4'-DDD [1]	ND	0.012	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 17:01	JB
4,4'-DDE [1]	ND	0.0058	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 17:01	JB
4,4'-DDT [1]	ND	0.012	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 17:01	JB
Dieldrin [1]	ND	0.0029	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 17:01	JB
Endosulfan I [1]	ND	0.0073	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 17:01	JB
Endosulfan II [1]	ND	0.012	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 17:01	JB
Endosulfan sulfate [1]	ND	0.012	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 17:01	JB
Endrin [1]	ND	0.012	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 17:01	JB
Endrin aldehyde [1]	ND	0.012	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 20:52	JB
Endrin ketone [1]	ND	0.012	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 17:01	JB
Heptachlor [1]	ND	0.0073	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 17:01	JB
Heptachlor epoxide [1]	ND	0.0073	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 17:01	JB
Hexachlorobenzene [1]	ND	0.0073	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 17:01	JB
Methoxychlor [1]	ND	0.073	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 17:01	JB
Toxaphene [1]	ND	0.15	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 17:01	JB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	74.5	30-150		5/28/10 17:01
Decachlorobiphenyl [2]	81.2	30-150		5/28/10 17:01
Tetrachloro-m-xylene [1]	76.8	30-150		5/28/10 17:01
Tetrachloro-m-xylene [2]	80.1	30-150		5/28/10 17:01

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Project Location: Portland Chemical
Date Received: 5/25/2010
Field Sample #: Bottom-29
Sample ID: 10E0574-19
Sample Matrix: Soil

Sample Description:
Sampled: 5/24/2010 14:15

Work Order: 10E0574

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	28	15	mg/Kg dry	1		CTDEP ETPH	5/28/10	6/2/10 19:01	CJM

Surrogates	% Recovery	Recovery Limits	Flag	
o-Terphenyl	64.9	50-150		6/2/10 19:01

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Field Sample #: Bottom-29
Sampled: 5/24/2010 14:15
Sample ID: 10E0574-19
Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	11	3.4	mg/Kg dry	1		SW-846 6010B	5/27/10	5/28/10 15:20	OP
Barium	190	3.4	mg/Kg dry	1		SW-846 6010B	5/27/10	5/28/10 15:20	OP
Cadmium	0.39	0.34	mg/Kg dry	1		SW-846 6010B	5/27/10	5/28/10 15:20	OP
Chromium	82	0.68	mg/Kg dry	1		SW-846 6010B	5/27/10	5/28/10 15:20	OP
Lead	13	1.0	mg/Kg dry	1		SW-846 6010B	5/27/10	5/28/10 15:20	OP
Mercury	ND	0.017	mg/Kg dry	1		SW-846 7471A	5/27/10	5/28/10 11:22	MPF
Selenium	ND	6.8	mg/Kg dry	1		SW-846 6010B	5/27/10	5/28/10 15:20	OP
Silver	ND	0.68	mg/Kg dry	1		SW-846 6010B	5/27/10	5/28/10 15:20	OP

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0574

Date Received: 5/25/2010
Field Sample #: Bottom-29
Sampled: 5/24/2010 14:15

Sample ID: 10E0574-19
Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	68.1		% Wt	1		SM 2540G	5/28/10	5/31/10 16:13	NH

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0574

Date Received: 5/25/2010
Field Sample #: Bottom-30
Sampled: 5/24/2010 14:30

Sample ID: 10E0574-20
Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.12	mg/Kg dry	1	V-16	SW-846 8260B	5/26/10	5/27/10 7:33	MFF
Acrylonitrile	ND	0.0073	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:33	MFF
Benzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:33	MFF
Bromobenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:33	MFF
Bromodichloromethane	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:33	MFF
Bromoform	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:33	MFF
Bromomethane	ND	0.012	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:33	MFF
2-Butanone (MEK)	ND	0.049	mg/Kg dry	1	V-16	SW-846 8260B	5/26/10	5/27/10 7:33	MFF
n-Butylbenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:33	MFF
sec-Butylbenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:33	MFF
tert-Butylbenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:33	MFF
Carbon Disulfide	ND	0.0073	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:33	MFF
Carbon Tetrachloride	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:33	MFF
Chlorobenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:33	MFF
Chlorodibromomethane	ND	0.0012	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:33	MFF
Chloroethane	ND	0.024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:33	MFF
Chloroform	ND	0.0049	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:33	MFF
Chloromethane	ND	0.012	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:33	MFF
2-Chlorotoluene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:33	MFF
4-Chlorotoluene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:33	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:33	MFF
1,2-Dibromoethane (EDB)	ND	0.0012	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:33	MFF
Dibromomethane	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:33	MFF
1,2-Dichlorobenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:33	MFF
1,3-Dichlorobenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:33	MFF
1,4-Dichlorobenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:33	MFF
trans-1,4-Dichloro-2-butene	ND	0.0049	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:33	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:33	MFF
1,1-Dichloroethane	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:33	MFF
1,2-Dichloroethane	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:33	MFF
1,1-Dichloroethylene	ND	0.0049	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:33	MFF
cis-1,2-Dichloroethylene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:33	MFF
trans-1,2-Dichloroethylene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:33	MFF
1,2-Dichloropropane	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:33	MFF
1,3-Dichloropropane	ND	0.0012	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:33	MFF
2,2-Dichloropropane	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:33	MFF
1,1-Dichloropropene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:33	MFF
cis-1,3-Dichloropropene	ND	0.0012	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:33	MFF
trans-1,3-Dichloropropene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:33	MFF
Ethylbenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:33	MFF
Hexachlorobutadiene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:33	MFF
2-Hexanone (MBK)	ND	0.024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:33	MFF
Isopropylbenzene (Cumene)	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:33	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:33	MFF

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0574

Date Received: 5/25/2010
Field Sample #: Bottom-30
Sampled: 5/24/2010 14:30
Sample ID: 10E0574-20
Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0049	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:33	MFF
Methylene Chloride	ND	0.024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:33	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:33	MFF
Naphthalene	ND	0.0049	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:33	MFF
n-Propylbenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:33	MFF
Styrene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:33	MFF
1,1,1,2-Tetrachloroethane	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:33	MFF
1,1,2,2-Tetrachloroethane	ND	0.0012	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:33	MFF
Tetrachloroethylene	0.0048	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:33	MFF
Tetrahydrofuran	ND	0.012	mg/Kg dry	1	V-16	SW-846 8260B	5/26/10	5/27/10 7:33	MFF
Toluene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:33	MFF
1,2,3-Trichlorobenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:33	MFF
1,2,4-Trichlorobenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:33	MFF
1,1,1-Trichloroethane	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:33	MFF
1,1,2-Trichloroethane	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:33	MFF
Trichloroethylene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:33	MFF
Trichlorofluoromethane (Freon 11)	ND	0.012	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:33	MFF
1,2,3-Trichloropropane	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:33	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.012	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:33	MFF
1,2,4-Trimethylbenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:33	MFF
1,3,5-Trimethylbenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:33	MFF
Vinyl Chloride	ND	0.012	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:33	MFF
m+p Xylene	ND	0.0049	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:33	MFF
o-Xylene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:33	MFF

Surrogates	% Recovery	Recovery Limits	Flag		
1,2-Dichloroethane-d4	107	70-130		5/27/10	7:33
Toluene-d8	101	70-130		5/27/10	7:33
4-Bromofluorobenzene	99.1	70-130		5/27/10	7:33

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0574

Date Received: 5/25/2010
Field Sample #: Bottom-30
Sampled: 5/24/2010 14:30
Sample ID: 10E0574-20
Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	180	130	mg/Kg dry	5		CTDEP ETPH	5/28/10	6/2/10 19:20	CJM
Surrogates		**% Recovery**	**Recovery Limits**		**Flag**				
o-Terphenyl		65.8	50-150					6/2/10 19:20	

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Project Location: Portland Chemical
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Date Received: 5/25/2010
Field Sample #: Bottom-30
Sampled: 5/24/2010 14:30
Sample ID: 10E0574-20
Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	78.6		% Wt	1		SM 2540G	5/28/10	5/31/10 16:13	NH

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

Project Location: Portland Chemical | Sample Description: | Work Order: 10E0574

Date Received: 5/25/2010

Field Sample #: Bottom-31 | Sampled: 5/24/2010 14:43

Sample ID: 10E0574-21

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.11	mg/Kg dry	1	V-16	SW-846 8260B	5/26/10	5/27/10 7:59	MFF
Acrylonitrile	ND	0.0065	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:59	MFF
Benzene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:59	MFF
Bromobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:59	MFF
Bromodichloromethane	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:59	MFF
Bromoform	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:59	MFF
Bromomethane	ND	0.011	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:59	MFF
2-Butanone (MEK)	ND	0.044	mg/Kg dry	1	V-16	SW-846 8260B	5/26/10	5/27/10 7:59	MFF
n-Butylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:59	MFF
sec-Butylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:59	MFF
tert-Butylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:59	MFF
Carbon Disulfide	ND	0.0065	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:59	MFF
Carbon Tetrachloride	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:59	MFF
Chlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:59	MFF
Chlorodibromomethane	ND	0.0011	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:59	MFF
Chloroethane	ND	0.022	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:59	MFF
Chloroform	ND	0.0044	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:59	MFF
Chloromethane	ND	0.011	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:59	MFF
2-Chlorotoluene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:59	MFF
4-Chlorotoluene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:59	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:59	MFF
1,2-Dibromoethane (EDB)	ND	0.0011	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:59	MFF
Dibromomethane	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:59	MFF
1,2-Dichlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:59	MFF
1,3-Dichlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:59	MFF
1,4-Dichlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:59	MFF
trans-1,4-Dichloro-2-butene	ND	0.0044	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:59	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.022	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:59	MFF
1,1-Dichloroethane	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:59	MFF
1,2-Dichloroethane	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:59	MFF
1,1-Dichloroethylene	ND	0.0044	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:59	MFF
cis-1,2-Dichloroethylene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:59	MFF
trans-1,2-Dichloroethylene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:59	MFF
1,2-Dichloropropane	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:59	MFF
1,3-Dichloropropane	ND	0.0011	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:59	MFF
2,2-Dichloropropane	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:59	MFF
1,1-Dichloropropene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:59	MFF
cis-1,3-Dichloropropene	ND	0.0011	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:59	MFF
trans-1,3-Dichloropropene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:59	MFF
Ethylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:59	MFF
Hexachlorobutadiene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:59	MFF
2-Hexanone (MBK)	ND	0.022	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:59	MFF
Isopropylbenzene (Cumene)	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:59	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:59	MFF

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

Project Location: Portland Chemical
Sample Description:
Work Order: 10E0574

Date Received: 5/25/2010
Field Sample #: Bottom-31
Sampled: 5/24/2010 14:43
Sample ID: 10E0574-21
Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0044	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:59	MFF
Methylene Chloride	ND	0.022	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:59	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.022	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:59	MFF
Naphthalene	ND	0.0044	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:59	MFF
n-Propylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:59	MFF
Styrene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:59	MFF
1,1,1,2-Tetrachloroethane	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:59	MFF
1,1,2,2-Tetrachloroethane	ND	0.0011	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:59	MFF
Tetrachloroethylene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:59	MFF
Tetrahydrofuran	ND	0.011	mg/Kg dry	1	V-16	SW-846 8260B	5/26/10	5/27/10 7:59	MFF
Toluene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:59	MFF
1,2,3-Trichlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:59	MFF
1,2,4-Trichlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:59	MFF
1,1,1-Trichloroethane	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:59	MFF
1,1,2-Trichloroethane	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:59	MFF
Trichloroethylene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:59	MFF
Trichlorofluoromethane (Freon 11)	ND	0.011	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:59	MFF
1,2,3-Trichloropropane	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:59	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.011	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:59	MFF
1,2,4-Trimethylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:59	MFF
1,3,5-Trimethylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:59	MFF
Vinyl Chloride	ND	0.011	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:59	MFF
m+p Xylene	ND	0.0044	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:59	MFF
o-Xylene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 7:59	MFF

Surrogates	% Recovery	Recovery Limits	Flag		
1,2-Dichloroethane-d4	107	70-130		5/27/10	7:59
Toluene-d8	102	70-130		5/27/10	7:59
4-Bromofluorobenzene	100	70-130		5/27/10	7:59

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0574

Date Received: 5/25/2010
Field Sample #: Bottom-31
Sampled: 5/24/2010 14:43
Sample ID: 10E0574-21
Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.22	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 14:35	BGL
Acenaphthylene	ND	0.22	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 14:35	BGL
Anthracene	ND	0.22	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 14:35	BGL
Benzo(a)anthracene	ND	0.22	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 14:35	BGL
Benzo(a)pyrene	ND	0.22	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 14:35	BGL
Benzo(b)fluoranthene	ND	0.22	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 14:35	BGL
Benzo(g,h,i)perylene	ND	0.22	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 14:35	BGL
Benzo(k)fluoranthene	ND	0.22	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 14:35	BGL
Chrysene	ND	0.22	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 14:35	BGL
Dibenz(a,h)anthracene	ND	0.22	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 14:35	BGL
Fluoranthene	ND	0.22	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 14:35	BGL
Fluorene	ND	0.22	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 14:35	BGL
Indeno(1,2,3-cd)pyrene	ND	0.22	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 14:35	BGL
2-Methylnaphthalene	ND	0.22	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 14:35	BGL
Naphthalene	ND	0.22	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 14:35	BGL
Phenanthrene	ND	0.22	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 14:35	BGL
Pyrene	ND	0.22	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 14:35	BGL

Surrogates	% Recovery	Recovery Limits	Flag	
Nitrobenzene-d5	56.9	30-130		6/3/10 14:35
2-Fluorobiphenyl	64.3	30-130		6/3/10 14:35
Terphenyl-d14	72.6	30-130		6/3/10 14:35

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0574

Date Received: 5/25/2010
Field Sample #: Bottom-31
Sampled: 5/24/2010 14:43
Sample ID: 10E0574-21
Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	22	13	mg/Kg dry	1		CTDEP ETPH	5/28/10	6/2/10 22:29	CJM

Surrogates	% Recovery	Recovery Limits	Flag	
o-Terphenyl	72.7	50-150		6/2/10 22:29

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0574

Date Received: 5/25/2010

Field Sample #: Bottom-31
Sampled: 5/24/2010 14:43

Sample ID: 10E0574-21

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	5.4	3.0	mg/Kg dry	1		SW-846 6010B	5/27/10	5/28/10 15:23	OP
Barium	200	3.0	mg/Kg dry	1		SW-846 6010B	5/27/10	5/28/10 15:23	OP
Cadmium	0.30	0.30	mg/Kg dry	1		SW-846 6010B	5/27/10	5/28/10 15:23	OP
Chromium	38	0.60	mg/Kg dry	1		SW-846 6010B	5/27/10	5/28/10 15:23	OP
Lead	14	0.90	mg/Kg dry	1		SW-846 6010B	5/27/10	5/28/10 15:23	OP
Mercury	0.016	0.013	mg/Kg dry	1		SW-846 7471A	5/27/10	5/28/10 11:23	MPF
Selenium	ND	6.0	mg/Kg dry	1		SW-846 6010B	5/27/10	5/28/10 15:23	OP
Silver	ND	0.60	mg/Kg dry	1		SW-846 6010B	5/27/10	5/28/10 15:23	OP

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0574

Date Received: 5/25/2010
Field Sample #: Bottom-31
Sampled: 5/24/2010 14:43

Sample ID: 10E0574-21
Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	78.4		% Wt	1		SM 2540G	5/28/10	5/31/10 16:13	NH

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0574

Date Received: 5/25/2010

Field Sample #: Bottom-32
Sampled: 5/24/2010 14:48

Sample ID: 10E0574-22

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.11	mg/Kg dry	1	V-16	SW-846 8260B	5/26/10	5/27/10 11:05	MFF
Acrylonitrile	ND	0.0063	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:05	MFF
Benzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:05	MFF
Bromobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:05	MFF
Bromodichloromethane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:05	MFF
Bromoform	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:05	MFF
Bromomethane	ND	0.011	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:05	MFF
2-Butanone (MEK)	ND	0.042	mg/Kg dry	1	V-16	SW-846 8260B	5/26/10	5/27/10 11:05	MFF
n-Butylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:05	MFF
sec-Butylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:05	MFF
tert-Butylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:05	MFF
Carbon Disulfide	ND	0.0063	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:05	MFF
Carbon Tetrachloride	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:05	MFF
Chlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:05	MFF
Chlorodibromomethane	ND	0.0011	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:05	MFF
Chloroethane	ND	0.021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:05	MFF
Chloroform	ND	0.0042	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:05	MFF
Chloromethane	ND	0.011	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:05	MFF
2-Chlorotoluene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:05	MFF
4-Chlorotoluene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:05	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:05	MFF
1,2-Dibromoethane (EDB)	ND	0.0011	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:05	MFF
Dibromomethane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:05	MFF
1,2-Dichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:05	MFF
1,3-Dichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:05	MFF
1,4-Dichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:05	MFF
trans-1,4-Dichloro-2-butene	ND	0.0042	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:05	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:05	MFF
1,1-Dichloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:05	MFF
1,2-Dichloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:05	MFF
1,1-Dichloroethylene	ND	0.0042	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:05	MFF
cis-1,2-Dichloroethylene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:05	MFF
trans-1,2-Dichloroethylene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:05	MFF
1,2-Dichloropropane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:05	MFF
1,3-Dichloropropane	ND	0.0011	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:05	MFF
2,2-Dichloropropane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:05	MFF
1,1-Dichloropropene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:05	MFF
cis-1,3-Dichloropropene	ND	0.0011	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:05	MFF
trans-1,3-Dichloropropene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:05	MFF
Ethylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:05	MFF
Hexachlorobutadiene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:05	MFF
2-Hexanone (MBK)	ND	0.021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:05	MFF
Isopropylbenzene (Cumene)	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:05	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:05	MFF

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Portland Chemical
Sample Description:
Work Order: 10E0574

Date Received: 5/25/2010
Field Sample #: Bottom-32
Sampled: 5/24/2010 14:48
Sample ID: 10E0574-22
Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0042	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:05	MFF
Methylene Chloride	ND	0.021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:05	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:05	MFF
Naphthalene	ND	0.0042	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:05	MFF
n-Propylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:05	MFF
Styrene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:05	MFF
1,1,1,2-Tetrachloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:05	MFF
1,1,2,2-Tetrachloroethane	ND	0.0011	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:05	MFF
Tetrachloroethylene	0.010	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:05	MFF
Tetrahydrofuran	ND	0.011	mg/Kg dry	1	V-16	SW-846 8260B	5/26/10	5/27/10 11:05	MFF
Toluene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:05	MFF
1,2,3-Trichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:05	MFF
1,2,4-Trichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:05	MFF
1,1,1-Trichloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:05	MFF
1,1,2-Trichloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:05	MFF
Trichloroethylene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:05	MFF
Trichlorofluoromethane (Freon 11)	ND	0.011	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:05	MFF
1,2,3-Trichloropropane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:05	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.011	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:05	MFF
1,2,4-Trimethylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:05	MFF
1,3,5-Trimethylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:05	MFF
Vinyl Chloride	ND	0.011	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:05	MFF
m+p Xylene	ND	0.0042	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:05	MFF
o-Xylene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:05	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	106	70-130		5/27/10 11:05
Toluene-d8	103	70-130		5/27/10 11:05
4-Bromofluorobenzene	100	70-130		5/27/10 11:05

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

Project Location: Portland Chemical
Sample Description:
Work Order: 10E0574

Date Received: 5/25/2010
Field Sample #: Bottom-32
Sampled: 5/24/2010 14:48
Sample ID: 10E0574-22
Sample Matrix: Soil

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [2]	ND	0.027	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 17:16	JB
Aldrin [1]	ND	0.0067	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 17:16	JB
alpha-BHC [1]	ND	0.0067	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 17:16	JB
beta-BHC [1]	ND	0.0067	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 17:16	JB
delta-BHC [1]	ND	0.0067	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 17:16	JB
gamma-BHC (Lindane) [1]	ND	0.0040	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 17:16	JB
Chlordane [1]	ND	0.027	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 17:16	JB
4,4'-DDD [1]	ND	0.011	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 17:16	JB
4,4'-DDE [1]	ND	0.0054	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 17:16	JB
4,4'-DDT [1]	ND	0.011	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 17:16	JB
Dieldrin [1]	ND	0.0027	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 17:16	JB
Endosulfan I [1]	ND	0.0067	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 17:16	JB
Endosulfan II [1]	ND	0.011	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 17:16	JB
Endosulfan sulfate [1]	ND	0.011	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 17:16	JB
Endrin [1]	ND	0.011	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 17:16	JB
Endrin aldehyde [1]	ND	0.011	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 21:06	JB
Endrin ketone [1]	ND	0.011	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 17:16	JB
Heptachlor [1]	ND	0.0067	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 17:16	JB
Heptachlor epoxide [1]	ND	0.0067	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 17:16	JB
Hexachlorobenzene [1]	ND	0.0067	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 17:16	JB
Methoxychlor [1]	ND	0.067	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 17:16	JB
Toxaphene [1]	ND	0.13	mg/Kg dry	1		SW-846 8081A	5/27/10	5/28/10 17:16	JB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	76.7	30-150		5/28/10 17:16
Decachlorobiphenyl [2]	83.0	30-150		5/28/10 17:16
Tetrachloro-m-xylene [1]	79.6	30-150		5/28/10 17:16
Tetrachloro-m-xylene [2]	83.7	30-150		5/28/10 17:16

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0574

Date Received: 5/25/2010
Field Sample #: Bottom-32
Sampled: 5/24/2010 14:48

Sample ID: 10E0574-22
Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	13	mg/Kg dry	1		CTDEP ETPH	5/28/10	6/2/10 22:47	CJM

Surrogates	% Recovery	Recovery Limits	Flag	
o-Terphenyl	67.1	50-150		6/2/10 22:47

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0574

Date Received: 5/25/2010

Field Sample #: Bottom-32
Sampled: 5/24/2010 14:48

Sample ID: 10E0574-22

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	74.7		% Wt	1		SM 2540G	5/28/10	5/31/10 16:13	NH

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0574

Date Received: 5/25/2010
Field Sample #: Bottom-33
Sampled: 5/24/2010 15:05
Sample ID: 10E0574-23
Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.12	mg/Kg dry	1	V-16	SW-846 8260B	5/26/10	5/27/10 11:31	MFF
Acrylonitrile	ND	0.0072	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:31	MFF
Benzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:31	MFF
Bromobenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:31	MFF
Bromodichloromethane	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:31	MFF
Bromoform	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:31	MFF
Bromomethane	ND	0.012	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:31	MFF
2-Butanone (MEK)	ND	0.048	mg/Kg dry	1	V-16	SW-846 8260B	5/26/10	5/27/10 11:31	MFF
n-Butylbenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:31	MFF
sec-Butylbenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:31	MFF
tert-Butylbenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:31	MFF
Carbon Disulfide	ND	0.0072	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:31	MFF
Carbon Tetrachloride	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:31	MFF
Chlorobenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:31	MFF
Chlorodibromomethane	ND	0.0012	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:31	MFF
Chloroethane	ND	0.024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:31	MFF
Chloroform	ND	0.0048	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:31	MFF
Chloromethane	ND	0.012	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:31	MFF
2-Chlorotoluene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:31	MFF
4-Chlorotoluene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:31	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:31	MFF
1,2-Dibromoethane (EDB)	ND	0.0012	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:31	MFF
Dibromomethane	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:31	MFF
1,2-Dichlorobenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:31	MFF
1,3-Dichlorobenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:31	MFF
1,4-Dichlorobenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:31	MFF
trans-1,4-Dichloro-2-butene	ND	0.0048	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:31	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:31	MFF
1,1-Dichloroethane	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:31	MFF
1,2-Dichloroethane	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:31	MFF
1,1-Dichloroethylene	ND	0.0048	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:31	MFF
cis-1,2-Dichloroethylene	0.025	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:31	MFF
trans-1,2-Dichloroethylene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:31	MFF
1,2-Dichloropropane	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:31	MFF
1,3-Dichloropropane	ND	0.0012	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:31	MFF
2,2-Dichloropropane	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:31	MFF
1,1-Dichloropropene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:31	MFF
cis-1,3-Dichloropropene	ND	0.0012	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:31	MFF
trans-1,3-Dichloropropene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:31	MFF
Ethylbenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:31	MFF
Hexachlorobutadiene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:31	MFF
2-Hexanone (MBK)	ND	0.024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:31	MFF
Isopropylbenzene (Cumene)	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:31	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:31	MFF

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Portland Chemical | Sample Description: | Work Order: 10E0574

Date Received: 5/25/2010

Field Sample #: Bottom-33 | Sampled: 5/24/2010 15:05

Sample ID: 10E0574-23

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0048	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:31	MFF
Methylene Chloride	ND	0.024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:31	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:31	MFF
Naphthalene	ND	0.0048	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:31	MFF
n-Propylbenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:31	MFF
Styrene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:31	MFF
1,1,1,2-Tetrachloroethane	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:31	MFF
1,1,2,2-Tetrachloroethane	ND	0.0012	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:31	MFF
Tetrachloroethylene	0.16	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:31	MFF
Tetrahydrofuran	ND	0.012	mg/Kg dry	1	V-16	SW-846 8260B	5/26/10	5/27/10 11:31	MFF
Toluene	0.016	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:31	MFF
1,2,3-Trichlorobenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:31	MFF
1,2,4-Trichlorobenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:31	MFF
1,1,1-Trichloroethane	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:31	MFF
1,1,2-Trichloroethane	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:31	MFF
Trichloroethylene	0.0070	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:31	MFF
Trichlorofluoromethane (Freon 11)	ND	0.012	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:31	MFF
1,2,3-Trichloropropane	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:31	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.012	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:31	MFF
1,2,4-Trimethylbenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:31	MFF
1,3,5-Trimethylbenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:31	MFF
Vinyl Chloride	ND	0.012	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:31	MFF
m+p Xylene	ND	0.0048	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:31	MFF
o-Xylene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:31	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	110	70-130		5/27/10 11:31
Toluene-d8	102	70-130		5/27/10 11:31
4-Bromofluorobenzene	101	70-130		5/27/10 11:31

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0574

Date Received: 5/25/2010
Field Sample #: Bottom-33
Sampled: 5/24/2010 15:05

Sample ID: 10E0574-23
Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.22	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 15:08	BGL
Acenaphthylene	ND	0.22	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 15:08	BGL
Anthracene	ND	0.22	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 15:08	BGL
Benzo(a)anthracene	ND	0.22	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 15:08	BGL
Benzo(a)pyrene	ND	0.22	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 15:08	BGL
Benzo(b)fluoranthene	ND	0.22	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 15:08	BGL
Benzo(g,h,i)perylene	ND	0.22	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 15:08	BGL
Benzo(k)fluoranthene	ND	0.22	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 15:08	BGL
Chrysene	ND	0.22	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 15:08	BGL
Dibenz(a,h)anthracene	ND	0.22	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 15:08	BGL
Fluoranthene	ND	0.22	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 15:08	BGL
Fluorene	ND	0.22	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 15:08	BGL
Indeno(1,2,3-cd)pyrene	ND	0.22	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 15:08	BGL
2-Methylnaphthalene	ND	0.22	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 15:08	BGL
Naphthalene	ND	0.22	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 15:08	BGL
Phenanthrene	ND	0.22	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 15:08	BGL
Pyrene	ND	0.22	mg/Kg dry	1		SW-846 8270C	5/28/10	6/3/10 15:08	BGL

Surrogates	% Recovery	Recovery Limits	Flag	
Nitrobenzene-d5	40.1	30-130		6/3/10 15:08
2-Fluorobiphenyl	43.6	30-130		6/3/10 15:08
Terphenyl-d14	54.0	30-130		6/3/10 15:08

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0574

Date Received: 5/25/2010

Field Sample #: Bottom-33
Sampled: 5/24/2010 15:05

Sample ID: 10E0574-23

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	130	mg/Kg dry	5		CTDEP ETPH	5/28/10	6/2/10 23:06	CJM

Surrogates	% Recovery	Recovery Limits	Flag	
o-Terphenyl	75.8	50-150		6/2/10 23:06

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0574

Date Received: 5/25/2010
Field Sample #: Bottom-33
Sampled: 5/24/2010 15:05

Sample ID: 10E0574-23
Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	4.5	3.0	mg/Kg dry	1		SW-846 6010B	5/27/10	5/28/10 15:48	OP
Barium	110	3.0	mg/Kg dry	1		SW-846 6010B	5/27/10	5/28/10 15:48	OP
Cadmium	1.7	0.30	mg/Kg dry	1		SW-846 6010B	5/27/10	5/28/10 15:48	OP
Chromium	27	0.60	mg/Kg dry	1		SW-846 6010B	5/27/10	5/28/10 15:48	OP
Lead	14	0.91	mg/Kg dry	1		SW-846 6010B	5/27/10	5/28/10 15:48	OP
Mercury	ND	0.014	mg/Kg dry	1		SW-846 7471A	5/27/10	5/28/10 11:25	MPF
Selenium	ND	6.0	mg/Kg dry	1		SW-846 6010B	5/27/10	5/28/10 15:48	OP
Silver	ND	0.60	mg/Kg dry	1		SW-846 6010B	5/27/10	5/28/10 15:48	OP

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0574

Date Received: 5/25/2010

Field Sample #: Bottom-33
Sampled: 5/24/2010 15:05

Sample ID: 10E0574-23

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	77.5		% Wt	1		SM 2540G	5/28/10	5/31/10 16:13	NH

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Project Location: Portland Chemical | Sample Description: | Work Order: 10E0574

Date Received: 5/25/2010

Field Sample #: Bottom-34 | Sampled: 5/24/2010 15:15

Sample ID: 10E0574-24

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.11	mg/Kg dry	1	V-16	SW-846 8260B	5/26/10	5/27/10 11:57	MFF
Acrylonitrile	ND	0.0068	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:57	MFF
Benzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:57	MFF
Bromobenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:57	MFF
Bromodichloromethane	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:57	MFF
Bromoform	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:57	MFF
Bromomethane	ND	0.011	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:57	MFF
2-Butanone (MEK)	ND	0.045	mg/Kg dry	1	V-16	SW-846 8260B	5/26/10	5/27/10 11:57	MFF
n-Butylbenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:57	MFF
sec-Butylbenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:57	MFF
tert-Butylbenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:57	MFF
Carbon Disulfide	ND	0.0068	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:57	MFF
Carbon Tetrachloride	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:57	MFF
Chlorobenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:57	MFF
Chlorodibromomethane	ND	0.0011	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:57	MFF
Chloroethane	ND	0.023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:57	MFF
Chloroform	ND	0.0045	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:57	MFF
Chloromethane	ND	0.011	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:57	MFF
2-Chlorotoluene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:57	MFF
4-Chlorotoluene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:57	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:57	MFF
1,2-Dibromoethane (EDB)	ND	0.0011	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:57	MFF
Dibromomethane	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:57	MFF
1,2-Dichlorobenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:57	MFF
1,3-Dichlorobenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:57	MFF
1,4-Dichlorobenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:57	MFF
trans-1,4-Dichloro-2-butene	ND	0.0045	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:57	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:57	MFF
1,1-Dichloroethane	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:57	MFF
1,2-Dichloroethane	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:57	MFF
1,1-Dichloroethylene	ND	0.0045	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:57	MFF
cis-1,2-Dichloroethylene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:57	MFF
trans-1,2-Dichloroethylene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:57	MFF
1,2-Dichloropropane	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:57	MFF
1,3-Dichloropropane	ND	0.0011	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:57	MFF
2,2-Dichloropropane	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:57	MFF
1,1-Dichloropropene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:57	MFF
cis-1,3-Dichloropropene	ND	0.0011	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:57	MFF
trans-1,3-Dichloropropene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:57	MFF
Ethylbenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:57	MFF
Hexachlorobutadiene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:57	MFF
2-Hexanone (MBK)	ND	0.023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:57	MFF
Isopropylbenzene (Cumene)	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:57	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:57	MFF

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Project Location: Portland Chemical
Sample Description:
Work Order: 10E0574

Date Received: 5/25/2010
Field Sample #: Bottom-34
Sampled: 5/24/2010 15:15
Sample ID: 10E0574-24
Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0045	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:57	MFF
Methylene Chloride	ND	0.023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:57	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:57	MFF
Naphthalene	ND	0.0045	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:57	MFF
n-Propylbenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:57	MFF
Styrene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:57	MFF
1,1,1,2-Tetrachloroethane	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:57	MFF
1,1,2,2-Tetrachloroethane	ND	0.0011	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:57	MFF
Tetrachloroethylene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:57	MFF
Tetrahydrofuran	ND	0.011	mg/Kg dry	1	V-16	SW-846 8260B	5/26/10	5/27/10 11:57	MFF
Toluene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:57	MFF
1,2,3-Trichlorobenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:57	MFF
1,2,4-Trichlorobenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:57	MFF
1,1,1-Trichloroethane	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:57	MFF
1,1,2-Trichloroethane	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:57	MFF
Trichloroethylene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:57	MFF
Trichlorofluoromethane (Freon 11)	ND	0.011	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:57	MFF
1,2,3-Trichloropropane	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:57	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.011	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:57	MFF
1,2,4-Trimethylbenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:57	MFF
1,3,5-Trimethylbenzene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:57	MFF
Vinyl Chloride	ND	0.011	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:57	MFF
m+p Xylene	ND	0.0045	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:57	MFF
o-Xylene	ND	0.0023	mg/Kg dry	1		SW-846 8260B	5/26/10	5/27/10 11:57	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	108	70-130		5/27/10 11:57
Toluene-d8	101	70-130		5/27/10 11:57
4-Bromofluorobenzene	98.9	70-130		5/27/10 11:57

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Project Location: Portland Chemical
Sample Description:

Date Received: 5/25/2010
Field Sample #: Bottom-34
Sampled: 5/24/2010 15:15

Sample ID: 10E0574-24
Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag
CT ETPH	260	250	mg/Kg dry	10	

Surrogates	% Recovery	Recovery Limits	Flag
o-Terphenyl	64.0	50-150	

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Project Location: Portland Chemical
Sample Description:
Date Received: 5/25/2010
Field Sample #: Bottom-34
Sampled: 5/24/2010 15:15
Sample ID: 10E0574-24
Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (To

Analyte	Results	RL	Units	Dilution	Flag
% Solids	79.0		% Wt	1	

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Project Location: Portland Chemical
Sample Description:

Date Received: 5/25/2010
Field Sample #: Bottom-35
Sampled: 5/24/2010 15:32

Sample ID: 10E0574-25
Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag
Acetone	ND	0.11	mg/Kg dry	1	V-16
Acrylonitrile	ND	0.0067	mg/Kg dry	1	
Benzene	ND	0.0022	mg/Kg dry	1	
Bromobenzene	ND	0.0022	mg/Kg dry	1	
Bromodichloromethane	ND	0.0022	mg/Kg dry	1	
Bromoform	ND	0.0022	mg/Kg dry	1	
Bromomethane	ND	0.011	mg/Kg dry	1	
2-Butanone (MEK)	ND	0.045	mg/Kg dry	1	V-16
n-Butylbenzene	ND	0.0022	mg/Kg dry	1	
sec-Butylbenzene	ND	0.0022	mg/Kg dry	1	
tert-Butylbenzene	ND	0.0022	mg/Kg dry	1	
Carbon Disulfide	ND	0.0067	mg/Kg dry	1	
Carbon Tetrachloride	ND	0.0022	mg/Kg dry	1	
Chlorobenzene	ND	0.0022	mg/Kg dry	1	
Chlorodibromomethane	ND	0.0011	mg/Kg dry	1	
Chloroethane	ND	0.022	mg/Kg dry	1	
Chloroform	ND	0.0045	mg/Kg dry	1	
Chloromethane	ND	0.011	mg/Kg dry	1	
2-Chlorotoluene	ND	0.0022	mg/Kg dry	1	
4-Chlorotoluene	ND	0.0022	mg/Kg dry	1	
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0022	mg/Kg dry	1	
1,2-Dibromoethane (EDB)	ND	0.0011	mg/Kg dry	1	
Dibromomethane	ND	0.0022	mg/Kg dry	1	
1,2-Dichlorobenzene	ND	0.0022	mg/Kg dry	1	
1,3-Dichlorobenzene	ND	0.0022	mg/Kg dry	1	
1,4-Dichlorobenzene	ND	0.0022	mg/Kg dry	1	
trans-1,4-Dichloro-2-butene	ND	0.0045	mg/Kg dry	1	
Dichlorodifluoromethane (Freon 12)	ND	0.022	mg/Kg dry	1	
1,1-Dichloroethane	ND	0.0022	mg/Kg dry	1	
1,2-Dichloroethane	ND	0.0022	mg/Kg dry	1	
1,1-Dichloroethylene	ND	0.0045	mg/Kg dry	1	
cis-1,2-Dichloroethylene	ND	0.0022	mg/Kg dry	1	

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Project Location: Portland Chemical
Sample Description:
Date Received: 5/25/2010
Field Sample #: Bottom-35
Sampled: 5/24/2010 15:32
Sample ID: 10E0574-25
Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag
Methyl tert-Butyl Ether (MTBE)	ND	0.0045	mg/Kg dry	1	
Methylene Chloride	ND	0.022	mg/Kg dry	1	
4-Methyl-2-pentanone (MIBK)	ND	0.022	mg/Kg dry	1	
Naphthalene	ND	0.0045	mg/Kg dry	1	
n-Propylbenzene	ND	0.0022	mg/Kg dry	1	
Styrene	ND	0.0022	mg/Kg dry	1	
1,1,1,2-Tetrachloroethane	ND	0.0022	mg/Kg dry	1	
1,1,2,2-Tetrachloroethane	ND	0.0011	mg/Kg dry	1	
Tetrachloroethylene	ND	0.0022	mg/Kg dry	1	
Tetrahydrofuran	ND	0.011	mg/Kg dry	1	V-16
Toluene	ND	0.0022	mg/Kg dry	1	
1,2,3-Trichlorobenzene	ND	0.0022	mg/Kg dry	1	
1,2,4-Trichlorobenzene	ND	0.0022	mg/Kg dry	1	
1,1,1-Trichloroethane	ND	0.0022	mg/Kg dry	1	
1,1,2-Trichloroethane	ND	0.0022	mg/Kg dry	1	
Trichloroethylene	ND	0.0022	mg/Kg dry	1	
Trichlorofluoromethane (Freon 11)	ND	0.011	mg/Kg dry	1	
1,2,3-Trichloropropane	ND	0.0022	mg/Kg dry	1	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.011	mg/Kg dry	1	
1,2,4-Trimethylbenzene	ND	0.0022	mg/Kg dry	1	
1,3,5-Trimethylbenzene	ND	0.0022	mg/Kg dry	1	
Vinyl Chloride	ND	0.011	mg/Kg dry	1	
m+p Xylene	ND	0.0045	mg/Kg dry	1	
o-Xylene	ND	0.0022	mg/Kg dry	1	

Surrogates	% Recovery	Recovery Limits	Flag
1,2-Dichloroethane-d4	114	70-130	
Toluene-d8	103	70-130	
4-Bromofluorobenzene	98.9	70-130	

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Project Location: Portland Chemical
Sample Description:

Date Received: 5/25/2010
Field Sample #: Bottom-35
Sampled: 5/24/2010 15:32

Sample ID: 10E0574-25
Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag
Acenaphthene	ND	0.20	mg/Kg dry	1	
Acenaphthylene	ND	0.20	mg/Kg dry	1	
Anthracene	ND	0.20	mg/Kg dry	1	
Benzo(a)anthracene	ND	0.20	mg/Kg dry	1	
Benzo(a)pyrene	ND	0.20	mg/Kg dry	1	
Benzo(b)fluoranthene	ND	0.20	mg/Kg dry	1	
Benzo(g,h,i)perylene	ND	0.20	mg/Kg dry	1	
Benzo(k)fluoranthene	ND	0.20	mg/Kg dry	1	
Chrysene	ND	0.20	mg/Kg dry	1	
Dibenz(a,h)anthracene	ND	0.20	mg/Kg dry	1	
Fluoranthene	ND	0.20	mg/Kg dry	1	
Fluorene	ND	0.20	mg/Kg dry	1	
Indeno(1,2,3-cd)pyrene	ND	0.20	mg/Kg dry	1	
2-Methylnaphthalene	ND	0.20	mg/Kg dry	1	
Naphthalene	ND	0.20	mg/Kg dry	1	
Phenanthrene	ND	0.20	mg/Kg dry	1	
Pyrene	ND	0.20	mg/Kg dry	1	

Surrogates	% Recovery	Recovery Limits	Flag
Nitrobenzene-d5	47.3	30-130	
2-Fluorobiphenyl	56.2	30-130	
Terphenyl-d14	38.6	30-130	

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Project Location: Portland Chemical
Sample Description:

Date Received: 5/25/2010

Field Sample #: Bottom-35
Sampled: 5/24/2010 15:32

Sample ID: 10E0574-25

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag
CT ETPH	54	46	mg/Kg dry	2	

Surrogates	% Recovery	Recovery Limits	Flag
o-Terphenyl	61.6	50-150	

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Project Location: Portland Chemical
Sample Description:

Date Received: 5/25/2010

Field Sample #: Bottom-35
Sampled: 5/24/2010 15:32

Sample ID: 10E0574-25

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag
Arsenic	5.6	2.8	mg/Kg dry	1	
Barium	140	2.8	mg/Kg dry	1	
Cadmium	0.30	0.28	mg/Kg dry	1	
Chromium	23	0.57	mg/Kg dry	1	
Lead	9.9	0.85	mg/Kg dry	1	
Mercury	ND	0.024	mg/Kg dry	1	
Selenium	ND	5.7	mg/Kg dry	1	
Silver	ND	0.57	mg/Kg dry	1	

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Project Location: Portland Chemical
Sample Description:

Date Received: 5/25/2010

Field Sample #: Bottom-35
Sampled: 5/24/2010 15:32

Sample ID: 10E0574-25

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (T

Analyte	Results	RL	Units	Dilution	Flag
% Solids	86.7		% Wt	1	

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Project Location: Portland Chemical
Sample Description:

Date Received: 5/25/2010

Field Sample #: SW-15 Dup
Sampled: 5/24/2010 10:47

Sample ID: 10E0574-26

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag
Acetone	ND	0.12	mg/Kg dry	1	V-16
Acrylonitrile	ND	0.0071	mg/Kg dry	1	
Benzene	ND	0.0024	mg/Kg dry	1	
Bromobenzene	ND	0.0024	mg/Kg dry	1	
Bromodichloromethane	ND	0.0024	mg/Kg dry	1	
Bromoform	ND	0.0024	mg/Kg dry	1	
Bromomethane	ND	0.012	mg/Kg dry	1	
2-Butanone (MEK)	ND	0.047	mg/Kg dry	1	V-16
n-Butylbenzene	ND	0.0024	mg/Kg dry	1	
sec-Butylbenzene	ND	0.0024	mg/Kg dry	1	
tert-Butylbenzene	ND	0.0024	mg/Kg dry	1	
Carbon Disulfide	ND	0.0071	mg/Kg dry	1	
Carbon Tetrachloride	ND	0.0024	mg/Kg dry	1	
Chlorobenzene	ND	0.0024	mg/Kg dry	1	
Chlorodibromomethane	ND	0.0012	mg/Kg dry	1	
Chloroethane	ND	0.024	mg/Kg dry	1	
Chloroform	ND	0.0047	mg/Kg dry	1	
Chloromethane	ND	0.012	mg/Kg dry	1	
2-Chlorotoluene	ND	0.0024	mg/Kg dry	1	
4-Chlorotoluene	ND	0.0024	mg/Kg dry	1	
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0024	mg/Kg dry	1	
1,2-Dibromoethane (EDB)	ND	0.0012	mg/Kg dry	1	
Dibromomethane	ND	0.0024	mg/Kg dry	1	
1,2-Dichlorobenzene	ND	0.0024	mg/Kg dry	1	
1,3-Dichlorobenzene	ND	0.0024	mg/Kg dry	1	
1,4-Dichlorobenzene	ND	0.0024	mg/Kg dry	1	
trans-1,4-Dichloro-2-butene	ND	0.0047	mg/Kg dry	1	
Dichlorodifluoromethane (Freon 12)	ND	0.024	mg/Kg dry	1	
1,1-Dichloroethane	ND	0.0024	mg/Kg dry	1	
1,2-Dichloroethane	ND	0.0024	mg/Kg dry	1	
1,1-Dichloroethylene	ND	0.0047	mg/Kg dry	1	
cis-1,2-Dichloroethylene	ND	0.0024	mg/Kg dry	1	
trans-1,2-Dichloroethylene	ND	0.0024	mg/Kg dry	1	

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Project Location: Portland Chemical
Sample Description:
Date Received: 5/25/2010
Field Sample #: SW-15 Dup
Sampled: 5/24/2010 10:47
Sample ID: 10E0574-26
Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag
Methyl tert-Butyl Ether (MTBE)	ND	0.0047	mg/Kg dry	1	
Methylene Chloride	ND	0.024	mg/Kg dry	1	
4-Methyl-2-pentanone (MIBK)	ND	0.024	mg/Kg dry	1	
Naphthalene	ND	0.0047	mg/Kg dry	1	
n-Propylbenzene	ND	0.0024	mg/Kg dry	1	
Styrene	ND	0.0024	mg/Kg dry	1	
1,1,1,2-Tetrachloroethane	ND	0.0024	mg/Kg dry	1	
1,1,2,2-Tetrachloroethane	ND	0.0012	mg/Kg dry	1	
Tetrachloroethylene	ND	0.0024	mg/Kg dry	1	
Tetrahydrofuran	ND	0.012	mg/Kg dry	1	V-16
Toluene	ND	0.0024	mg/Kg dry	1	
1,2,3-Trichlorobenzene	ND	0.0024	mg/Kg dry	1	
1,2,4-Trichlorobenzene	ND	0.0024	mg/Kg dry	1	
1,1,1-Trichloroethane	ND	0.0024	mg/Kg dry	1	
1,1,2-Trichloroethane	ND	0.0024	mg/Kg dry	1	
Trichloroethylene	ND	0.0024	mg/Kg dry	1	
Trichlorofluoromethane (Freon 11)	ND	0.012	mg/Kg dry	1	
1,2,3-Trichloropropane	ND	0.0024	mg/Kg dry	1	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.012	mg/Kg dry	1	
1,2,4-Trimethylbenzene	ND	0.0024	mg/Kg dry	1	
1,3,5-Trimethylbenzene	ND	0.0024	mg/Kg dry	1	
Vinyl Chloride	ND	0.012	mg/Kg dry	1	
m+p Xylene	ND	0.0047	mg/Kg dry	1	
o-Xylene	ND	0.0024	mg/Kg dry	1	

Surrogates	% Recovery	Recovery Limits	Flag
1,2-Dichloroethane-d4	115	70-130	
Toluene-d8	101	70-130	
4-Bromofluorobenzene	100	70-130	

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Project Location: Portland Chemical
Sample Description:

Date Received: 5/25/2010

Field Sample #: SW-15 Dup
Sampled: 5/24/2010 10:47

Sample ID: 10E0574-26

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag
Acenaphthene	ND	0.19	mg/Kg dry	1	
Acenaphthylene	ND	0.19	mg/Kg dry	1	
Anthracene	ND	0.19	mg/Kg dry	1	
Benzo(a)anthracene	ND	0.19	mg/Kg dry	1	
Benzo(a)pyrene	ND	0.19	mg/Kg dry	1	
Benzo(b)fluoranthene	ND	0.19	mg/Kg dry	1	
Benzo(g,h,i)perylene	ND	0.19	mg/Kg dry	1	
Benzo(k)fluoranthene	ND	0.19	mg/Kg dry	1	
Chrysene	ND	0.19	mg/Kg dry	1	
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1	
Fluoranthene	ND	0.19	mg/Kg dry	1	
Fluorene	ND	0.19	mg/Kg dry	1	
Indeno(1,2,3-cd)pyrene	ND	0.19	mg/Kg dry	1	
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1	
Naphthalene	ND	0.19	mg/Kg dry	1	
Phenanthrene	ND	0.19	mg/Kg dry	1	
Pyrene	ND	0.19	mg/Kg dry	1	

Surrogates	% Recovery	Recovery Limits	Flag
Nitrobenzene-d5	49.1	30-130	
2-Fluorobiphenyl	54.6	30-130	
Terphenyl-d14	58.7	30-130	

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Project Location: Portland Chemical
Sample Description:
Date Received: 5/25/2010
Field Sample #: Bottom-333 Dup
Sampled: 5/24/2010 15:05
Sample ID: 10E0574-27
Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag
Methyl tert-Butyl Ether (MTBE)	ND	0.0044	mg/Kg dry	1	
Methylene Chloride	ND	0.022	mg/Kg dry	1	
4-Methyl-2-pentanone (MIBK)	ND	0.022	mg/Kg dry	1	
Naphthalene	ND	0.0044	mg/Kg dry	1	
n-Propylbenzene	ND	0.0022	mg/Kg dry	1	
Styrene	ND	0.0022	mg/Kg dry	1	
1,1,1,2-Tetrachloroethane	ND	0.0022	mg/Kg dry	1	
1,1,2,2-Tetrachloroethane	ND	0.0011	mg/Kg dry	1	
Tetrachloroethylene	0.13	0.0022	mg/Kg dry	1	
Tetrahydrofuran	ND	0.011	mg/Kg dry	1	V-16
Toluene	0.0099	0.0022	mg/Kg dry	1	
1,2,3-Trichlorobenzene	ND	0.0022	mg/Kg dry	1	
1,2,4-Trichlorobenzene	ND	0.0022	mg/Kg dry	1	
1,1,1-Trichloroethane	ND	0.0022	mg/Kg dry	1	
1,1,2-Trichloroethane	ND	0.0022	mg/Kg dry	1	
Trichloroethylene	0.0079	0.0022	mg/Kg dry	1	
Trichlorofluoromethane (Freon 11)	ND	0.011	mg/Kg dry	1	
1,2,3-Trichloropropane	ND	0.0022	mg/Kg dry	1	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.011	mg/Kg dry	1	
1,2,4-Trimethylbenzene	ND	0.0022	mg/Kg dry	1	
1,3,5-Trimethylbenzene	ND	0.0022	mg/Kg dry	1	
Vinyl Chloride	ND	0.011	mg/Kg dry	1	
m+p Xylene	ND	0.0044	mg/Kg dry	1	
o-Xylene	ND	0.0022	mg/Kg dry	1	

Surrogates	% Recovery	Recovery Limits	Flag
1,2-Dichloroethane-d4	113	70-130	
Toluene-d8	101	70-130	
4-Bromofluorobenzene	98.8	70-130	

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Project Location: Portland Chemical
Sample Description:

Date Received: 5/25/2010

Field Sample #: Bottom-333 Dup
Sampled: 5/24/2010 15:05

Sample ID: 10E0574-27

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag
Acenaphthene	ND	0.22	mg/Kg dry	1	
Acenaphthylene	ND	0.22	mg/Kg dry	1	
Anthracene	ND	0.22	mg/Kg dry	1	
Benzo(a)anthracene	ND	0.22	mg/Kg dry	1	
Benzo(a)pyrene	ND	0.22	mg/Kg dry	1	
Benzo(b)fluoranthene	ND	0.22	mg/Kg dry	1	
Benzo(g,h,i)perylene	ND	0.22	mg/Kg dry	1	
Benzo(k)fluoranthene	ND	0.22	mg/Kg dry	1	
Chrysene	ND	0.22	mg/Kg dry	1	
Dibenz(a,h)anthracene	ND	0.22	mg/Kg dry	1	
Fluoranthene	ND	0.22	mg/Kg dry	1	
Fluorene	ND	0.22	mg/Kg dry	1	
Indeno(1,2,3-cd)pyrene	ND	0.22	mg/Kg dry	1	
2-Methylnaphthalene	ND	0.22	mg/Kg dry	1	
Naphthalene	ND	0.22	mg/Kg dry	1	
Phenanthrene	ND	0.22	mg/Kg dry	1	
Pyrene	ND	0.22	mg/Kg dry	1	

Surrogates	% Recovery	Recovery Limits	Flag
Nitrobenzene-d5	53.7	30-130	
2-Fluorobiphenyl	67.0	30-130	
Terphenyl-d14	66.8	30-130	

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Project Location: Portland Chemical
Sample Description:

Date Received: 5/25/2010

Field Sample #: Bottom-333 Dup
Sampled: 5/24/2010 15:05

Sample ID: 10E0574-27

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (

Analyte	Results	RL	Units	Dilution	Flag
% Solids	79.0		% Wt	1	

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Sample Extraction Data

Prep Method: SW-846 3546-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]
10E0574-01 [SW-11]	B014249	30.0	1.00
10E0574-02 [SW-12]	B014249	30.3	1.00
10E0574-03 [SW-13]	B014249	30.0	1.00
10E0574-04 [SW-14]	B014249	30.1	1.00
10E0574-05 [SW-15]	B014249	30.1	1.00
10E0574-06 [SW-16]	B014249	30.0	2.00
10E0574-07 [SW-17]	B014249	30.0	1.00
10E0574-08 [SW-18]	B014249	30.0	1.00
10E0574-09 [SW-19]	B014249	30.1	1.00
10E0574-10 [SW-20]	B014249	30.3	2.00
10E0574-11 [SW-21]	B014249	30.3	1.00
10E0574-12 [SW-22]	B014249	30.0	1.00
10E0574-13 [Bottom-23]	B014249	30.2	2.00
10E0574-14 [Bottom-24]	B014249	30.0	1.00
10E0574-15 [Bottom-25]	B014249	30.1	2.00
10E0574-16 [Bottom-26]	B014249	30.1	1.00
10E0574-17 [Bottom-27]	B014249	30.0	1.00
10E0574-18 [Bottom-28]	B014249	30.1	1.00
10E0574-19 [Bottom-29]	B014249	30.0	1.00
10E0574-20 [Bottom-30]	B014249	30.1	2.00

Prep Method: SW-846 3546-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]
10E0574-21 [Bottom-31]	B014250	30.1	1.00
10E0574-22 [Bottom-32]	B014250	30.0	1.00
10E0574-23 [Bottom-33]	B014250	30.1	2.00
10E0574-24 [Bottom-34]	B014250	30.0	2.00
10E0574-25 [Bottom-35]	B014250	30.3	2.00
10E0574-26 [SW-15 Dup]	B014250	30.2	1.00
10E0574-27 [Bottom-333 Dup]	B014250	30.1	1.00

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch
10E0574-01 [SW-11]	B014225
10E0574-02 [SW-12]	B014225
10E0574-03 [SW-13]	B014225
10E0574-04 [SW-14]	B014225

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Sample Extraction Data

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch
10E0574-19 [Bottom-29]	B014225
10E0574-20 [Bottom-30]	B014225
10E0574-21 [Bottom-31]	B014225
10E0574-22 [Bottom-32]	B014225
10E0574-23 [Bottom-33]	B014225
10E0574-24 [Bottom-34]	B014225
10E0574-25 [Bottom-35]	B014225
10E0574-26 [SW-15 Dup]	B014225
10E0574-27 [Bottom-333 Dup]	B014225

Prep Method: SW-846 3050B-SW-846 6010B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]
10E0574-01 [SW-11]	B014184	0.955	50.0
10E0574-02 [SW-12]	B014184	1.06	50.0
10E0574-03 [SW-13]	B014184	0.998	50.0
10E0574-04 [SW-14]	B014184	0.974	50.0
10E0574-05 [SW-15]	B014184	1.02	50.0
10E0574-08 [SW-18]	B014184	1.00	50.0
10E0574-10 [SW-20]	B014184	1.02	50.0
10E0574-12 [SW-22]	B014184	0.991	50.0

Prep Method: SW-846 3050B-SW-846 6010B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]
10E0574-13 [Bottom-23]	B014200	1.04	50.0
10E0574-14 [Bottom-24]	B014200	1.02	50.0
10E0574-15 [Bottom-25]	B014200	1.01	50.0
10E0574-16 [Bottom-26]	B014200	1.04	50.0
10E0574-17 [Bottom-27]	B014200	1.04	50.0
10E0574-19 [Bottom-29]	B014200	1.08	50.0
10E0574-21 [Bottom-31]	B014200	1.06	50.0
10E0574-23 [Bottom-33]	B014200	1.07	50.0
10E0574-25 [Bottom-35]	B014200	1.02	50.0
10E0574-26 [SW-15 Dup]	B014200	1.03	50.0
10E0574-27 [Bottom-333 Dup]	B014200	1.02	50.0

Prep Method: SW-846 7471A-SW-846 7471A

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Sample Extraction Data

Prep Method: SW-846 7471A-SW-846 7471A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]
10E0574-10 [SW-20]	B014199	0.128	25.0
10E0574-12 [SW-22]	B014199	0.157	25.0
10E0574-13 [Bottom-23]	B014199	0.216	25.0
10E0574-14 [Bottom-24]	B014199	0.183	25.0
10E0574-15 [Bottom-25]	B014199	0.109	25.0
10E0574-16 [Bottom-26]	B014199	0.185	25.0
10E0574-17 [Bottom-27]	B014199	0.142	25.0
10E0574-19 [Bottom-29]	B014199	0.217	25.0
10E0574-21 [Bottom-31]	B014199	0.242	25.0
10E0574-23 [Bottom-33]	B014199	0.236	25.0
10E0574-25 [Bottom-35]	B014199	0.119	25.0
10E0574-26 [SW-15 Dup]	B014199	0.204	25.0
10E0574-27 [Bottom-333 Dup]	B014199	0.131	25.0

Prep Method: SW-846 3546-SW-846 8081A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]
10E0574-02 [SW-12]	B014167	10.1	10.0
10E0574-03 [SW-13]	B014167	10.0	10.0
10E0574-06 [SW-16]	B014167	10.0	10.0
10E0574-09 [SW-19]	B014167	10.1	10.0
10E0574-13 [Bottom-23]	B014167	10.0	10.0
10E0574-16 [Bottom-26]	B014167	10.0	10.0
10E0574-19 [Bottom-29]	B014167	10.1	10.0
10E0574-22 [Bottom-32]	B014167	10.0	10.0

Prep Method: SW-846 5035-SW-846 8260B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]
10E0574-01 [SW-11]	B014111	5.21	10.0
10E0574-02 [SW-12]	B014111	5.16	10.0

Prep Method: SW-846 5035-SW-846 8260B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]
10E0574-03 [SW-13]	B014135	6.30	10.0
10E0574-04 [SW-14]	B014135	5.57	10.0
10E0574-05 [SW-15]	B014135	6.44	10.0

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Sample Extraction Data

Prep Method: SW-846 5035-SW-846 8260B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]
10E0574-10 [SW-20]	B014150	4.91	10.0
10E0574-19 [Bottom-29]	B014150	5.27	10.0
10E0574-20 [Bottom-30]	B014150	5.20	10.0
10E0574-21 [Bottom-31]	B014150	5.86	10.0
10E0574-22 [Bottom-32]	B014150	6.33	10.0
10E0574-23 [Bottom-33]	B014150	5.35	10.0
10E0574-24 [Bottom-34]	B014150	5.60	10.0
10E0574-25 [Bottom-35]	B014150	5.13	10.0
10E0574-26 [SW-15 Dup]	B014150	4.82	10.0
10E0574-27 [Bottom-333 Dup]	B014150	5.71	10.0

Prep Method: SW-846 5035-SW-846 8260B

Lab Number [Field ID]	Batch	Sample Amount(g)	Methanol Volume(mL)	Met Aliqu
10E0574-09 [SW-19]	B014177	12.9	17.9	

Prep Method: SW-846 3546-SW-846 8270C

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]
10E0574-01 [SW-11]	B014248	30.3	1.00
10E0574-02 [SW-12]	B014248	30.1	1.00
10E0574-03 [SW-13]	B014248	30.0	1.00
10E0574-04 [SW-14]	B014248	30.0	1.00
10E0574-05 [SW-15]	B014248	30.0	1.00
10E0574-07 [SW-17]	B014248	30.1	1.00
10E0574-09 [SW-19]	B014248	30.0	1.00
10E0574-11 [SW-21]	B014248	30.0	1.00
10E0574-13 [Bottom-23]	B014248	30.1	1.00
10E0574-15 [Bottom-25]	B014248	30.3	1.00
10E0574-16 [Bottom-26]	B014248	30.1	1.00
10E0574-17 [Bottom-27]	B014248	30.1	1.00
10E0574-18 [Bottom-28]	B014248	30.0	1.00
10E0574-19 [Bottom-29]	B014248	30.1	1.00
10E0574-21 [Bottom-31]	B014248	30.0	1.00
10E0574-23 [Bottom-33]	B014248	30.0	1.00
10E0574-25 [Bottom-35]	B014248	30.0	1.00
10E0574-26 [SW-15 Dup]	B014248	30.2	1.00
10E0574-27 [Bottom-333 Dup]	B014248	30.0	1.00

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	
Batch B014111 - SW-846 5035						
Blank (B014111-BLK1)					Prepared & Analyzed: 05/26/	
Acetone	ND	0.10	mg/Kg wet			
Acrylonitrile	ND	0.0060	mg/Kg wet			
Benzene	ND	0.0020	mg/Kg wet			
Bromobenzene	ND	0.0020	mg/Kg wet			
Bromodichloromethane	ND	0.0020	mg/Kg wet			
Bromoform	ND	0.0020	mg/Kg wet			
Bromomethane	ND	0.010	mg/Kg wet			
2-Butanone (MEK)	ND	0.040	mg/Kg wet			
n-Butylbenzene	ND	0.0020	mg/Kg wet			
sec-Butylbenzene	ND	0.0020	mg/Kg wet			
tert-Butylbenzene	ND	0.0020	mg/Kg wet			
Carbon Disulfide	ND	0.0060	mg/Kg wet			
Carbon Tetrachloride	ND	0.0020	mg/Kg wet			
Chlorobenzene	ND	0.0020	mg/Kg wet			
Chlorodibromomethane	ND	0.0010	mg/Kg wet			
Chloroethane	ND	0.020	mg/Kg wet			
Chloroform	ND	0.0040	mg/Kg wet			
Chloromethane	ND	0.010	mg/Kg wet			
2-Chlorotoluene	ND	0.0020	mg/Kg wet			
4-Chlorotoluene	ND	0.0020	mg/Kg wet			
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	mg/Kg wet			
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg wet			
Dibromomethane	ND	0.0020	mg/Kg wet			
1,2-Dichlorobenzene	ND	0.0020	mg/Kg wet			
1,3-Dichlorobenzene	ND	0.0020	mg/Kg wet			
1,4-Dichlorobenzene	ND	0.0020	mg/Kg wet			
trans-1,4-Dichloro-2-butene	ND	0.0040	mg/Kg wet			
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg wet			
1,1-Dichloroethane	ND	0.0020	mg/Kg wet			
1,2-Dichloroethane	ND	0.0020	mg/Kg wet			
1,1-Dichloroethylene	ND	0.0040	mg/Kg wet			
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet			
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet			
1,2-Dichloropropane	ND	0.0020	mg/Kg wet			
1,3-Dichloropropane	ND	0.0010	mg/Kg wet			
2,2-Dichloropropane	ND	0.0020	mg/Kg wet			
1,1-Dichloropropene	ND	0.0020	mg/Kg wet			
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg wet			
trans-1,3-Dichloropropene	ND	0.0020	mg/Kg wet			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%
Batch B014111 - SW-846 5035						
Blank (B014111-BLK1)					Prepared & Analyzed: 05/26/1	
Tetrachloroethylene	ND	0.0020	mg/Kg wet			
Tetrahydrofuran	ND	0.010	mg/Kg wet			
Toluene	ND	0.0020	mg/Kg wet			
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg wet			
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg wet			
1,1,1-Trichloroethane	ND	0.0020	mg/Kg wet			
1,1,2-Trichloroethane	ND	0.0020	mg/Kg wet			
Trichloroethylene	ND	0.0020	mg/Kg wet			
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg wet			
1,2,3-Trichloropropane	ND	0.0020	mg/Kg wet			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	mg/Kg wet			
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg wet			
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg wet			
Vinyl Chloride	ND	0.010	mg/Kg wet			
m+p Xylene	ND	0.0040	mg/Kg wet			
o-Xylene	ND	0.0020	mg/Kg wet			
Surrogate: 1,2-Dichloroethane-d4	*0.0513*		mg/Kg wet	0.0500		10
Surrogate: Toluene-d8	*0.0505*		mg/Kg wet	0.0500		10
Surrogate: 4-Bromofluorobenzene	*0.0484*		mg/Kg wet	0.0500		96
LCS (B014111-BS1)					Prepared & Analyzed: 05/26/1	
Acetone	0.233	0.10	mg/Kg wet	0.200		11
Acrylonitrile	0.0204	0.0060	mg/Kg wet	0.0200		10
Benzene	0.0199	0.0020	mg/Kg wet	0.0200		99
Bromobenzene	0.0211	0.0020	mg/Kg wet	0.0200		10
Bromodichloromethane	0.0202	0.0020	mg/Kg wet	0.0200		10
Bromoform	0.0243	0.0020	mg/Kg wet	0.0200		12
Bromomethane	0.00826	0.010	mg/Kg wet	0.0200		41
2-Butanone (MEK)	0.207	0.040	mg/Kg wet	0.200		10
n-Butylbenzene	0.0219	0.0020	mg/Kg wet	0.0200		11
sec-Butylbenzene	0.0218	0.0020	mg/Kg wet	0.0200		10
tert-Butylbenzene	0.0214	0.0020	mg/Kg wet	0.0200		10
Carbon Disulfide	0.0198	0.0060	mg/Kg wet	0.0200		99
Carbon Tetrachloride	0.0208	0.0020	mg/Kg wet	0.0200		10
Chlorobenzene	0.0209	0.0020	mg/Kg wet	0.0200		10
Chlorodibromomethane	0.0240	0.0010	mg/Kg wet	0.0200		12
Chloroethane	0.0187	0.020	mg/Kg wet	0.0200		93
Chloroform	0.0206	0.0040	mg/Kg wet	0.0200		10

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%
Batch B014111 - SW-846 5035						
LCS (B014111-BS1)					Prepared & Analyzed: 05/26/	
cis-1,2-Dichloroethylene	0.0205	0.0020	mg/Kg wet	0.0200		1
trans-1,2-Dichloroethylene	0.0204	0.0020	mg/Kg wet	0.0200		1
1,2-Dichloropropane	0.0196	0.0020	mg/Kg wet	0.0200		9
1,3-Dichloropropane	0.0199	0.0010	mg/Kg wet	0.0200		9
2,2-Dichloropropane	0.0191	0.0020	mg/Kg wet	0.0200		9
1,1-Dichloropropene	0.0201	0.0020	mg/Kg wet	0.0200		1
cis-1,3-Dichloropropene	0.0200	0.0010	mg/Kg wet	0.0200		1
trans-1,3-Dichloropropene	0.0216	0.0020	mg/Kg wet	0.0200		1
Ethylbenzene	0.0213	0.0020	mg/Kg wet	0.0200		1
Hexachlorobutadiene	0.0233	0.0020	mg/Kg wet	0.0200		1
2-Hexanone (MBK)	0.195	0.020	mg/Kg wet	0.200		9
Isopropylbenzene (Cumene)	0.0253	0.0020	mg/Kg wet	0.0200		1
p-Isopropyltoluene (p-Cymene)	0.0218	0.0020	mg/Kg wet	0.0200		1
Methyl tert-Butyl Ether (MTBE)	0.0198	0.0040	mg/Kg wet	0.0200		9
Methylene Chloride	0.0194	0.020	mg/Kg wet	0.0200		9
4-Methyl-2-pentanone (MIBK)	0.196	0.020	mg/Kg wet	0.200		9
Naphthalene	0.0216	0.0040	mg/Kg wet	0.0200		1
n-Propylbenzene	0.0217	0.0020	mg/Kg wet	0.0200		1
Styrene	0.0212	0.0020	mg/Kg wet	0.0200		1
1,1,1,2-Tetrachloroethane	0.0212	0.0020	mg/Kg wet	0.0200		1
1,1,2,2-Tetrachloroethane	0.0206	0.0010	mg/Kg wet	0.0200		1
Tetrachloroethylene	0.0215	0.0020	mg/Kg wet	0.0200		1
Tetrahydrofuran	0.0163	0.010	mg/Kg wet	0.0200		8
Toluene	0.0193	0.0020	mg/Kg wet	0.0200		9
1,2,3-Trichlorobenzene	0.0232	0.0020	mg/Kg wet	0.0200		1
1,2,4-Trichlorobenzene	0.0229	0.0020	mg/Kg wet	0.0200		1
1,1,1-Trichloroethane	0.0208	0.0020	mg/Kg wet	0.0200		1
1,1,2-Trichloroethane	0.0199	0.0020	mg/Kg wet	0.0200		9
Trichloroethylene	0.0204	0.0020	mg/Kg wet	0.0200		1
Trichlorofluoromethane (Freon 11)	0.0246	0.010	mg/Kg wet	0.0200		1
1,2,3-Trichloropropane	0.0192	0.0020	mg/Kg wet	0.0200		9
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0220	0.010	mg/Kg wet	0.0200		1
1,2,4-Trimethylbenzene	0.0212	0.0020	mg/Kg wet	0.0200		1
1,3,5-Trimethylbenzene	0.0221	0.0020	mg/Kg wet	0.0200		1
Vinyl Chloride	0.0187	0.010	mg/Kg wet	0.0200		9
m+p Xylene	0.0429	0.0040	mg/Kg wet	0.0400		1
o-Xylene	0.0213	0.0020	mg/Kg wet	0.0200		1
Surrogate: 1,2-Dichloroethane-d4	*0.0509*		mg/Kg wet	0.0500		1

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%
Batch B014111 - SW-846 5035						
LCS Dup (B014111-BSD1)					Prepared & Analyzed: 05/26/1	
tert-Butylbenzene	0.0213	0.0020	mg/Kg wet	0.0200		1
Carbon Disulfide	0.0226	0.0060	mg/Kg wet	0.0200		1
Carbon Tetrachloride	0.0204	0.0020	mg/Kg wet	0.0200		1
Chlorobenzene	0.0203	0.0020	mg/Kg wet	0.0200		1
Chlorodibromomethane	0.0228	0.0010	mg/Kg wet	0.0200		1
Chloroethane	0.0190	0.020	mg/Kg wet	0.0200		9
Chloroform	0.0200	0.0040	mg/Kg wet	0.0200		1
Chloromethane	0.0169	0.010	mg/Kg wet	0.0200		8
2-Chlorotoluene	0.0205	0.0020	mg/Kg wet	0.0200		1
4-Chlorotoluene	0.0211	0.0020	mg/Kg wet	0.0200		1
1,2-Dibromo-3-chloropropane (DBCP)	0.0192	0.0020	mg/Kg wet	0.0200		9
1,2-Dibromoethane (EDB)	0.0201	0.0010	mg/Kg wet	0.0200		1
Dibromomethane	0.0201	0.0020	mg/Kg wet	0.0200		1
1,2-Dichlorobenzene	0.0205	0.0020	mg/Kg wet	0.0200		1
1,3-Dichlorobenzene	0.0203	0.0020	mg/Kg wet	0.0200		1
1,4-Dichlorobenzene	0.0194	0.0020	mg/Kg wet	0.0200		9
trans-1,4-Dichloro-2-butene	0.0200	0.0040	mg/Kg wet	0.0200		9
Dichlorodifluoromethane (Freon 12)	0.0235	0.020	mg/Kg wet	0.0200		1
1,1-Dichloroethane	0.0195	0.0020	mg/Kg wet	0.0200		9
1,2-Dichloroethane	0.0195	0.0020	mg/Kg wet	0.0200		9
1,1-Dichloroethylene	0.0192	0.0040	mg/Kg wet	0.0200		9
cis-1,2-Dichloroethylene	0.0199	0.0020	mg/Kg wet	0.0200		9
trans-1,2-Dichloroethylene	0.0199	0.0020	mg/Kg wet	0.0200		9
1,2-Dichloropropane	0.0193	0.0020	mg/Kg wet	0.0200		9
1,3-Dichloropropane	0.0194	0.0010	mg/Kg wet	0.0200		9
2,2-Dichloropropane	0.0190	0.0020	mg/Kg wet	0.0200		9
1,1-Dichloropropene	0.0198	0.0020	mg/Kg wet	0.0200		9
cis-1,3-Dichloropropene	0.0195	0.0010	mg/Kg wet	0.0200		9
trans-1,3-Dichloropropene	0.0209	0.0020	mg/Kg wet	0.0200		1
Ethylbenzene	0.0208	0.0020	mg/Kg wet	0.0200		1
Hexachlorobutadiene	0.0229	0.0020	mg/Kg wet	0.0200		1
2-Hexanone (MBK)	0.181	0.020	mg/Kg wet	0.200		9
Isopropylbenzene (Cumene)	0.0246	0.0020	mg/Kg wet	0.0200		1
p-Isopropyltoluene (p-Cymene)	0.0216	0.0020	mg/Kg wet	0.0200		1
Methyl tert-Butyl Ether (MTBE)	0.0193	0.0040	mg/Kg wet	0.0200		9
Methylene Chloride	0.0191	0.020	mg/Kg wet	0.0200		9
4-Methyl-2-pentanone (MIBK)	0.189	0.020	mg/Kg wet	0.200		9
Naphthalene	0.0212	0.0040	mg/Kg wet	0.0200		1
n-Propylbenzene	0.0208	0.0020	mg/Kg wet	0.0200		1

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%
Batch B014111 - SW-846 5035						
LCS Dup (B014111-BSD1)					Prepared & Analyzed: 05/26/	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0218	0.010	mg/Kg wet	0.0200		1
1,2,4-Trimethylbenzene	0.0209	0.0020	mg/Kg wet	0.0200		1
1,3,5-Trimethylbenzene	0.0214	0.0020	mg/Kg wet	0.0200		1
Vinyl Chloride	0.0186	0.010	mg/Kg wet	0.0200		9
m+p Xylene	0.0412	0.0040	mg/Kg wet	0.0400		1
o-Xylene	0.0208	0.0020	mg/Kg wet	0.0200		1
Surrogate: 1,2-Dichloroethane-d4	*0.0502*		mg/Kg wet	0.0500		1
Surrogate: Toluene-d8	*0.0509*		mg/Kg wet	0.0500		1
Surrogate: 4-Bromofluorobenzene	*0.0490*		mg/Kg wet	0.0500		9
Batch B014135 - SW-846 5035						
Blank (B014135-BLK1)					Prepared & Analyzed: 05/26/1	
Acetone	ND	0.10	mg/Kg wet			
Acrylonitrile	ND	0.0060	mg/Kg wet			
Benzene	ND	0.0020	mg/Kg wet			
Bromobenzene	ND	0.0020	mg/Kg wet			
Bromodichloromethane	ND	0.0020	mg/Kg wet			
Bromoform	ND	0.0020	mg/Kg wet			
Bromomethane	ND	0.010	mg/Kg wet			
2-Butanone (MEK)	ND	0.040	mg/Kg wet			
n-Butylbenzene	ND	0.0020	mg/Kg wet			
sec-Butylbenzene	ND	0.0020	mg/Kg wet			
tert-Butylbenzene	ND	0.0020	mg/Kg wet			
Carbon Disulfide	ND	0.0060	mg/Kg wet			
Carbon Tetrachloride	ND	0.0020	mg/Kg wet			
Chlorobenzene	ND	0.0020	mg/Kg wet			
Chlorodibromomethane	ND	0.0010	mg/Kg wet			
Chloroethane	ND	0.020	mg/Kg wet			
Chloroform	ND	0.0040	mg/Kg wet			
Chloromethane	ND	0.010	mg/Kg wet			
2-Chlorotoluene	ND	0.0020	mg/Kg wet			
4-Chlorotoluene	ND	0.0020	mg/Kg wet			
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	mg/Kg wet			
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg wet			
Dibromomethane	ND	0.0020	mg/Kg wet			
1,2-Dichlorobenzene	ND	0.0020	mg/Kg wet			
1,3-Dichlorobenzene	ND	0.0020	mg/Kg wet			
1,4-Dichlorobenzene	ND	0.0020	mg/Kg wet			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%
Batch B014135 - SW-846 5035						
Blank (B014135-BLK1)					Prepared & Analyzed: 05/26/1	
Ethylbenzene	ND	0.0020	mg/Kg wet			
Hexachlorobutadiene	ND	0.0020	mg/Kg wet			
2-Hexanone (MBK)	ND	0.020	mg/Kg wet			
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg wet			
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg wet			
Methyl tert-Butyl Ether (MTBE)	ND	0.0040	mg/Kg wet			
Methylene Chloride	ND	0.020	mg/Kg wet			
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg wet			
Naphthalene	ND	0.0040	mg/Kg wet			
n-Propylbenzene	ND	0.0020	mg/Kg wet			
Styrene	ND	0.0020	mg/Kg wet			
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg wet			
1,1,2,2-Tetrachloroethane	ND	0.0010	mg/Kg wet			
Tetrachloroethylene	ND	0.0020	mg/Kg wet			
Tetrahydrofuran	ND	0.010	mg/Kg wet			
Toluene	ND	0.0020	mg/Kg wet			
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg wet			
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg wet			
1,1,1-Trichloroethane	ND	0.0020	mg/Kg wet			
1,1,2-Trichloroethane	ND	0.0020	mg/Kg wet			
Trichloroethylene	ND	0.0020	mg/Kg wet			
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg wet			
1,2,3-Trichloropropane	ND	0.0020	mg/Kg wet			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	mg/Kg wet			
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg wet			
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg wet			
Vinyl Chloride	ND	0.010	mg/Kg wet			
m+p Xylene	ND	0.0040	mg/Kg wet			
o-Xylene	ND	0.0020	mg/Kg wet			
Surrogate: 1,2-Dichloroethane-d4	*0.0552*		mg/Kg wet	0.0500		1
Surrogate: Toluene-d8	*0.0509*		mg/Kg wet	0.0500		1
Surrogate: 4-Bromofluorobenzene	*0.0505*		mg/Kg wet	0.0500		1
LCS (B014135-BS1)					Prepared & Analyzed: 05/26/1	
Acetone	0.294	0.10	mg/Kg wet	0.200		1
Acrylonitrile	0.0200	0.0060	mg/Kg wet	0.0200		1
Benzene	0.0194	0.0020	mg/Kg wet	0.0200		9
Bromobenzene	0.0207	0.0020	mg/Kg wet	0.0200		1

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%
Batch B014135 - SW-846 5035						
LCS (B014135-BS1)				Prepared & Analyzed: 05/26/		
2-Chlorotoluene	0.0201	0.0020	mg/Kg wet	0.0200		1
4-Chlorotoluene	0.0212	0.0020	mg/Kg wet	0.0200		1
1,2-Dibromo-3-chloropropane (DBCP)	0.0224	0.0020	mg/Kg wet	0.0200		1
1,2-Dibromoethane (EDB)	0.0222	0.0010	mg/Kg wet	0.0200		1
Dibromomethane	0.0218	0.0020	mg/Kg wet	0.0200		1
1,2-Dichlorobenzene	0.0207	0.0020	mg/Kg wet	0.0200		1
1,3-Dichlorobenzene	0.0196	0.0020	mg/Kg wet	0.0200		9
1,4-Dichlorobenzene	0.0193	0.0020	mg/Kg wet	0.0200		9
trans-1,4-Dichloro-2-butene	0.0228	0.0040	mg/Kg wet	0.0200		1
Dichlorodifluoromethane (Freon 12)	0.0219	0.020	mg/Kg wet	0.0200		1
1,1-Dichloroethane	0.0193	0.0020	mg/Kg wet	0.0200		9
1,2-Dichloroethane	0.0210	0.0020	mg/Kg wet	0.0200		1
1,1-Dichloroethylene	0.0174	0.0040	mg/Kg wet	0.0200		8
cis-1,2-Dichloroethylene	0.0202	0.0020	mg/Kg wet	0.0200		1
trans-1,2-Dichloroethylene	0.0195	0.0020	mg/Kg wet	0.0200		9
1,2-Dichloropropane	0.0194	0.0020	mg/Kg wet	0.0200		9
1,3-Dichloropropane	0.0210	0.0010	mg/Kg wet	0.0200		1
2,2-Dichloropropane	0.0183	0.0020	mg/Kg wet	0.0200		9
1,1-Dichloropropene	0.0194	0.0020	mg/Kg wet	0.0200		9
cis-1,3-Dichloropropene	0.0201	0.0010	mg/Kg wet	0.0200		1
trans-1,3-Dichloropropene	0.0226	0.0020	mg/Kg wet	0.0200		1
Ethylbenzene	0.0196	0.0020	mg/Kg wet	0.0200		9
Hexachlorobutadiene	0.0222	0.0020	mg/Kg wet	0.0200		1
2-Hexanone (MBK)	0.255	0.020	mg/Kg wet	0.200		1
Isopropylbenzene (Cumene)	0.0229	0.0020	mg/Kg wet	0.0200		1
p-Isopropyltoluene (p-Cymene)	0.0197	0.0020	mg/Kg wet	0.0200		9
Methyl tert-Butyl Ether (MTBE)	0.0220	0.0040	mg/Kg wet	0.0200		1
Methylene Chloride	0.0213	0.020	mg/Kg wet	0.0200		1
4-Methyl-2-pentanone (MIBK)	0.244	0.020	mg/Kg wet	0.200		1
Naphthalene	0.0258	0.0040	mg/Kg wet	0.0200		1
n-Propylbenzene	0.0202	0.0020	mg/Kg wet	0.0200		1
Styrene	0.0206	0.0020	mg/Kg wet	0.0200		1
1,1,1,2-Tetrachloroethane	0.0203	0.0020	mg/Kg wet	0.0200		1
1,1,2,2-Tetrachloroethane	0.0233	0.0010	mg/Kg wet	0.0200		1
Tetrachloroethylene	0.0201	0.0020	mg/Kg wet	0.0200		1
Tetrahydrofuran	0.0239	0.010	mg/Kg wet	0.0200		1
Toluene	0.0188	0.0020	mg/Kg wet	0.0200		9
1,2,3-Trichlorobenzene	0.0257	0.0020	mg/Kg wet	0.0200		1
1,2,4-Trichlorobenzene	0.0249	0.0020	mg/Kg wet	0.0200		1

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%
Batch B014135 - SW-846 5035						
LCS (B014135-BS1)					Prepared & Analyzed: 05/26/1	
Surrogate: Toluene-d8	*0.0519*		mg/Kg wet	0.0500		1
Surrogate: 4-Bromofluorobenzene	*0.0514*		mg/Kg wet	0.0500		1
LCS Dup (B014135-BSD1)					Prepared & Analyzed: 05/26/1	
Acetone	0.273	0.10	mg/Kg wet	0.200		1
Acrylonitrile	0.0217	0.0060	mg/Kg wet	0.0200		1
Benzene	0.0185	0.0020	mg/Kg wet	0.0200		9
Bromobenzene	0.0203	0.0020	mg/Kg wet	0.0200		1
Bromodichloromethane	0.0193	0.0020	mg/Kg wet	0.0200		9
Bromoform	0.0246	0.0020	mg/Kg wet	0.0200		1
Bromomethane	0.00994	0.010	mg/Kg wet	0.0200		4
2-Butanone (MEK)	0.252	0.040	mg/Kg wet	0.200		1
n-Butylbenzene	0.0198	0.0020	mg/Kg wet	0.0200		9
sec-Butylbenzene	0.0191	0.0020	mg/Kg wet	0.0200		9
tert-Butylbenzene	0.0186	0.0020	mg/Kg wet	0.0200		9
Carbon Disulfide	0.0205	0.0060	mg/Kg wet	0.0200		1
Carbon Tetrachloride	0.0189	0.0020	mg/Kg wet	0.0200		9
Chlorobenzene	0.0197	0.0020	mg/Kg wet	0.0200		9
Chlorodibromomethane	0.0236	0.0010	mg/Kg wet	0.0200		1
Chloroethane	0.0154	0.020	mg/Kg wet	0.0200		7
Chloroform	0.0197	0.0040	mg/Kg wet	0.0200		9
Chloromethane	0.0147	0.010	mg/Kg wet	0.0200		7
2-Chlorotoluene	0.0200	0.0020	mg/Kg wet	0.0200		1
4-Chlorotoluene	0.0210	0.0020	mg/Kg wet	0.0200		1
1,2-Dibromo-3-chloropropane (DBCP)	0.0213	0.0020	mg/Kg wet	0.0200		1
1,2-Dibromoethane (EDB)	0.0209	0.0010	mg/Kg wet	0.0200		1
Dibromomethane	0.0211	0.0020	mg/Kg wet	0.0200		1
1,2-Dichlorobenzene	0.0201	0.0020	mg/Kg wet	0.0200		1
1,3-Dichlorobenzene	0.0196	0.0020	mg/Kg wet	0.0200		9
1,4-Dichlorobenzene	0.0188	0.0020	mg/Kg wet	0.0200		9
trans-1,4-Dichloro-2-butene	0.0223	0.0040	mg/Kg wet	0.0200		1
Dichlorodifluoromethane (Freon 12)	0.0211	0.020	mg/Kg wet	0.0200		1
1,1-Dichloroethane	0.0187	0.0020	mg/Kg wet	0.0200		9
1,2-Dichloroethane	0.0202	0.0020	mg/Kg wet	0.0200		1
1,1-Dichloroethylene	0.0169	0.0040	mg/Kg wet	0.0200		8
cis-1,2-Dichloroethylene	0.0195	0.0020	mg/Kg wet	0.0200		9
trans-1,2-Dichloroethylene	0.0190	0.0020	mg/Kg wet	0.0200		9
1,2-Dichloropropane	0.0189	0.0020	mg/Kg wet	0.0200		9
1,3-Dichloropropane	0.0205	0.0010	mg/Kg wet	0.0200		1

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Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%
Batch B014135 - SW-846 5035						
LCS Dup (B014135-BSD1)					Prepared & Analyzed: 05/26/1	
n-Propylbenzene	0.0200	0.0020	mg/Kg wet	0.0200		1
Styrene	0.0202	0.0020	mg/Kg wet	0.0200		1
1,1,1,2-Tetrachloroethane	0.0203	0.0020	mg/Kg wet	0.0200		1
1,1,2,2-Tetrachloroethane	0.0223	0.0010	mg/Kg wet	0.0200		1
Tetrachloroethylene	0.0199	0.0020	mg/Kg wet	0.0200		9
Tetrahydrofuran	0.0231	0.010	mg/Kg wet	0.0200		1
Toluene	0.0184	0.0020	mg/Kg wet	0.0200		9
1,2,3-Trichlorobenzene	0.0245	0.0020	mg/Kg wet	0.0200		1
1,2,4-Trichlorobenzene	0.0237	0.0020	mg/Kg wet	0.0200		1
1,1,1-Trichloroethane	0.0190	0.0020	mg/Kg wet	0.0200		9
1,1,2-Trichloroethane	0.0207	0.0020	mg/Kg wet	0.0200		1
Trichloroethylene	0.0190	0.0020	mg/Kg wet	0.0200		9
Trichlorofluoromethane (Freon 11)	0.0223	0.010	mg/Kg wet	0.0200		1
1,2,3-Trichloropropane	0.0210	0.0020	mg/Kg wet	0.0200		1
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0192	0.010	mg/Kg wet	0.0200		9
1,2,4-Trimethylbenzene	0.0191	0.0020	mg/Kg wet	0.0200		9
1,3,5-Trimethylbenzene	0.0207	0.0020	mg/Kg wet	0.0200		1
Vinyl Chloride	0.0158	0.010	mg/Kg wet	0.0200		7
m+p Xylene	0.0398	0.0040	mg/Kg wet	0.0400		9
o-Xylene	0.0201	0.0020	mg/Kg wet	0.0200		1
Surrogate: 1,2-Dichloroethane-d4	*0.0545*		mg/Kg wet	0.0500		1
Surrogate: Toluene-d8	*0.0515*		mg/Kg wet	0.0500		1
Surrogate: 4-Bromofluorobenzene	*0.0511*		mg/Kg wet	0.0500		1
Batch B014150 - SW-846 5035						
Blank (B014150-BLK1)					Prepared & Analyzed: 05/27/1	
Acetone	ND	0.10	mg/Kg wet			
Acrylonitrile	ND	0.0060	mg/Kg wet			
Benzene	ND	0.0020	mg/Kg wet			
Bromobenzene	ND	0.0020	mg/Kg wet			
Bromodichloromethane	ND	0.0020	mg/Kg wet			
Bromoform	ND	0.0020	mg/Kg wet			
Bromomethane	ND	0.010	mg/Kg wet			
2-Butanone (MEK)	ND	0.040	mg/Kg wet			
n-Butylbenzene	ND	0.0020	mg/Kg wet			
sec-Butylbenzene	ND	0.0020	mg/Kg wet			
tert-Butylbenzene	ND	0.0020	mg/Kg wet			
Carbon Disulfide	ND	0.0060	mg/Kg wet			

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%
Batch B014150 - SW-846 5035						
Blank (B014150-BLK1)					Prepared & Analyzed: 05/27/1	
1,4-Dichlorobenzene	ND	0.0020	mg/Kg wet			
trans-1,4-Dichloro-2-butene	ND	0.0040	mg/Kg wet			
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg wet			
1,1-Dichloroethane	ND	0.0020	mg/Kg wet			
1,2-Dichloroethane	ND	0.0020	mg/Kg wet			
1,1-Dichloroethylene	ND	0.0040	mg/Kg wet			
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet			
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet			
1,2-Dichloropropane	ND	0.0020	mg/Kg wet			
1,3-Dichloropropane	ND	0.0010	mg/Kg wet			
2,2-Dichloropropane	ND	0.0020	mg/Kg wet			
1,1-Dichloropropene	ND	0.0020	mg/Kg wet			
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg wet			
trans-1,3-Dichloropropene	ND	0.0020	mg/Kg wet			
Ethylbenzene	ND	0.0020	mg/Kg wet			
Hexachlorobutadiene	ND	0.0020	mg/Kg wet			
2-Hexanone (MBK)	ND	0.020	mg/Kg wet			
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg wet			
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg wet			
Methyl tert-Butyl Ether (MTBE)	ND	0.0040	mg/Kg wet			
Methylene Chloride	ND	0.020	mg/Kg wet			
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg wet			
Naphthalene	ND	0.0040	mg/Kg wet			
n-Propylbenzene	ND	0.0020	mg/Kg wet			
Styrene	ND	0.0020	mg/Kg wet			
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg wet			
1,1,2,2-Tetrachloroethane	ND	0.0010	mg/Kg wet			
Tetrachloroethylene	ND	0.0020	mg/Kg wet			
Tetrahydrofuran	ND	0.010	mg/Kg wet			
Toluene	ND	0.0020	mg/Kg wet			
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg wet			
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg wet			
1,1,1-Trichloroethane	ND	0.0020	mg/Kg wet			
1,1,2-Trichloroethane	ND	0.0020	mg/Kg wet			
Trichloroethylene	ND	0.0020	mg/Kg wet			
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg wet			
1,2,3-Trichloropropane	ND	0.0020	mg/Kg wet			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	mg/Kg wet			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%
Batch B014150 - SW-846 5035						
LCS (B014150-BS1)					Prepared & Analyzed: 05/27/	
Acetone	0.255	0.10	mg/Kg wet	0.200		1
Acrylonitrile	0.0198	0.0060	mg/Kg wet	0.0200		9
Benzene	0.0201	0.0020	mg/Kg wet	0.0200		1
Bromobenzene	0.0209	0.0020	mg/Kg wet	0.0200		1
Bromodichloromethane	0.0222	0.0020	mg/Kg wet	0.0200		1
Bromoform	0.0257	0.0020	mg/Kg wet	0.0200		1
Bromomethane	0.0112	0.010	mg/Kg wet	0.0200		5
2-Butanone (MEK)	0.220	0.040	mg/Kg wet	0.200		1
n-Butylbenzene	0.0220	0.0020	mg/Kg wet	0.0200		1
sec-Butylbenzene	0.0214	0.0020	mg/Kg wet	0.0200		1
tert-Butylbenzene	0.0212	0.0020	mg/Kg wet	0.0200		1
Carbon Disulfide	0.0233	0.0060	mg/Kg wet	0.0200		1
Carbon Tetrachloride	0.0217	0.0020	mg/Kg wet	0.0200		1
Chlorobenzene	0.0207	0.0020	mg/Kg wet	0.0200		1
Chlorodibromomethane	0.0260	0.0010	mg/Kg wet	0.0200		1
Chloroethane	0.0191	0.020	mg/Kg wet	0.0200		9
Chloroform	0.0212	0.0040	mg/Kg wet	0.0200		1
Chloromethane	0.0168	0.010	mg/Kg wet	0.0200		8
2-Chlorotoluene	0.0209	0.0020	mg/Kg wet	0.0200		1
4-Chlorotoluene	0.0219	0.0020	mg/Kg wet	0.0200		1
1,2-Dibromo-3-chloropropane (DBCP)	0.0225	0.0020	mg/Kg wet	0.0200		1
1,2-Dibromoethane (EDB)	0.0214	0.0010	mg/Kg wet	0.0200		1
Dibromomethane	0.0209	0.0020	mg/Kg wet	0.0200		1
1,2-Dichlorobenzene	0.0209	0.0020	mg/Kg wet	0.0200		1
1,3-Dichlorobenzene	0.0205	0.0020	mg/Kg wet	0.0200		1
1,4-Dichlorobenzene	0.0198	0.0020	mg/Kg wet	0.0200		9
trans-1,4-Dichloro-2-butene	0.0215	0.0040	mg/Kg wet	0.0200		1
Dichlorodifluoromethane (Freon 12)	0.0218	0.020	mg/Kg wet	0.0200		1
1,1-Dichloroethane	0.0204	0.0020	mg/Kg wet	0.0200		1
1,2-Dichloroethane	0.0205	0.0020	mg/Kg wet	0.0200		1
1,1-Dichloroethylene	0.0199	0.0040	mg/Kg wet	0.0200		9
cis-1,2-Dichloroethylene	0.0204	0.0020	mg/Kg wet	0.0200		1
trans-1,2-Dichloroethylene	0.0203	0.0020	mg/Kg wet	0.0200		1
1,2-Dichloropropane	0.0201	0.0020	mg/Kg wet	0.0200		1
1,3-Dichloropropane	0.0200	0.0010	mg/Kg wet	0.0200		1
2,2-Dichloropropane	0.0213	0.0020	mg/Kg wet	0.0200		1
1,1-Dichloropropene	0.0209	0.0020	mg/Kg wet	0.0200		1
cis-1,3-Dichloropropene	0.0222	0.0010	mg/Kg wet	0.0200		1
trans-1,3-Dichloropropene	0.0243	0.0020	mg/Kg wet	0.0200		1

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%
Batch B014150 - SW-846 5035						
LCS (B014150-BS1)					Prepared & Analyzed: 05/27/1	
Tetrachloroethylene	0.0213	0.0020	mg/Kg wet	0.0200		1
Tetrahydrofuran	0.0214	0.010	mg/Kg wet	0.0200		1
Toluene	0.0193	0.0020	mg/Kg wet	0.0200		9
1,2,3-Trichlorobenzene	0.0235	0.0020	mg/Kg wet	0.0200		1
1,2,4-Trichlorobenzene	0.0235	0.0020	mg/Kg wet	0.0200		1
1,1,1-Trichloroethane	0.0222	0.0020	mg/Kg wet	0.0200		1
1,1,2-Trichloroethane	0.0200	0.0020	mg/Kg wet	0.0200		9
Trichloroethylene	0.0209	0.0020	mg/Kg wet	0.0200		1
Trichlorofluoromethane (Freon 11)	0.0249	0.010	mg/Kg wet	0.0200		1
1,2,3-Trichloropropane	0.0197	0.0020	mg/Kg wet	0.0200		9
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0225	0.010	mg/Kg wet	0.0200		1
1,2,4-Trimethylbenzene	0.0211	0.0020	mg/Kg wet	0.0200		1
1,3,5-Trimethylbenzene	0.0218	0.0020	mg/Kg wet	0.0200		1
Vinyl Chloride	0.0182	0.010	mg/Kg wet	0.0200		9
m+p Xylene	0.0416	0.0040	mg/Kg wet	0.0400		1
o-Xylene	0.0210	0.0020	mg/Kg wet	0.0200		1
Surrogate: 1,2-Dichloroethane-d4	*0.0516*		mg/Kg wet	0.0500		1
Surrogate: Toluene-d8	*0.0510*		mg/Kg wet	0.0500		1
Surrogate: 4-Bromofluorobenzene	*0.0500*		mg/Kg wet	0.0500		1
LCS Dup (B014150-BSD1)					Prepared & Analyzed: 05/27/1	
Acetone	0.237	0.10	mg/Kg wet	0.200		1
Acrylonitrile	0.0187	0.0060	mg/Kg wet	0.0200		9
Benzene	0.0192	0.0020	mg/Kg wet	0.0200		9
Bromobenzene	0.0198	0.0020	mg/Kg wet	0.0200		9
Bromodichloromethane	0.0204	0.0020	mg/Kg wet	0.0200		1
Bromoform	0.0236	0.0020	mg/Kg wet	0.0200		1
Bromomethane	0.0118	0.010	mg/Kg wet	0.0200		5
2-Butanone (MEK)	0.205	0.040	mg/Kg wet	0.200		1
n-Butylbenzene	0.0212	0.0020	mg/Kg wet	0.0200		1
sec-Butylbenzene	0.0206	0.0020	mg/Kg wet	0.0200		1
tert-Butylbenzene	0.0205	0.0020	mg/Kg wet	0.0200		1
Carbon Disulfide	0.0218	0.0060	mg/Kg wet	0.0200		1
Carbon Tetrachloride	0.0201	0.0020	mg/Kg wet	0.0200		1
Chlorobenzene	0.0200	0.0020	mg/Kg wet	0.0200		1
Chlorodibromomethane	0.0245	0.0010	mg/Kg wet	0.0200		1
Chloroethane	0.0181	0.020	mg/Kg wet	0.0200		9
Chloroform	0.0200	0.0040	mg/Kg wet	0.0200		1
Chloromethane	0.0161	0.010	mg/Kg wet	0.0200		8

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Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	S
Batch B014150 - SW-846 5035						
LCS Dup (B014150-BSD1)					Prepared & Analyzed: 05/27/	
cis-1,2-Dichloroethylene	0.0197	0.0020	mg/Kg wet	0.0200		9
trans-1,2-Dichloroethylene	0.0194	0.0020	mg/Kg wet	0.0200		9
1,2-Dichloropropane	0.0187	0.0020	mg/Kg wet	0.0200		9
1,3-Dichloropropane	0.0189	0.0010	mg/Kg wet	0.0200		9
2,2-Dichloropropane	0.0200	0.0020	mg/Kg wet	0.0200		
1,1-Dichloropropene	0.0196	0.0020	mg/Kg wet	0.0200		9
cis-1,3-Dichloropropene	0.0210	0.0010	mg/Kg wet	0.0200		
trans-1,3-Dichloropropene	0.0228	0.0020	mg/Kg wet	0.0200		
Ethylbenzene	0.0202	0.0020	mg/Kg wet	0.0200		
Hexachlorobutadiene	0.0229	0.0020	mg/Kg wet	0.0200		
2-Hexanone (MBK)	0.192	0.020	mg/Kg wet	0.200		9
Isopropylbenzene (Cumene)	0.0239	0.0020	mg/Kg wet	0.0200		
p-Isopropyltoluene (p-Cymene)	0.0210	0.0020	mg/Kg wet	0.0200		
Methyl tert-Butyl Ether (MTBE)	0.0195	0.0040	mg/Kg wet	0.0200		9
Methylene Chloride	0.0188	0.020	mg/Kg wet	0.0200		9
4-Methyl-2-pentanone (MIBK)	0.189	0.020	mg/Kg wet	0.200		9
Naphthalene	0.0204	0.0040	mg/Kg wet	0.0200		
n-Propylbenzene	0.0205	0.0020	mg/Kg wet	0.0200		
Styrene	0.0204	0.0020	mg/Kg wet	0.0200		
1,1,1,2-Tetrachloroethane	0.0206	0.0020	mg/Kg wet	0.0200		
1,1,2,2-Tetrachloroethane	0.0191	0.0010	mg/Kg wet	0.0200		9
Tetrachloroethylene	0.0205	0.0020	mg/Kg wet	0.0200		
Tetrahydrofuran	0.0201	0.010	mg/Kg wet	0.0200		
Toluene	0.0190	0.0020	mg/Kg wet	0.0200		9
1,2,3-Trichlorobenzene	0.0219	0.0020	mg/Kg wet	0.0200		
1,2,4-Trichlorobenzene	0.0221	0.0020	mg/Kg wet	0.0200		
1,1,1-Trichloroethane	0.0206	0.0020	mg/Kg wet	0.0200		
1,1,2-Trichloroethane	0.0195	0.0020	mg/Kg wet	0.0200		9
Trichloroethylene	0.0197	0.0020	mg/Kg wet	0.0200		9
Trichlorofluoromethane (Freon 11)	0.0229	0.010	mg/Kg wet	0.0200		
1,2,3-Trichloropropane	0.0182	0.0020	mg/Kg wet	0.0200		9
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0211	0.010	mg/Kg wet	0.0200		
1,2,4-Trimethylbenzene	0.0203	0.0020	mg/Kg wet	0.0200		
1,3,5-Trimethylbenzene	0.0210	0.0020	mg/Kg wet	0.0200		
Vinyl Chloride	0.0176	0.010	mg/Kg wet	0.0200		8
m+p Xylene	0.0405	0.0040	mg/Kg wet	0.0400		
o-Xylene	0.0202	0.0020	mg/Kg wet	0.0200		
Surrogate: 1,2-Dichloroethane-d4	*0.0516*		mg/Kg wet	0.0500		

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%
Batch B014177 - SW-846 5035						
Blank (B014177-BLK1)					Prepared & Analyzed: 05/27/1	
n-Butylbenzene	ND	0.051	mg/Kg wet			
sec-Butylbenzene	ND	0.051	mg/Kg wet			
tert-Butylbenzene	ND	0.051	mg/Kg wet			
Carbon Disulfide	ND	0.15	mg/Kg wet			
Carbon Tetrachloride	ND	0.20	mg/Kg wet			
Chlorobenzene	ND	0.051	mg/Kg wet			
Chlorodibromomethane	ND	0.10	mg/Kg wet			
Chloroethane	ND	0.10	mg/Kg wet			
Chloroform	ND	0.10	mg/Kg wet			
Chloromethane	ND	0.10	mg/Kg wet			
2-Chlorotoluene	ND	0.051	mg/Kg wet			
4-Chlorotoluene	ND	0.051	mg/Kg wet			
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.51	mg/Kg wet			
1,2-Dibromoethane (EDB)	ND	0.025	mg/Kg wet			
Dibromomethane	ND	0.051	mg/Kg wet			
1,2-Dichlorobenzene	ND	0.051	mg/Kg wet			
1,3-Dichlorobenzene	ND	0.051	mg/Kg wet			
1,4-Dichlorobenzene	ND	0.051	mg/Kg wet			
trans-1,4-Dichloro-2-butene	ND	0.10	mg/Kg wet			
Dichlorodifluoromethane (Freon 12)	ND	0.10	mg/Kg wet			
1,1-Dichloroethane	ND	0.051	mg/Kg wet			
1,2-Dichloroethane	ND	0.051	mg/Kg wet			
1,1-Dichloroethylene	ND	0.051	mg/Kg wet			
cis-1,2-Dichloroethylene	ND	0.051	mg/Kg wet			
trans-1,2-Dichloroethylene	ND	0.051	mg/Kg wet			
1,2-Dichloropropane	ND	0.051	mg/Kg wet			
1,3-Dichloropropane	ND	0.025	mg/Kg wet			
2,2-Dichloropropane	ND	0.051	mg/Kg wet			
1,1-Dichloropropene	ND	0.10	mg/Kg wet			
cis-1,3-Dichloropropene	ND	0.025	mg/Kg wet			
trans-1,3-Dichloropropene	ND	0.025	mg/Kg wet			
Ethylbenzene	ND	0.051	mg/Kg wet			
Hexachlorobutadiene	ND	0.051	mg/Kg wet			
2-Hexanone (MBK)	ND	0.51	mg/Kg wet			
Isopropylbenzene (Cumene)	ND	0.051	mg/Kg wet			
p-Isopropyltoluene (p-Cymene)	ND	0.051	mg/Kg wet			
Methyl tert-Butyl Ether (MTBE)	ND	0.051	mg/Kg wet			
Methylene Chloride	ND	0.25	mg/Kg wet			
4-Methyl-2-pentanone (MIBK)	ND	0.51	mg/Kg wet			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	
Batch B014177 - SW-846 5035						
Blank (B014177-BLK1)					Prepared & Analyzed: 05/27/	
Trichlorofluoromethane (Freon 11)	ND	0.10	mg/Kg wet			
1,2,3-Trichloropropane	ND	0.10	mg/Kg wet			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.051	mg/Kg wet			
1,2,4-Trimethylbenzene	ND	0.051	mg/Kg wet			
1,3,5-Trimethylbenzene	ND	0.051	mg/Kg wet			
Vinyl Chloride	ND	0.10	mg/Kg wet			
m+p Xylene	ND	0.10	mg/Kg wet			
o-Xylene	ND	0.051	mg/Kg wet			
Surrogate: 1,2-Dichloroethane-d4	*1.52*		mg/Kg wet	1.33		
Surrogate: Toluene-d8	*1.22*		mg/Kg wet	1.33		
Surrogate: 4-Bromofluorobenzene	*0.990*		mg/Kg wet	1.33		
LCS (B014177-BS1)					Prepared & Analyzed: 05/27/	
Acetone	65.7	12	mg/Kg wet	48.0		
Acrylonitrile	4.16	1.2	mg/Kg wet	4.80		
Benzene	4.14	0.24	mg/Kg wet	4.80		
Bromobenzene	3.73	0.24	mg/Kg wet	4.80		
Bromodichloromethane	4.77	0.24	mg/Kg wet	4.80		
Bromoform	3.49	4.8	mg/Kg wet	4.80		
Bromomethane	2.03	0.48	mg/Kg wet	4.80		
2-Butanone (MEK)	49.1	4.8	mg/Kg wet	48.0		
n-Butylbenzene	3.97	0.24	mg/Kg wet	4.80		
sec-Butylbenzene	3.99	0.24	mg/Kg wet	4.80		
tert-Butylbenzene	3.95	0.24	mg/Kg wet	4.80		
Carbon Disulfide	5.10	0.72	mg/Kg wet	4.80		
Carbon Tetrachloride	4.86	0.96	mg/Kg wet	4.80		
Chlorobenzene	3.47	0.24	mg/Kg wet	4.80		
Chlorodibromomethane	5.63	0.48	mg/Kg wet	4.80		
Chloroethane	4.95	0.48	mg/Kg wet	4.80		
Chloroform	4.48	0.48	mg/Kg wet	4.80		
Chloromethane	3.73	0.48	mg/Kg wet	4.80		
2-Chlorotoluene	3.66	0.24	mg/Kg wet	4.80		
4-Chlorotoluene	3.78	0.24	mg/Kg wet	4.80		
1,2-Dibromo-3-chloropropane (DBCP)	3.49	2.4	mg/Kg wet	4.80		
1,2-Dibromoethane (EDB)	3.87	0.12	mg/Kg wet	4.80		
Dibromomethane	3.95	0.24	mg/Kg wet	4.80		
1,2-Dichlorobenzene	3.84	0.24	mg/Kg wet	4.80		
1,3-Dichlorobenzene	3.91	0.24	mg/Kg wet	4.80		

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%I
Batch B014177 - SW-846 5035						
LCS (B014177-BS1)					Prepared & Analyzed: 05/27/10	
Ethylbenzene	3.75	0.24	mg/Kg wet	4.80		78
Hexachlorobutadiene	3.70	0.24	mg/Kg wet	4.80		77
2-Hexanone (MBK)	46.8	2.4	mg/Kg wet	48.0		97
Isopropylbenzene (Cumene)	4.31	0.24	mg/Kg wet	4.80		89
p-Isopropyltoluene (p-Cymene)	3.95	0.24	mg/Kg wet	4.80		82
Methyl tert-Butyl Ether (MTBE)	4.37	0.24	mg/Kg wet	4.80		91
Methylene Chloride	4.69	1.2	mg/Kg wet	4.80		97
4-Methyl-2-pentanone (MIBK)	42.3	2.4	mg/Kg wet	48.0		88
Naphthalene	2.72	0.48	mg/Kg wet	4.80		56
n-Propylbenzene	3.62	0.24	mg/Kg wet	4.80		75
Styrene	3.77	0.24	mg/Kg wet	4.80		78
1,1,1,2-Tetrachloroethane	4.43	0.48	mg/Kg wet	4.80		92
1,1,2,2-Tetrachloroethane	3.26	0.12	mg/Kg wet	4.80		67
Tetrachloroethylene	4.10	0.24	mg/Kg wet	4.80		85
Tetrahydrofuran	3.67	2.4	mg/Kg wet	4.80		76
Toluene	4.10	0.24	mg/Kg wet	4.80		85
1,2,3-Trichlorobenzene	3.30	1.2	mg/Kg wet	4.80		68
1,2,4-Trichlorobenzene	3.62	0.24	mg/Kg wet	4.80		75
1,1,1-Trichloroethane	4.59	0.24	mg/Kg wet	4.80		95
1,1,2-Trichloroethane	3.86	0.24	mg/Kg wet	4.80		80
Trichloroethylene	4.29	0.24	mg/Kg wet	4.80		89
Trichlorofluoromethane (Freon 11)	5.06	0.48	mg/Kg wet	4.80		105
1,2,3-Trichloropropane	3.05	0.48	mg/Kg wet	4.80		63
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	4.89	0.24	mg/Kg wet	4.80		102
1,2,4-Trimethylbenzene	4.21	0.24	mg/Kg wet	4.80		87
1,3,5-Trimethylbenzene	3.74	0.24	mg/Kg wet	4.80		78
Vinyl Chloride	4.26	0.48	mg/Kg wet	4.80		88
m+p Xylene	7.59	0.48	mg/Kg wet	9.60		79
o-Xylene	3.70	0.24	mg/Kg wet	4.80		77
Surrogate: 1,2-Dichloroethane-d4	*6.68*		mg/Kg wet	5.33		125
Surrogate: Toluene-d8	*6.23*		mg/Kg wet	5.33		117
Surrogate: 4-Bromofluorobenzene	*5.64*		mg/Kg wet	5.33		106
LCS Dup (B014177-BSD1)					Prepared & Analyzed: 05/27/10	
Acetone	73.9	12	mg/Kg wet	48.0		154
Acrylonitrile	4.30	1.2	mg/Kg wet	4.80		89.6
Benzene	5.02	0.24	mg/Kg wet	4.80		105
Bromobenzene	4.60	0.24	mg/Kg wet	4.80		95.8
Bromodichloromethane	5.71	0.24	mg/Kg wet	4.80		119

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%
Batch B014177 - SW-846 5035						
LCS Dup (B014177-BSD1)					Prepared & Analyzed: 05/27/	
2-Chlorotoluene	4.45	0.24	mg/Kg wet	4.80		9
4-Chlorotoluene	4.61	0.24	mg/Kg wet	4.80		9
1,2-Dibromo-3-chloropropane (DBCP)	4.25	2.4	mg/Kg wet	4.80		8
1,2-Dibromoethane (EDB)	4.56	0.12	mg/Kg wet	4.80		9
Dibromomethane	4.77	0.24	mg/Kg wet	4.80		9
1,2-Dichlorobenzene	4.73	0.24	mg/Kg wet	4.80		9
1,3-Dichlorobenzene	4.83	0.24	mg/Kg wet	4.80		1
1,4-Dichlorobenzene	4.68	0.24	mg/Kg wet	4.80		9
trans-1,4-Dichloro-2-butene	3.59	0.48	mg/Kg wet	4.80		7
Dichlorodifluoromethane (Freon 12)	5.67	0.48	mg/Kg wet	4.80		1
1,1-Dichloroethane	4.97	0.24	mg/Kg wet	4.80		1
1,2-Dichloroethane	5.30	0.24	mg/Kg wet	4.80		1
1,1-Dichloroethylene	6.03	0.24	mg/Kg wet	4.80		1
cis-1,2-Dichloroethylene	5.04	0.24	mg/Kg wet	4.80		1
trans-1,2-Dichloroethylene	5.15	0.24	mg/Kg wet	4.80		1
1,2-Dichloropropane	4.60	0.24	mg/Kg wet	4.80		9
1,3-Dichloropropane	4.76	0.12	mg/Kg wet	4.80		9
2,2-Dichloropropane	4.07	0.24	mg/Kg wet	4.80		8
1,1-Dichloropropene	5.26	0.48	mg/Kg wet	4.80		1
cis-1,3-Dichloropropene	5.01	0.12	mg/Kg wet	4.80		1
trans-1,3-Dichloropropene	5.86	0.12	mg/Kg wet	4.80		1
Ethylbenzene	4.52	0.24	mg/Kg wet	4.80		9
Hexachlorobutadiene	4.70	0.24	mg/Kg wet	4.80		9
2-Hexanone (MBK)	52.8	2.4	mg/Kg wet	48.0		1
Isopropylbenzene (Cumene)	5.12	0.24	mg/Kg wet	4.80		1
p-Isopropyltoluene (p-Cymene)	4.74	0.24	mg/Kg wet	4.80		9
Methyl tert-Butyl Ether (MTBE)	4.87	0.24	mg/Kg wet	4.80		1
Methylene Chloride	5.61	1.2	mg/Kg wet	4.80		1
4-Methyl-2-pentanone (MIBK)	49.9	2.4	mg/Kg wet	48.0		1
Naphthalene	3.33	0.48	mg/Kg wet	4.80		6
n-Propylbenzene	4.41	0.24	mg/Kg wet	4.80		9
Styrene	4.50	0.24	mg/Kg wet	4.80		9
1,1,1,2-Tetrachloroethane	5.39	0.48	mg/Kg wet	4.80		1
1,1,2,2-Tetrachloroethane	4.05	0.12	mg/Kg wet	4.80		8
Tetrachloroethylene	4.83	0.24	mg/Kg wet	4.80		1
Tetrahydrofuran	4.47	2.4	mg/Kg wet	4.80		9
Toluene	4.89	0.24	mg/Kg wet	4.80		1
1,2,3-Trichlorobenzene	4.09	1.2	mg/Kg wet	4.80		8
1,2,4-Trichlorobenzene	4.56	0.24	mg/Kg wet	4.80		9

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%
Batch B014177 - SW-846 5035						
LCS Dup (B014177-BSD1)					Prepared & Analyzed: 05/27/1	
Surrogate: Toluene-d8	*6.19*		mg/Kg wet	5.33		1
Surrogate: 4-Bromofluorobenzene	*5.60*		mg/Kg wet	5.33		1

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%
Batch B014248 - SW-846 3546						
Blank (B014248-BLK1)				Prepared: 05/28/10 Analyzed		
Acenaphthene	ND	0.17	mg/Kg wet			
Acenaphthylene	ND	0.17	mg/Kg wet			
Anthracene	ND	0.17	mg/Kg wet			
Benzo(a)anthracene	ND	0.17	mg/Kg wet			
Benzo(a)pyrene	ND	0.17	mg/Kg wet			
Benzo(b)fluoranthene	ND	0.17	mg/Kg wet			
Benzo(g,h,i)perylene	ND	0.17	mg/Kg wet			
Benzo(k)fluoranthene	ND	0.17	mg/Kg wet			
Chrysene	ND	0.17	mg/Kg wet			
Dibenz(a,h)anthracene	ND	0.17	mg/Kg wet			
Fluoranthene	ND	0.17	mg/Kg wet			
Fluorene	ND	0.17	mg/Kg wet			
Indeno(1,2,3-cd)pyrene	ND	0.17	mg/Kg wet			
2-Methylnaphthalene	ND	0.17	mg/Kg wet			
Naphthalene	ND	0.17	mg/Kg wet			
Phenanthrene	ND	0.17	mg/Kg wet			
Pyrene	ND	0.17	mg/Kg wet			
Surrogate: Nitrobenzene-d5	*2.01*		mg/Kg wet	3.33		6
Surrogate: 2-Fluorobiphenyl	*2.27*		mg/Kg wet	3.33		6
Surrogate: Terphenyl-d14	*1.92*		mg/Kg wet	3.33		5
LCS (B014248-BS1)				Prepared: 05/28/10 Analyzed		
Acenaphthene	0.989	0.17	mg/Kg wet	1.67		5
Acenaphthylene	1.01	0.17	mg/Kg wet	1.67		6
Anthracene	1.02	0.17	mg/Kg wet	1.67		6
Benzo(a)anthracene	1.05	0.17	mg/Kg wet	1.67		6
Benzo(a)pyrene	1.08	0.17	mg/Kg wet	1.67		6
Benzo(b)fluoranthene	0.938	0.17	mg/Kg wet	1.67		5
Benzo(g,h,i)perylene	1.18	0.17	mg/Kg wet	1.67		7
Benzo(k)fluoranthene	1.01	0.17	mg/Kg wet	1.67		6
Chrysene	1.06	0.17	mg/Kg wet	1.67		6
Dibenz(a,h)anthracene	1.19	0.17	mg/Kg wet	1.67		7
Fluoranthene	0.926	0.17	mg/Kg wet	1.67		5
Fluorene	0.898	0.17	mg/Kg wet	1.67		5
Indeno(1,2,3-cd)pyrene	1.22	0.17	mg/Kg wet	1.67		7
2-Methylnaphthalene	0.872	0.17	mg/Kg wet	1.67		5
Naphthalene	0.956	0.17	mg/Kg wet	1.67		5
Phenanthrene	1.02	0.17	mg/Kg wet	1.67		6
Pyrene	0.972	0.17	mg/Kg wet	1.67		5

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%
Batch B014248 - SW-846 3546						
Matrix Spike (B014248-MS1)		**Source: 10E0574-27**		Prepared: 05/28/10	Analyzed	
Acenaphthene	1.02	0.22	mg/Kg dry	2.11	ND	4
Acenaphthylene	1.01	0.22	mg/Kg dry	2.11	ND	4
Anthracene	1.05	0.22	mg/Kg dry	2.11	ND	5
Benzo(a)anthracene	1.07	0.22	mg/Kg dry	2.11	ND	5
Benzo(a)pyrene	1.09	0.22	mg/Kg dry	2.11	ND	5
Benzo(b)fluoranthene	1.10	0.22	mg/Kg dry	2.11	ND	5
Benzo(g,h,i)perylene	0.869	0.22	mg/Kg dry	2.11	ND	4
Benzo(k)fluoranthene	1.02	0.22	mg/Kg dry	2.11	ND	4
Chrysene	1.09	0.22	mg/Kg dry	2.11	ND	5
Dibenz(a,h)anthracene	0.982	0.22	mg/Kg dry	2.11	ND	4
Fluoranthene	1.03	0.22	mg/Kg dry	2.11	ND	4
Fluorene	1.04	0.22	mg/Kg dry	2.11	ND	4
Indeno(1,2,3-cd)pyrene	1.04	0.22	mg/Kg dry	2.11	ND	4
2-Methylnaphthalene	0.957	0.22	mg/Kg dry	2.11	ND	4
Naphthalene	0.933	0.22	mg/Kg dry	2.11	ND	4
Phenanthrene	1.03	0.22	mg/Kg dry	2.11	ND	4
Pyrene	0.963	0.22	mg/Kg dry	2.11	ND	4
Surrogate: Nitrobenzene-d5	*2.01*		mg/Kg dry	4.22		4
Surrogate: 2-Fluorobiphenyl	*2.34*		mg/Kg dry	4.22		5
Surrogate: Terphenyl-d14	*2.15*		mg/Kg dry	4.22		5
Matrix Spike Dup (B014248-MSD1)		**Source: 10E0574-27**		Prepared: 05/28/10	Analyzed:	
Acenaphthene	0.944	0.22	mg/Kg dry	2.11	ND	44
Acenaphthylene	0.954	0.22	mg/Kg dry	2.11	ND	45
Anthracene	0.983	0.22	mg/Kg dry	2.11	ND	46
Benzo(a)anthracene	1.03	0.22	mg/Kg dry	2.11	ND	49
Benzo(a)pyrene	1.05	0.22	mg/Kg dry	2.11	ND	49
Benzo(b)fluoranthene	1.06	0.22	mg/Kg dry	2.11	ND	50
Benzo(g,h,i)perylene	0.826	0.22	mg/Kg dry	2.11	ND	39
Benzo(k)fluoranthene	0.989	0.22	mg/Kg dry	2.11	ND	46
Chrysene	1.01	0.22	mg/Kg dry	2.11	ND	48
Dibenz(a,h)anthracene	0.970	0.22	mg/Kg dry	2.11	ND	46
Fluoranthene	0.863	0.22	mg/Kg dry	2.11	ND	40
Fluorene	0.949	0.22	mg/Kg dry	2.11	ND	45
Indeno(1,2,3-cd)pyrene	1.01	0.22	mg/Kg dry	2.11	ND	47
2-Methylnaphthalene	0.943	0.22	mg/Kg dry	2.11	ND	44
Naphthalene	0.873	0.22	mg/Kg dry	2.11	ND	41
Phenanthrene	0.981	0.22	mg/Kg dry	2.11	ND	46
Pyrene	1.09	0.22	mg/Kg dry	2.11	ND	51

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QUALITY CONTROL

Organochloride Pesticides by GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%
Batch B014167 - SW-846 3546						
Blank (B014167-BLK1)					Prepared: 05/27/10	Analyzed
Alachlor	ND	0.020	mg/Kg wet			
Alachlor [2C]	ND	0.020	mg/Kg wet			
Aldrin	ND	0.0050	mg/Kg wet			
Aldrin [2C]	ND	0.0050	mg/Kg wet			
alpha-BHC	ND	0.0050	mg/Kg wet			
alpha-BHC [2C]	ND	0.0050	mg/Kg wet			
beta-BHC	ND	0.0050	mg/Kg wet			
beta-BHC [2C]	ND	0.0050	mg/Kg wet			
delta-BHC	ND	0.0050	mg/Kg wet			
delta-BHC [2C]	ND	0.0050	mg/Kg wet			
gamma-BHC (Lindane)	ND	0.0030	mg/Kg wet			
gamma-BHC (Lindane) [2C]	ND	0.0030	mg/Kg wet			
Chlordane	ND	0.020	mg/Kg wet			
Chlordane [2C]	ND	0.020	mg/Kg wet			
4,4'-DDD	ND	0.0080	mg/Kg wet			
4,4'-DDD [2C]	ND	0.0080	mg/Kg wet			
4,4'-DDE	ND	0.0040	mg/Kg wet			
4,4'-DDE [2C]	ND	0.0040	mg/Kg wet			
4,4'-DDT	ND	0.0080	mg/Kg wet			
4,4'-DDT [2C]	ND	0.0080	mg/Kg wet			
Dieldrin	ND	0.0020	mg/Kg wet			
Dieldrin [2C]	ND	0.0020	mg/Kg wet			
Endosulfan I	ND	0.0050	mg/Kg wet			
Endosulfan I [2C]	ND	0.0050	mg/Kg wet			
Endosulfan II	ND	0.0080	mg/Kg wet			
Endosulfan II [2C]	ND	0.0080	mg/Kg wet			
Endosulfan Sulfate	ND	0.0080	mg/Kg wet			
Endosulfan Sulfate [2C]	ND	0.0080	mg/Kg wet			
Endrin	ND	0.0080	mg/Kg wet			
Endrin [2C]	ND	0.0080	mg/Kg wet			
Endrin Aldehyde	ND	0.0080	mg/Kg wet			
Endrin Aldehyde [2C]	ND	0.0080	mg/Kg wet			
Endrin Ketone	ND	0.0080	mg/Kg wet			
Endrin Ketone [2C]	ND	0.0080	mg/Kg wet			
Heptachlor	ND	0.0050	mg/Kg wet			
Heptachlor [2C]	ND	0.0050	mg/Kg wet			
Heptachlor Epoxide	ND	0.0050	mg/Kg wet			
Heptachlor Epoxide [2C]	ND	0.0050	mg/Kg wet			
Hexachlorobenzene	ND	0.0050	mg/Kg wet			

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QUALITY CONTROL

Organochloride Pesticides by GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%
Batch B014167 - SW-846 3546						
LCS (B014167-BS1)				Prepared: 05/27/10 Analyzed:		
Alachlor	0.021	0.020	mg/Kg wet	0.0200		10
Alachlor [2C]	0.020	0.020	mg/Kg wet	0.0200		99
Aldrin	0.020	0.0050	mg/Kg wet	0.0200		97
Aldrin [2C]	0.019	0.0050	mg/Kg wet	0.0200		95
alpha-BHC	0.020	0.0050	mg/Kg wet	0.0200		97
alpha-BHC [2C]	0.019	0.0050	mg/Kg wet	0.0200		96
beta-BHC	0.019	0.0050	mg/Kg wet	0.0200		94
beta-BHC [2C]	0.018	0.0050	mg/Kg wet	0.0200		91
delta-BHC	0.017	0.0050	mg/Kg wet	0.0200		85
delta-BHC [2C]	0.016	0.0050	mg/Kg wet	0.0200		81
gamma-BHC (Lindane)	0.020	0.0030	mg/Kg wet	0.0200		99
gamma-BHC (Lindane) [2C]	0.019	0.0030	mg/Kg wet	0.0200		96
4,4'-DDD	0.020	0.0080	mg/Kg wet	0.0200		10
4,4'-DDD [2C]	0.019	0.0080	mg/Kg wet	0.0200		95
4,4'-DDE	0.020	0.0040	mg/Kg wet	0.0200		10
4,4'-DDE [2C]	0.019	0.0040	mg/Kg wet	0.0200		93
4,4'-DDT	0.018	0.0080	mg/Kg wet	0.0200		92
4,4'-DDT [2C]	0.017	0.0080	mg/Kg wet	0.0200		85
Dieldrin	0.021	0.0020	mg/Kg wet	0.0200		10
Dieldrin [2C]	0.019	0.0020	mg/Kg wet	0.0200		94
Endosulfan I	0.020	0.0050	mg/Kg wet	0.0200		99
Endosulfan I [2C]	0.019	0.0050	mg/Kg wet	0.0200		93
Endosulfan II	0.020	0.0080	mg/Kg wet	0.0200		10
Endosulfan II [2C]	0.019	0.0080	mg/Kg wet	0.0200		93
Endosulfan Sulfate	0.019	0.0080	mg/Kg wet	0.0200		95
Endosulfan Sulfate [2C]	0.018	0.0080	mg/Kg wet	0.0200		89
Endrin	0.020	0.0080	mg/Kg wet	0.0200		99
Endrin [2C]	0.018	0.0080	mg/Kg wet	0.0200		89
Endrin Aldehyde	0.016	0.0080	mg/Kg wet	0.0200		79
Endrin Aldehyde [2C]	0.015	0.0080	mg/Kg wet	0.0200		74
Endrin Ketone	0.020	0.0080	mg/Kg wet	0.0200		98
Endrin Ketone [2C]	0.019	0.0080	mg/Kg wet	0.0200		96
Heptachlor	0.020	0.0050	mg/Kg wet	0.0200		98
Heptachlor [2C]	0.019	0.0050	mg/Kg wet	0.0200		94
Heptachlor Epoxide	0.020	0.0050	mg/Kg wet	0.0200		100
Heptachlor Epoxide [2C]	0.019	0.0050	mg/Kg wet	0.0200		94
Hexachlorobenzene	0.020	0.0050	mg/Kg wet	0.0200		100
Hexachlorobenzene [2C]	0.019	0.0050	mg/Kg wet	0.0200		95
Methoxychlor	0.020	0.050	mg/Kg wet	0.0200		100

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QUALITY CONTROL

Organochloride Pesticides by GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%
Batch B014167 - SW-846 3546						
LCS Dup (B014167-BSD1)				Prepared: 05/27/10 Analyzed		
Alachlor	0.024	0.020	mg/Kg wet	0.0200		1
Alachlor [2C]	0.023	0.020	mg/Kg wet	0.0200		1
Aldrin	0.023	0.0050	mg/Kg wet	0.0200		1
Aldrin [2C]	0.022	0.0050	mg/Kg wet	0.0200		1
alpha-BHC	0.022	0.0050	mg/Kg wet	0.0200		1
alpha-BHC [2C]	0.022	0.0050	mg/Kg wet	0.0200		1
beta-BHC	0.022	0.0050	mg/Kg wet	0.0200		1
beta-BHC [2C]	0.021	0.0050	mg/Kg wet	0.0200		1
delta-BHC	0.020	0.0050	mg/Kg wet	0.0200		9
delta-BHC [2C]	0.019	0.0050	mg/Kg wet	0.0200		9
gamma-BHC (Lindane)	0.023	0.0030	mg/Kg wet	0.0200		1
gamma-BHC (Lindane) [2C]	0.022	0.0030	mg/Kg wet	0.0200		1
4,4'-DDD	0.023	0.0080	mg/Kg wet	0.0200		1
4,4'-DDD [2C]	0.022	0.0080	mg/Kg wet	0.0200		1
4,4'-DDE	0.023	0.0040	mg/Kg wet	0.0200		1
4,4'-DDE [2C]	0.022	0.0040	mg/Kg wet	0.0200		1
4,4'-DDT	0.021	0.0080	mg/Kg wet	0.0200		1
4,4'-DDT [2C]	0.020	0.0080	mg/Kg wet	0.0200		9
Dieldrin	0.024	0.0020	mg/Kg wet	0.0200		1
Dieldrin [2C]	0.022	0.0020	mg/Kg wet	0.0200		1
Endosulfan I	0.023	0.0050	mg/Kg wet	0.0200		1
Endosulfan I [2C]	0.022	0.0050	mg/Kg wet	0.0200		1
Endosulfan II	0.023	0.0080	mg/Kg wet	0.0200		1
Endosulfan II [2C]	0.022	0.0080	mg/Kg wet	0.0200		1
Endosulfan Sulfate	0.022	0.0080	mg/Kg wet	0.0200		1
Endosulfan Sulfate [2C]	0.021	0.0080	mg/Kg wet	0.0200		1
Endrin	0.023	0.0080	mg/Kg wet	0.0200		1
Endrin [2C]	0.021	0.0080	mg/Kg wet	0.0200		1
Endrin Aldehyde	0.019	0.0080	mg/Kg wet	0.0200		97
Endrin Aldehyde [2C]	0.018	0.0080	mg/Kg wet	0.0200		92
Endrin Ketone	0.023	0.0080	mg/Kg wet	0.0200		1
Endrin Ketone [2C]	0.022	0.0080	mg/Kg wet	0.0200		1
Heptachlor	0.023	0.0050	mg/Kg wet	0.0200		1
Heptachlor [2C]	0.022	0.0050	mg/Kg wet	0.0200		1
Heptachlor Epoxide	0.023	0.0050	mg/Kg wet	0.0200		1
Heptachlor Epoxide [2C]	0.022	0.0050	mg/Kg wet	0.0200		1
Hexachlorobenzene	0.023	0.0050	mg/Kg wet	0.0200		1
Hexachlorobenzene [2C]	0.022	0.0050	mg/Kg wet	0.0200		1
Methoxychlor	0.023	0.050	mg/Kg wet	0.0200		1

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QUALITY CONTROL

Organochloride Pesticides by GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%
Batch B014167 - SW-846 3546						
Matrix Spike (B014167-MS1)	**Source: 10E0574-22**			Prepared: 05/27/10	Analyzed:	
Alachlor	0.024	0.027	mg/Kg dry	0.0268	ND	8
Alachlor [2C]	0.022	0.027	mg/Kg dry	0.0268	ND	8
Aldrin	0.024	0.0067	mg/Kg dry	0.0268	ND	8
Aldrin [2C]	0.024	0.0067	mg/Kg dry	0.0268	ND	8
alpha-BHC	0.023	0.0067	mg/Kg dry	0.0268	ND	8
alpha-BHC [2C]	0.024	0.0067	mg/Kg dry	0.0268	ND	8
beta-BHC	0.023	0.0067	mg/Kg dry	0.0268	ND	8
beta-BHC [2C]	0.022	0.0067	mg/Kg dry	0.0268	ND	8
delta-BHC	0.019	0.0067	mg/Kg dry	0.0268	ND	7
delta-BHC [2C]	0.019	0.0067	mg/Kg dry	0.0268	ND	6
gamma-BHC (Lindane)	0.024	0.0040	mg/Kg dry	0.0268	ND	8
gamma-BHC (Lindane) [2C]	0.024	0.0040	mg/Kg dry	0.0268	ND	8
4,4'-DDD	0.025	0.011	mg/Kg dry	0.0268	ND	9
4,4'-DDD [2C]	0.023	0.011	mg/Kg dry	0.0268	ND	8
4,4'-DDE	0.024	0.0054	mg/Kg dry	0.0268	ND	8
4,4'-DDE [2C]	0.023	0.0054	mg/Kg dry	0.0268	ND	8
4,4'-DDT	0.021	0.011	mg/Kg dry	0.0268	ND	7
4,4'-DDT [2C]	0.020	0.011	mg/Kg dry	0.0268	ND	7
Dieldrin	0.024	0.0027	mg/Kg dry	0.0268	ND	8
Dieldrin [2C]	0.023	0.0027	mg/Kg dry	0.0268	ND	8
Endosulfan I	0.023	0.0067	mg/Kg dry	0.0268	ND	8
Endosulfan I [2C]	0.023	0.0067	mg/Kg dry	0.0268	ND	8
Endosulfan II	0.024	0.011	mg/Kg dry	0.0268	ND	8
Endosulfan II [2C]	0.023	0.011	mg/Kg dry	0.0268	ND	8
Endosulfan Sulfate	0.020	0.011	mg/Kg dry	0.0268	ND	7
Endosulfan Sulfate [2C]	0.020	0.011	mg/Kg dry	0.0268	ND	7
Endrin	0.026	0.011	mg/Kg dry	0.0268	ND	9
Endrin [2C]	0.024	0.011	mg/Kg dry	0.0268	ND	9
Endrin Aldehyde	0.021	0.011	mg/Kg dry	0.0268	ND	7
Endrin Aldehyde [2C]	0.021	0.011	mg/Kg dry	0.0268	ND	7
Endrin Ketone	0.024	0.011	mg/Kg dry	0.0268	ND	8
Endrin Ketone [2C]	0.021	0.011	mg/Kg dry	0.0268	ND	7
Heptachlor	0.025	0.0067	mg/Kg dry	0.0268	ND	9
Heptachlor [2C]	0.023	0.0067	mg/Kg dry	0.0268	ND	8
Heptachlor Epoxide	0.025	0.0067	mg/Kg dry	0.0268	ND	9
Heptachlor Epoxide [2C]	0.023	0.0067	mg/Kg dry	0.0268	ND	8
Hexachlorobenzene	0.026	0.0067	mg/Kg dry	0.0268	ND	9
Hexachlorobenzene [2C]	0.026	0.0067	mg/Kg dry	0.0268	ND	9
Methoxychlor	0.023	0.067	mg/Kg dry	0.0268	ND	8

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QUALITY CONTROL

Organochloride Pesticides by GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	
Batch B014167 - SW-846 3546						
Matrix Spike Dup (B014167-MSD1)	**Source: 10E0574-22**			Prepared: 05/27/10	Analyzed	
Alachlor	0.026	0.027	mg/Kg dry	0.0268	ND	9
Alachlor [2C]	0.024	0.027	mg/Kg dry	0.0268	ND	8
Aldrin	0.026	0.0067	mg/Kg dry	0.0268	ND	9
Aldrin [2C]	0.025	0.0067	mg/Kg dry	0.0268	ND	9
alpha-BHC	0.025	0.0067	mg/Kg dry	0.0268	ND	9
alpha-BHC [2C]	0.025	0.0067	mg/Kg dry	0.0268	ND	9
beta-BHC	0.024	0.0067	mg/Kg dry	0.0268	ND	8
beta-BHC [2C]	0.023	0.0067	mg/Kg dry	0.0268	ND	8
delta-BHC	0.020	0.0067	mg/Kg dry	0.0268	ND	7
delta-BHC [2C]	0.020	0.0067	mg/Kg dry	0.0268	ND	7
gamma-BHC (Lindane)	0.025	0.0040	mg/Kg dry	0.0268	ND	9
gamma-BHC (Lindane) [2C]	0.025	0.0040	mg/Kg dry	0.0268	ND	9
4,4'-DDD	0.027	0.011	mg/Kg dry	0.0268	ND	1
4,4'-DDD [2C]	0.027	0.011	mg/Kg dry	0.0268	ND	9
4,4'-DDE	0.026	0.0054	mg/Kg dry	0.0268	ND	9
4,4'-DDE [2C]	0.025	0.0054	mg/Kg dry	0.0268	ND	9
4,4'-DDT	0.021	0.011	mg/Kg dry	0.0268	ND	7
4,4'-DDT [2C]	0.020	0.011	mg/Kg dry	0.0268	ND	7
Dieldrin	0.026	0.0027	mg/Kg dry	0.0268	ND	9
Dieldrin [2C]	0.025	0.0027	mg/Kg dry	0.0268	ND	9
Endosulfan I	0.026	0.0067	mg/Kg dry	0.0268	ND	9
Endosulfan I [2C]	0.025	0.0067	mg/Kg dry	0.0268	ND	9
Endosulfan II	0.025	0.011	mg/Kg dry	0.0268	ND	9
Endosulfan II [2C]	0.025	0.011	mg/Kg dry	0.0268	ND	9
Endosulfan Sulfate	0.021	0.011	mg/Kg dry	0.0268	ND	7
Endosulfan Sulfate [2C]	0.020	0.011	mg/Kg dry	0.0268	ND	7
Endrin	0.027	0.011	mg/Kg dry	0.0268	ND	1
Endrin [2C]	0.026	0.011	mg/Kg dry	0.0268	ND	9
Endrin Aldehyde	0.022	0.011	mg/Kg dry	0.0268	ND	8
Endrin Aldehyde [2C]	0.022	0.011	mg/Kg dry	0.0268	ND	8
Endrin Ketone	0.023	0.011	mg/Kg dry	0.0268	ND	8
Endrin Ketone [2C]	0.023	0.011	mg/Kg dry	0.0268	ND	8
Heptachlor	0.026	0.0067	mg/Kg dry	0.0268	ND	9
Heptachlor [2C]	0.025	0.0067	mg/Kg dry	0.0268	ND	9
Heptachlor Epoxide	0.026	0.0067	mg/Kg dry	0.0268	ND	9
Heptachlor Epoxide [2C]	0.025	0.0067	mg/Kg dry	0.0268	ND	9
Hexachlorobenzene	0.026	0.0067	mg/Kg dry	0.0268	ND	9
Hexachlorobenzene [2C]	0.026	0.0067	mg/Kg dry	0.0268	ND	9
Methoxychlor	0.023	0.067	mg/Kg dry	0.0268	ND	8

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%R
Batch B014249 - SW-846 3546						
Blank (B014249-BLK1)				Prepared: 05/28/10	Analyzed: 0	
CT ETPH	ND	10	mg/Kg wet			
Surrogate: o-Terphenyl	*2.96*		mg/Kg wet	3.33		88.
LCS (B014249-BS1)				Prepared: 05/28/10	Analyzed: 0	
CT ETPH	26.0	10	mg/Kg wet	33.3		78.
Surrogate: o-Terphenyl	*3.15*		mg/Kg wet	3.33		94.
LCS Dup (B014249-BSD1)				Prepared: 05/28/10	Analyzed: 0	
CT ETPH	26.2	10	mg/Kg wet	33.3		78.
Surrogate: o-Terphenyl	*3.13*		mg/Kg wet	3.33		93.
Matrix Spike (B014249-MS1)	Source: 10E0574-01			Prepared: 05/28/10	Analyzed: 0	
CT ETPH	33.4	13	mg/Kg dry	42.8	4.58	67.
Surrogate: o-Terphenyl	*2.99*		mg/Kg dry	4.28		69.
Matrix Spike Dup (B014249-MSD1)	Source: 10E0574-01			Prepared: 05/28/10	Analyzed: 0	
CT ETPH	30.4	13	mg/Kg dry	42.8	4.58	60.
Surrogate: o-Terphenyl	*3.46*		mg/Kg dry	4.28		80.
Batch B014250 - SW-846 3546						
Blank (B014250-BLK1)				Prepared: 05/28/10	Analyzed: 0	
CT ETPH	ND	10	mg/Kg wet			
Surrogate: o-Terphenyl	*3.17*		mg/Kg wet	3.33		95.
LCS (B014250-BS1)				Prepared: 05/28/10	Analyzed: 0	
CT ETPH	29.5	10	mg/Kg wet	33.3		88.
Surrogate: o-Terphenyl	*3.31*		mg/Kg wet	3.33		99.
LCS Dup (B014250-BSD1)				Prepared: 05/28/10	Analyzed: 0	
CT ETPH	29.1	10	mg/Kg wet	33.3		87.
Surrogate: o-Terphenyl	*3.20*		mg/Kg wet	3.33		96.

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%
Batch B014182 - SW-846 7471A						
Blank (B014182-BLK1)					Prepared: 05/27/10	Analyzed:
Mercury	ND	0.025	mg/Kg wet			
LCS (B014182-BS1)					Prepared: 05/27/10	Analyzed:
Mercury	1.10	0.025	mg/Kg wet	1.01		1
LCS Dup (B014182-BSD1)					Prepared: 05/27/10	Analyzed:
Mercury	1.24	0.050	mg/Kg wet	1.07		1
Batch B014184 - SW-846 3050B						
Blank (B014184-BLK1)					Prepared: 05/27/10	Analyzed:
Arsenic	ND	2.5	mg/Kg wet			
Barium	ND	2.5	mg/Kg wet			
Cadmium	ND	0.25	mg/Kg wet			
Chromium	ND	0.50	mg/Kg wet			
Lead	ND	0.75	mg/Kg wet			
Selenium	ND	5.0	mg/Kg wet			
Silver	ND	0.50	mg/Kg wet			
LCS (B014184-BS1)					Prepared: 05/27/10	Analyzed:
Arsenic	109	5.0	mg/Kg wet	106		10
Barium	333	5.0	mg/Kg wet	329		10
Cadmium	233	0.50	mg/Kg wet	243		96
Chromium	79.4	0.99	mg/Kg wet	80.2		99
Lead	143	1.5	mg/Kg wet	106		13
Selenium	177	9.9	mg/Kg wet	176		10
Silver	44.1	0.99	mg/Kg wet	45.9		96
LCS (B014184-BS2)					Prepared: 05/27/10	Analyzed:
Lead	0.756	0.75	mg/Kg wet	0.750		10
LCS Dup (B014184-BSD1)					Prepared: 05/27/10	Analyzed:
Arsenic	107	5.0	mg/Kg wet	107		10
Barium	333	5.0	mg/Kg wet	330		10
Cadmium	227	0.50	mg/Kg wet	243		93
Chromium	77.5	1.0	mg/Kg wet	80.3		96
Lead	123	1.5	mg/Kg wet	107		11
Selenium	171	10	mg/Kg wet	176		97
Silver	44.6	1.0	mg/Kg wet	46.0		96
Batch B014199 - SW-846 7471A						

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%
Batch B014199 - SW-846 7471A						
LCS (B014199-BS1)				Prepared: 05/27/10	Analyzed:	
Mercury	1.10	0.025	mg/Kg wet	1.02		1
LCS Dup (B014199-BSD1)				Prepared: 05/27/10	Analyzed:	
Mercury	1.19	0.025	mg/Kg wet	1.03		1
Duplicate (B014199-DUP1)	Source: 10E0574-12			Prepared: 05/27/10	Analyzed:	
Mercury	ND	0.017	mg/Kg dry		ND	
Matrix Spike (B014199-MS1)	Source: 10E0574-12			Prepared: 05/27/10	Analyzed:	
Mercury	0.391	0.017	mg/Kg dry	0.349	ND	1
Batch B014200 - SW-846 3050B						
Blank (B014200-BLK1)				Prepared: 05/27/10	Analyzed:	
Arsenic	ND	2.5	mg/Kg wet			
Barium	ND	2.5	mg/Kg wet			
Cadmium	ND	0.25	mg/Kg wet			
Chromium	ND	0.49	mg/Kg wet			
Lead	ND	0.74	mg/Kg wet			
Selenium	ND	4.9	mg/Kg wet			
Silver	ND	0.49	mg/Kg wet			
LCS (B014200-BS1)				Prepared: 05/27/10	Analyzed:	
Arsenic	104	5.0	mg/Kg wet	107		97
Barium	323	5.0	mg/Kg wet	330		97
Cadmium	229	0.50	mg/Kg wet	243		94
Chromium	78.8	1.0	mg/Kg wet	80.4		98
Lead	100	1.5	mg/Kg wet	107		93
Selenium	165	10	mg/Kg wet	177		93
Silver	39.9	1.0	mg/Kg wet	46.1		86
LCS (B014200-BS2)				Prepared: 05/27/10	Analyzed:	
Lead	0.746	0.74	mg/Kg wet	0.736		10
LCS Dup (B014200-BSD1)				Prepared: 05/27/10	Analyzed:	
Arsenic	111	5.0	mg/Kg wet	107		10
Barium	333	5.0	mg/Kg wet	330		10
Cadmium	235	0.50	mg/Kg wet	244		96
Chromium	79.5	1.0	mg/Kg wet	80.5		98
Lead	103	1.5	mg/Kg wet	107		96
Selenium	174	10	mg/Kg wet	177		98

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result
Batch B014200 - SW-846 3050B					
Duplicate (B014200-DUP1)		**Source: 10E0574-13**		Prepared: 05/27/10	Analyz
Arsenic	9.55	2.9	mg/Kg dry		6.49
Barium	105	2.9	mg/Kg dry		117
Cadmium	0.808	0.29	mg/Kg dry		1.04
Chromium	27.4	0.58	mg/Kg dry		34.4
Lead	17.8	0.87	mg/Kg dry		19.0
Selenium	ND	5.8	mg/Kg dry		ND
Silver	ND	0.58	mg/Kg dry		ND
Matrix Spike (B014200-MS1)		**Source: 10E0574-13**		Prepared: 05/27/10	Analyze
Arsenic	34.4	3.0	mg/Kg dry	29.6	6.49
Barium	146	3.0	mg/Kg dry	29.6	117
Cadmium	28.5	0.30	mg/Kg dry	29.6	1.04
Chromium	59.4	0.59	mg/Kg dry	29.6	34.4
Lead	43.5	0.89	mg/Kg dry	29.6	19.0
Selenium	24.3	5.9	mg/Kg dry	29.6	ND
Silver	23.5	0.59	mg/Kg dry	29.6	ND

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CHAIN OF CUSTODY RECORD

10E0574

39 SPRUCE ST, 2ND FLOOR
EAST LONGMEADOW, MA 01028

Telephone: (860) 632-1500

Project # 41223

Client PO # 41223

Place
d, CT

l Chemical

DATA DELIVERY (check one):
☐FAX ☐EMAIL ☐WEBSITE CLIENT
Fax # :
Email:
Format: ☐ EXCEL ☐ PDF ☐ GIS KEY
☐ OTHER

State Form Required?
☐ yes ☐ no

ANALYSIS REQUESTED

Lab #	Date Sampled Start Date/Time	Stop Date/Time	Composite	Grab	*Matrix Code	Conc. Code	CT ETPH	VOC 8260	PAH 8260	RCRA 8 metals	Pesticides 8081	# of containers	**Preservation	~Cont. Code
-09	5/24/2010	1130		✓	S		✓	✓	✓		✓			
-10		1140		✓	S		✓	✓		✓				
-11		11.55		✓	S		✓	✓	✓					
-12		1207		✓	S		✓	✓		✓				
-13		110		✓	S		✓	✓	✓	✓	✓			
-14		115		✓	S		✓	✓		✓				
-15		123		✓	S		✓	✓	✓	✓	✓			

												8			
												I			
												E			

~Cont. Code:
A=amber glass
G=glass
P=plastic
ST=sterile
V=vial
S=summa can
T=tedlar bag
O=Other

Client Comments:

Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

10E0574

39 SPRUCE ST, 2ND FLOOR
EAST LONGMEADOW, MA 01028

Telephone: (860) 632-1500
Project # 41223
Client PO # 41223

DATA DELIVERY (check one):
☐FAX ☐EMAIL ☐WEBSITE CLIENT
Fax #:
Email:
Format: ☐ EXCEL ☐ PDF ☐ GIS KEY
☐ OTHER

State Form Required?
☐ yes ☐ no

Lab #	Date Sampled Start Date/Time	Stop Date/Time	Comp-osite	Grab	*Matrix Code	Conc. Code	CT ETPH	VOC 8260	PAH 8260	PCB's mcb's	Pesticides 8081	# of containers	**Preservation	~Cont.Code
-17	5/24/2010	152		✓	S		✓	✓	✓	✓		8	4	G
-18		207		✓	S		✓	✓	✓			7	HCl	V
-19		215		✓	S		✓	✓	✓	✓	✓	1	1	G
-20		230		✓	S		✓	✓				1	1	G
-21		243		✓	S		✓	✓	✓	✓		1	1	G
-22		248		✓	S		✓	✓			✓	1	1	G
-23		305		✓	S		✓	✓	✓	✓		1	1	G

ANALYSIS REQUESTED

~Cont. Code:
A=amber glass
G=glass
P=plastic
ST=sterile
V= vial
S=summa can
T=tedlar bag
O=Other

Client Comments:

Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

39 SPRUCE ST, 2ND FLOOR
EAST LONGMEADOW, MA 01028

10E0574

Telephone: (860) 632-1000

Project # 41223

Client PO # 41223

Plain
on CT

Chemical

DATA DELIVERY (check one):
☐FAX ☐EMAIL ☐WEBSITE CLIENT
Fax #: _____
Email: _____
Format: ☐ EXCEL ☐ PDF ☐ GIS KEY
☐ OTHER _____

s) State Form Required? ☐ yes ☐ no

Lab #	Date Sampled: Start Date/Time	Stop Date/Time	Composite	Grab	*Matrix Code	Conc. Code	# of containers	**Preservation	~Cont.Code	ANALYSIS REQUESTED: CT ETPH	VOC 8260C	PAH 8270D	RCRA 8 metals	Pesticide 8081
-25	5/24/200	332		✓	S		3	I	G	✓	✓	✓	✓	
-26	↓	1047		✓	S		3	I	G	✓	✓	✓	✓	
MP -27	↓	305		✓	S		3	I	G	✓	✓	✓	✓	

~Cont. Codes: A=amber glass, G=glass, P=plastic, ST=sterile, V=vial, S=summa can, T=tedlar bag, O=Other

Client Comments:

www.contestlabs.com

con-test® ANALYTICAL LABORATORY

Sample Receipt Checklist

CLIENT NAME: VHB RECEIVED BY: CEC

1) Was the chain(s) of custody relinquished and signed? Yes N

2) Does the chain agree with the samples? Yes N

If not, explain:

3) Are all the samples in good condition? Yes N

If not, explain:

4) How were the samples received:

On Ice [/] Direct from Sampling [ ] Ambient [ ] In Cooler(

Were the samples received in Temperature Compliance of (2-6°C)? Yes N

Temperature °C by Temp blank 3.0 C Temperature °C by Temp gun

5) Are there Dissolved samples for the lab to filter? Yes. (N)

Who was notified _____ Date _____ Time _____

6) Are there any samples "On Hold"? Yes (N)

7) Are there any RUSH or SHORT HOLDING TIME samples? Yes (N)

Who was notified _____ Date _____ Time _____

8) Location where samples are stored: 19

Permission to sub

(Walk-in clients or

Client Signature:

Containers sent in to Con-Test

	# of containers		
1 Liter Amber			8 oz clear jar
500 mL Amber			4 oz clear jar
250 mL Amber (8oz amber)			2 oz clear jar
1 Liter Plastic			Other glass jar
500 mL Plastic			Plastic Bag / Ziplo
250 mL plastic			Air Cassette
40 mL Vial - type listed below	81		Brass Sleeves
Colisure / bacteria bottle			Tubes
Dissolved Oxygen bottle			Summa Cans

D:\HPCHEM\1\DATA\060210\A0602008.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	6/2/10
Data File Name	A0602008.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response
c - 9	1.21	396020	441757
c - 10	1.57	412068	441757
c - 12	2.31	428495	441757
c - 14	2.98	443003	441757
c - 16	3.59	460901	441757
c - 18	4.13	472076	441757
o-Terphenyl	4.37	495009	441757
c - 20	4.62	473417	441757
c - 22	5.08	459206	441757
c - 24	5.49	467522	441757
c - 26	5.88	459267	441757
c - 28	6.23	444505	441757
c - 30	6.57	448316	441757
c - 32	6.88	422114	441757
c - 34	7.18	429409	441757
c - 36	7.47	410036	441757

* One compound al

Samples

10E0574-01
10E0574-02
10E0574-03
10E0574-04
10E0574-05

D:\HPCHEM\1\DATA\060210.SEC\A0602009.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	6/2/10
Data File Name	A0602009.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response
c - 9	1.20	395002	423858
c - 10	1.56	409527	423858
c - 12	2.29	422232	423858
c - 14	2.96	431231	423858
c - 16	3.55	441746	423858
c - 18	4.09	444355	423858
o-Terphenyl	4.33	461987	423858
c - 20	4.58	440443	423858
c - 22	5.03	424194	423858
c - 24	5.44	432914	423858
c - 26	5.83	430488	423858
c - 28	6.18	423357	423858
c - 30	6.52	432924	423858
c - 32	6.83	410974	423858
c - 34	7.12	418748	423858
c - 36	7.41	399731	423858

* One compound allo

Samples

10E0617-09RE1
10E0574-07
10E0574-08
10E0574-09
10E0574-10@5X
10E0574-11

D:\HPCHEM\1\DATA\060210\A0602038.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	6/2/10
Data File Name	A0602038.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response
c - 9	1.20	387535	430125
c - 10	1.57	404931	430125
c - 12	2.31	420848	430125
c - 14	2.98	433339	430125
c - 16	3.59	449274	430125
c - 18	4.13	458108	430125
o-Terphenyl	4.37	477425	430125
c - 20	4.62	456812	430125
c - 22	5.08	441500	430125
c - 24	5.49	450365	430125
c - 26	5.88	442901	430125
c - 28	6.23	431691	430125
c - 30	6.57	437465	430125
c - 32	6.88	413418	430125
c - 34	7.18	421161	430125
c - 36	7.47	402529	430125

* One compound al

Samples

10E0575-01
10E0575-02
10E0575-03
10E0574-10@2X

D:\HPCHEM\1\DATA\060210.SEC\A0602039.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	6/2/10
Data File Name	A0602039.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response
c - 9	1.20	397011	430385
c - 10	1.56	412635	430385
c - 12	2.29	425097	430385
c - 14	2.96	433829	430385
c - 16	3.55	445299	430385
c - 18	4.09	449769	430385
o-Terphenyl	4.33	468084	430385
c - 20	4.58	446687	430385
c - 22	5.03	431569	430385
c - 24	5.44	440840	430385
c - 26	5.83	439641	430385
c - 28	6.18	432983	430385
c - 30	6.52	442982	430385
c - 32	6.83	420398	430385
c - 34	7.12	428367	430385
c - 36	7.41	408665	430385

* One compound allo

Samples

10E0574-13@5X
10E0574-14
10E0574-16
10E0574-17
10E0574-18
10E0574-19
10E0574-20@5X
10E0578-01@40X

D:\HPCHEM\1\DATA\060210.SEC\A0602083.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	6/2/10
Data File Name	A0602083.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response
c - 9	1.20	434365	475647
c - 10	1.56	456545	475647
c - 12	2.29	473940	475647
c - 14	2.96	483513	475647
c - 16	3.56	495160	475647
c - 18	4.09	498611	475647
o-Terphenyl	4.33	517994	475647
c - 20	4.58	494144	475647
c - 22	5.03	476387	475647
c - 24	5.45	485831	475647
c - 26	5.83	484308	475647
c - 28	6.18	476902	475647
c - 30	6.52	488040	475647
c - 32	6.83	463390	475647
c - 34	7.12	472531	475647
c - 36	7.41	451046	475647

* One compound al

Samples

10E0574-21
10E0574-22
10E0574-23@5X
10E0574-24@10X
10E0574-25@5X
10E0574-26
10E0574-27
10E0725-01

D:\HPCHEM\1\DATA\060310\A0603012.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	6/3/10
Data File Name	A0603012.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response
c - 9	1.20	329637	362938
c - 10	1.57	335693	362938
c - 12	2.31	347420	362938
c - 14	2.98	362890	362938
c - 16	3.58	381072	362938
c - 18	4.13	391960	362938
o-Terphenyl	4.37	438339	362938
c - 20	4.62	394869	362938
c - 22	5.07	382715	362938
c - 24	5.49	388679	362938
c - 26	5.88	379412	362938
c - 28	6.23	365308	362938
c - 30	6.57	366156	362938
c - 32	6.88	343011	362938
c - 34	7.18	346473	362938
c - 36	7.47	328779	362938

* One compound allo

Samples

10E0713-04
10E0713-05
10E0720-04
10E0720-05
10E0720-06
10E0574-12@5X
10E0667-01@5X
10E0574-25@2X

REASONABLE CONFIDENCE PROTOC
LABORATORY ANALYSIS QA/QC CERTIFICA

Laboratory Name: Con-Test Analytical Laboratory *Client:* Vana

Project Location: Portland Chemical *Project Num*

Laboratory Sample ID(s): *Sample Date*

10E0574-01 thru 10E0574-27 05/24/2010

List RCP Methods Used:

CTDEP ETPH, SW-846 6010B, SW-846 7471A, SW-846 8081A, SW-846 8260B, SW-846 8270C

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CTDEP method-specific Reasonable Confidence Protocol documents?
1A	Were the method specified preservation and holding time requirements met?
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?
3	Were samples received at an appropriate temperature (< 6 degrees C.)?
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?
5A	Were reporting limits specified or referenced on the chain-of-custody?
5B	Were these reporting limits met?
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?

Notes: For all questions to which the response was "No" (with the exception of question #7), additional infor must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data packag meet the requirements for "Reasonable Confidence."
This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the bes and belief and based upon my personal inquiry of those responsible for providing contained in this analytical report, such information is accurate and complete.

con-test®
ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TE

June 4, 2010

Amy Vaillancourt
Vanasse Hangen Brustlin, Inc. - CT
54 Tuttle Place
Middletown, CT 06457

Project Location: Portland Chemical
Client Job Number:
Project Number: 41223
Laboratory Work Order Number: 10E0578

Enclosed are results of analyses for samples received by the laboratory on May 25, 2010. If you ha
this report, please feel free to contact me.

Sincerely,

Holly L. Folsom
Project Manager

CON-TEST®
ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL

Vanasse Hangen Brustlin, Inc. - CT
54 Tuttle Place
Middletown, CT 06457
ATTN: Amy Vaillancourt

PURCHASE ORDER NUMBER

PROJECT NUMBER: 41223

ANALYTICAL SUMMARY

WORK O

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

PROJECT LOCATION: Portland Chemical

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION
Black Liquid	10E0578-01	Soil	

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ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TE

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

CTDEP ETPH

Qualifications:

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required concentration and/or matrix interferences.

Analyte & Samples(s) Qualified:

o-Terphenyl

10E0578-01[Black Liquid]

SW-846 8260B

Qualifications:

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other i between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

1,1,2,2-Tetrachloroethane, 1,2,3-Trichlorobenzene, 1,2,3-Trichloropropane, Chlorodibromomethane, trans-1,4-Dichloro-2-bute

B014177-BS1, B014177-BSD1

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is outside of control limits. Reduced precision anticipated for any reported result for this compound.

Analyte & Samples(s) Qualified:

2,2-Dichloropropane

B014177-BS1

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported val compound.

Analyte & Samples(s) Qualified:

2,2-Dichloropropane, Bromomethane

10E0578-01[Black Liquid], B014177-BLK1, B014177-BS1, B014177-BSD1

Continuing calibration did not meet method specifications and was biased on the high side for this compound. Significant u associated with the reported value which is likely to be biased on the high side.

Analyte & Samples(s) Qualified:

Bromomethane, Chlorodibromomethane

B014177-BS1, B014177-BSD1

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ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TE

Project Location: Portland Chemical
Sample Description:
Date Received: 5/25/2010
Field Sample #: Black Liquid
Sampled: 5/24/2010 15:30
Sample ID: 10E0578-01
Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag
Acetone	ND	3.8	mg/Kg dry	0.25	
Acrylonitrile	ND	0.38	mg/Kg dry	0.25	
Benzene	ND	0.076	mg/Kg dry	0.25	
Bromobenzene	ND	0.076	mg/Kg dry	0.25	
Bromodichloromethane	ND	0.076	mg/Kg dry	0.25	
Bromoform	ND	1.5	mg/Kg dry	0.25	
Bromomethane	ND	0.15	mg/Kg dry	0.25	R-05
2-Butanone (MEK)	ND	1.5	mg/Kg dry	0.25	
n-Butylbenzene	ND	0.076	mg/Kg dry	0.25	
sec-Butylbenzene	ND	0.076	mg/Kg dry	0.25	
tert-Butylbenzene	ND	0.076	mg/Kg dry	0.25	
Carbon Disulfide	ND	0.23	mg/Kg dry	0.25	
Carbon Tetrachloride	ND	0.30	mg/Kg dry	0.25	
Chlorobenzene	ND	0.076	mg/Kg dry	0.25	
Chlorodibromomethane	ND	0.15	mg/Kg dry	0.25	
Chloroethane	ND	0.15	mg/Kg dry	0.25	
Chloroform	ND	0.15	mg/Kg dry	0.25	
Chloromethane	ND	0.15	mg/Kg dry	0.25	
2-Chlorotoluene	ND	0.076	mg/Kg dry	0.25	
4-Chlorotoluene	ND	0.076	mg/Kg dry	0.25	
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.76	mg/Kg dry	0.25	
1,2-Dibromoethane (EDB)	ND	0.038	mg/Kg dry	0.25	
Dibromomethane	ND	0.076	mg/Kg dry	0.25	
1,2-Dichlorobenzene	ND	0.076	mg/Kg dry	0.25	
1,3-Dichlorobenzene	ND	0.076	mg/Kg dry	0.25	
1,4-Dichlorobenzene	ND	0.076	mg/Kg dry	0.25	
trans-1,4-Dichloro-2-butene	ND	0.15	mg/Kg dry	0.25	
Dichlorodifluoromethane (Freon 12)	ND	0.15	mg/Kg dry	0.25	
1,1-Dichloroethane	ND	0.076	mg/Kg dry	0.25	
1,2-Dichloroethane	ND	0.076	mg/Kg dry	0.25	
1,1-Dichloroethylene	ND	0.076	mg/Kg dry	0.25	
cis-1,2-Dichloroethylene	ND	0.076	mg/Kg dry	0.25	
trans-1,2-Dichloroethylene	ND	0.076	mg/Kg dry	0.25	

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ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL

Project Location: Portland Chemical
Sample Description:

Date Received: 5/25/2010

Field Sample #: Black Liquid
Sampled: 5/24/2010 15:30

Sample ID: 10E0578-01

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag
Methyl tert-Butyl Ether (MTBE)	ND	0.076	mg/Kg dry	0.25	
Methylene Chloride	ND	0.38	mg/Kg dry	0.25	
4-Methyl-2-pentanone (MIBK)	ND	0.76	mg/Kg dry	0.25	
Naphthalene	ND	0.15	mg/Kg dry	0.25	
n-Propylbenzene	ND	0.076	mg/Kg dry	0.25	
Styrene	ND	0.076	mg/Kg dry	0.25	
1,1,1,2-Tetrachloroethane	ND	0.15	mg/Kg dry	0.25	
1,1,2,2-Tetrachloroethane	ND	0.038	mg/Kg dry	0.25	
Tetrachloroethylene	ND	0.076	mg/Kg dry	0.25	
Tetrahydrofuran	ND	0.76	mg/Kg dry	0.25	
Toluene	ND	0.076	mg/Kg dry	0.25	
1,2,3-Trichlorobenzene	ND	0.38	mg/Kg dry	0.25	
1,2,4-Trichlorobenzene	ND	0.076	mg/Kg dry	0.25	
1,1,1-Trichloroethane	ND	0.076	mg/Kg dry	0.25	
1,1,2-Trichloroethane	ND	0.076	mg/Kg dry	0.25	
Trichloroethylene	ND	0.076	mg/Kg dry	0.25	
Trichlorofluoromethane (Freon 11)	ND	0.15	mg/Kg dry	0.25	
1,2,3-Trichloropropane	ND	0.15	mg/Kg dry	0.25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.076	mg/Kg dry	0.25	
1,2,4-Trimethylbenzene	ND	0.076	mg/Kg dry	0.25	
1,3,5-Trimethylbenzene	ND	0.076	mg/Kg dry	0.25	
Vinyl Chloride	ND	0.15	mg/Kg dry	0.25	
m+p Xylene	ND	0.15	mg/Kg dry	0.25	
o-Xylene	ND	0.076	mg/Kg dry	0.25	

Surrogates	% Recovery	Recovery Limits	Flag
1,2-Dichloroethane-d4	124	70-130	
Toluene-d8	105	70-130	
4-Bromofluorobenzene	79.7	70-130	

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ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TE

Project Location: Portland Chemical
Sample Description:

Date Received: 5/25/2010

Field Sample #: Black Liquid
Sampled: 5/24/2010 15:30

Sample ID: 10E0578-01

Sample Matrix: Soil

Sample Flags: DL-03

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag
Acenaphthene	ND	5.0	mg/Kg dry	5	
Acenaphthylene	ND	5.0	mg/Kg dry	5	
Anthracene	ND	5.0	mg/Kg dry	5	
Benzo(a)anthracene	ND	5.0	mg/Kg dry	5	
Benzo(a)pyrene	ND	5.0	mg/Kg dry	5	
Benzo(b)fluoranthene	ND	5.0	mg/Kg dry	5	
Benzo(g,h,i)perylene	ND	5.0	mg/Kg dry	5	
Benzo(k)fluoranthene	ND	5.0	mg/Kg dry	5	
Chrysene	ND	5.0	mg/Kg dry	5	
Dibenz(a,h)anthracene	ND	5.0	mg/Kg dry	5	
Fluoranthene	ND	5.0	mg/Kg dry	5	
Fluorene	ND	5.0	mg/Kg dry	5	
Indeno(1,2,3-cd)pyrene	ND	5.0	mg/Kg dry	5	
2-Methylnaphthalene	ND	5.0	mg/Kg dry	5	
Naphthalene	ND	5.0	mg/Kg dry	5	
Phenanthrene	ND	5.0	mg/Kg dry	5	
Pyrene	ND	5.0	mg/Kg dry	5	

Surrogates	% Recovery	Recovery Limits	Flag
Nitrobenzene-d5	54.8	30-130	
2-Fluorobiphenyl	63.3	30-130	
Terphenyl-d14	58.3	30-130	

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Project Location: Portland Chemical
Sample Description:

Date Received: 5/25/2010

Field Sample #: Black Liquid
Sampled: 5/24/2010 15:30

Sample ID: 10E0578-01

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag
CT ETPH	11000	4700	mg/Kg dry	40	

Surrogates	% Recovery	Recovery Limits	Flag
o-Terphenyl	*	50-150	S-01

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Project Location: Portland Chemical
Sample Description:

Date Received: 5/25/2010

Field Sample #: Black Liquid
Sampled: 5/24/2010 15:30

Sample ID: 10E0578-01

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag
Arsenic	5.2	3.0	mg/Kg dry	1	
Barium	100	3.0	mg/Kg dry	1	
Cadmium	0.90	0.30	mg/Kg dry	1	
Chromium	38	0.60	mg/Kg dry	1	
Lead	10	0.90	mg/Kg dry	1	
Mercury	ND	0.023	mg/Kg dry	1	
Selenium	ND	6.0	mg/Kg dry	1	
Silver	ND	0.60	mg/Kg dry	1	

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Project Location: Portland Chemical
Sample Description:

Date Received: 5/25/2010

Field Sample #: Black Liquid
Sampled: 5/24/2010 15:30

Sample ID: 10E0578-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (T

Analyte	Results	RL	Units	Dilution	Flag
% Solids	85.5		% Wt	1	

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Sample Extraction Data

Prep Method: SW-846 3546-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]
10E0578-01 [Black Liquid]	B014250	30.0	10.0

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch
10E0578-01 [Black Liquid]	B014225

Prep Method: SW-846 3050B-SW-846 6010B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]
10E0578-01 [Black Liquid]	B014200	0.977	50.0

Prep Method: SW-846 7471A-SW-846 7471A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]
10E0578-01 [Black Liquid]	B014199	0.128	25.0

Prep Method: SW-846 5035-SW-846 8260B

Lab Number [Field ID]	Batch	Sample Amount(g)	Methanol Volume(mL)	Meth Aliqu
10E0578-01 [Black Liquid]	B014177	13.3	17.2	

Prep Method: SW-846 3546-SW-846 8270C

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]
10E0578-01 [Black Liquid]	B014433	30.0	5.00

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%
Batch B014177 - SW-846 5035						
Blank (B014177-BLK1)					Prepared & Analyzed: 05/27/1	
Acetone	ND	2.5	mg/Kg wet			
Acrylonitrile	ND	0.25	mg/Kg wet			
Benzene	ND	0.051	mg/Kg wet			
Bromobenzene	ND	0.051	mg/Kg wet			
Bromodichloromethane	ND	0.051	mg/Kg wet			
Bromoform	ND	1.0	mg/Kg wet			
Bromomethane	ND	0.10	mg/Kg wet			
2-Butanone (MEK)	ND	1.0	mg/Kg wet			
n-Butylbenzene	ND	0.051	mg/Kg wet			
sec-Butylbenzene	ND	0.051	mg/Kg wet			
tert-Butylbenzene	ND	0.051	mg/Kg wet			
Carbon Disulfide	ND	0.15	mg/Kg wet			
Carbon Tetrachloride	ND	0.20	mg/Kg wet			
Chlorobenzene	ND	0.051	mg/Kg wet			
Chlorodibromomethane	ND	0.10	mg/Kg wet			
Chloroethane	ND	0.10	mg/Kg wet			
Chloroform	ND	0.10	mg/Kg wet			
Chloromethane	ND	0.10	mg/Kg wet			
2-Chlorotoluene	ND	0.051	mg/Kg wet			
4-Chlorotoluene	ND	0.051	mg/Kg wet			
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.51	mg/Kg wet			
1,2-Dibromoethane (EDB)	ND	0.025	mg/Kg wet			
Dibromomethane	ND	0.051	mg/Kg wet			
1,2-Dichlorobenzene	ND	0.051	mg/Kg wet			
1,3-Dichlorobenzene	ND	0.051	mg/Kg wet			
1,4-Dichlorobenzene	ND	0.051	mg/Kg wet			
trans-1,4-Dichloro-2-butene	ND	0.10	mg/Kg wet			
Dichlorodifluoromethane (Freon 12)	ND	0.10	mg/Kg wet			
1,1-Dichloroethane	ND	0.051	mg/Kg wet			
1,2-Dichloroethane	ND	0.051	mg/Kg wet			
1,1-Dichloroethylene	ND	0.051	mg/Kg wet			
cis-1,2-Dichloroethylene	ND	0.051	mg/Kg wet			
trans-1,2-Dichloroethylene	ND	0.051	mg/Kg wet			
1,2-Dichloropropane	ND	0.051	mg/Kg wet			
1,3-Dichloropropane	ND	0.025	mg/Kg wet			
2,2-Dichloropropane	ND	0.051	mg/Kg wet			
1,1-Dichloropropene	ND	0.10	mg/Kg wet			
cis-1,3-Dichloropropene	ND	0.025	mg/Kg wet			
trans-1,3-Dichloropropene	ND	0.025	mg/Kg wet			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%
Batch B014177 - SW-846 5035						
Blank (B014177-BLK1)					Prepared & Analyzed: 05/27/	
Tetrachloroethylene	ND	0.051	mg/Kg wet			
Tetrahydrofuran	ND	0.51	mg/Kg wet			
Toluene	ND	0.051	mg/Kg wet			
1,2,3-Trichlorobenzene	ND	0.25	mg/Kg wet			
1,2,4-Trichlorobenzene	ND	0.051	mg/Kg wet			
1,1,1-Trichloroethane	ND	0.051	mg/Kg wet			
1,1,2-Trichloroethane	ND	0.051	mg/Kg wet			
Trichloroethylene	ND	0.051	mg/Kg wet			
Trichlorofluoromethane (Freon 11)	ND	0.10	mg/Kg wet			
1,2,3-Trichloropropane	ND	0.10	mg/Kg wet			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.051	mg/Kg wet			
1,2,4-Trimethylbenzene	ND	0.051	mg/Kg wet			
1,3,5-Trimethylbenzene	ND	0.051	mg/Kg wet			
Vinyl Chloride	ND	0.10	mg/Kg wet			
m+p Xylene	ND	0.10	mg/Kg wet			
o-Xylene	ND	0.051	mg/Kg wet			
Surrogate: 1,2-Dichloroethane-d4	*1.52*		mg/Kg wet	1.33		11
Surrogate: Toluene-d8	*1.22*		mg/Kg wet	1.33		91
Surrogate: 4-Bromofluorobenzene	*0.990*		mg/Kg wet	1.33		74
LCS (B014177-BS1)					Prepared & Analyzed: 05/27/1	
Acetone	65.7	12	mg/Kg wet	48.0		13
Acrylonitrile	4.16	1.2	mg/Kg wet	4.80		86
Benzene	4.14	0.24	mg/Kg wet	4.80		86
Bromobenzene	3.73	0.24	mg/Kg wet	4.80		77
Bromodichloromethane	4.77	0.24	mg/Kg wet	4.80		99
Bromoform	3.49	4.8	mg/Kg wet	4.80		72
Bromomethane	2.03	0.48	mg/Kg wet	4.80		42
2-Butanone (MEK)	49.1	4.8	mg/Kg wet	48.0		10
n-Butylbenzene	3.97	0.24	mg/Kg wet	4.80		82
sec-Butylbenzene	3.99	0.24	mg/Kg wet	4.80		83
tert-Butylbenzene	3.95	0.24	mg/Kg wet	4.80		82
Carbon Disulfide	5.10	0.72	mg/Kg wet	4.80		106
Carbon Tetrachloride	4.86	0.96	mg/Kg wet	4.80		101
Chlorobenzene	3.47	0.24	mg/Kg wet	4.80		72
Chlorodibromomethane	5.63	0.48	mg/Kg wet	4.80		117
Chloroethane	4.95	0.48	mg/Kg wet	4.80		103
Chloroform	4.48	0.48	mg/Kg wet	4.80		93.4
Chloromethane	3.73	0.48	mg/Kg wet	4.80		

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%R
Batch B014177 - SW-846 5035						
LCS (B014177-BS1)					Prepared & Analyzed: 05/27/10	
cis-1,2-Dichloroethylene	4.14	0.24	mg/Kg wet	4.80		86.
trans-1,2-Dichloroethylene	4.83	0.24	mg/Kg wet	4.80		10
1,2-Dichloropropane	3.81	0.24	mg/Kg wet	4.80		79.
1,3-Dichloropropane	4.00	0.12	mg/Kg wet	4.80		83.
2,2-Dichloropropane	2.93	0.24	mg/Kg wet	4.80		61.
1,1-Dichloropropene	4.45	0.48	mg/Kg wet	4.80		92.
cis-1,3-Dichloropropene	3.98	0.12	mg/Kg wet	4.80		83.
trans-1,3-Dichloropropene	4.72	0.12	mg/Kg wet	4.80		98.
Ethylbenzene	3.75	0.24	mg/Kg wet	4.80		78.
Hexachlorobutadiene	3.70	0.24	mg/Kg wet	4.80		77.
2-Hexanone (MBK)	46.8	2.4	mg/Kg wet	48.0		97.
Isopropylbenzene (Cumene)	4.31	0.24	mg/Kg wet	4.80		89.
p-Isopropyltoluene (p-Cymene)	3.95	0.24	mg/Kg wet	4.80		82.
Methyl tert-Butyl Ether (MTBE)	4.37	0.24	mg/Kg wet	4.80		91.
Methylene Chloride	4.69	1.2	mg/Kg wet	4.80		97.
4-Methyl-2-pentanone (MIBK)	42.3	2.4	mg/Kg wet	48.0		88.
Naphthalene	2.72	0.48	mg/Kg wet	4.80		56.
n-Propylbenzene	3.62	0.24	mg/Kg wet	4.80		75.
Styrene	3.77	0.24	mg/Kg wet	4.80		78.
1,1,1,2-Tetrachloroethane	4.43	0.48	mg/Kg wet	4.80		92.
1,1,2,2-Tetrachloroethane	3.26	0.12	mg/Kg wet	4.80		67.
Tetrachloroethylene	4.10	0.24	mg/Kg wet	4.80		85.
Tetrahydrofuran	3.67	2.4	mg/Kg wet	4.80		76.
Toluene	4.10	0.24	mg/Kg wet	4.80		85.
1,2,3-Trichlorobenzene	3.30	1.2	mg/Kg wet	4.80		68.
1,2,4-Trichlorobenzene	3.62	0.24	mg/Kg wet	4.80		75.
1,1,1-Trichloroethane	4.59	0.24	mg/Kg wet	4.80		95.
1,1,2-Trichloroethane	3.86	0.24	mg/Kg wet	4.80		80.
Trichloroethylene	4.29	0.24	mg/Kg wet	4.80		89.
Trichlorofluoromethane (Freon 11)	5.06	0.48	mg/Kg wet	4.80		10
1,2,3-Trichloropropane	3.05	0.48	mg/Kg wet	4.80		63.
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	4.89	0.24	mg/Kg wet	4.80		10
1,2,4-Trimethylbenzene	4.21	0.24	mg/Kg wet	4.80		87.
1,3,5-Trimethylbenzene	3.74	0.24	mg/Kg wet	4.80		78.
Vinyl Chloride	4.26	0.48	mg/Kg wet	4.80		88.
m+p Xylene	7.59	0.48	mg/Kg wet	9.60		79.
o-Xylene	3.70	0.24	mg/Kg wet	4.80		77.
Surrogate: 1,2-Dichloroethane-d4	*6.68*		mg/Kg wet	5.33		12

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%
Batch B014177 - SW-846 5035						
LCS Dup (B014177-BSD1)					Prepared & Analyzed: 05/27/	
tert-Butylbenzene	4.71	0.24	mg/Kg wet	4.80		9
Carbon Disulfide	5.77	0.72	mg/Kg wet	4.80		1
Carbon Tetrachloride	5.76	0.96	mg/Kg wet	4.80		1
Chlorobenzene	4.17	0.24	mg/Kg wet	4.80		8
Chlorodibromomethane	6.70	0.48	mg/Kg wet	4.80		1
Chloroethane	5.94	0.48	mg/Kg wet	4.80		1
Chloroform	5.48	0.48	mg/Kg wet	4.80		1
Chloromethane	4.43	0.48	mg/Kg wet	4.80		9
2-Chlorotoluene	4.45	0.24	mg/Kg wet	4.80		9
4-Chlorotoluene	4.61	0.24	mg/Kg wet	4.80		9
1,2-Dibromo-3-chloropropane (DBCP)	4.25	2.4	mg/Kg wet	4.80		8
1,2-Dibromoethane (EDB)	4.56	0.12	mg/Kg wet	4.80		9
Dibromomethane	4.77	0.24	mg/Kg wet	4.80		9
1,2-Dichlorobenzene	4.73	0.24	mg/Kg wet	4.80		9
1,3-Dichlorobenzene	4.83	0.24	mg/Kg wet	4.80		1
1,4-Dichlorobenzene	4.68	0.24	mg/Kg wet	4.80		9
trans-1,4-Dichloro-2-butene	3.59	0.48	mg/Kg wet	4.80		7
Dichlorodifluoromethane (Freon 12)	5.67	0.48	mg/Kg wet	4.80		1
1,1-Dichloroethane	4.97	0.24	mg/Kg wet	4.80		1
1,2-Dichloroethane	5.30	0.24	mg/Kg wet	4.80		1
1,1-Dichloroethylene	6.03	0.24	mg/Kg wet	4.80		1
cis-1,2-Dichloroethylene	5.04	0.24	mg/Kg wet	4.80		1
trans-1,2-Dichloroethylene	5.15	0.24	mg/Kg wet	4.80		1
1,2-Dichloropropane	4.60	0.24	mg/Kg wet	4.80		9
1,3-Dichloropropane	4.76	0.12	mg/Kg wet	4.80		9
2,2-Dichloropropane	4.07	0.24	mg/Kg wet	4.80		8
1,1-Dichloropropene	5.26	0.48	mg/Kg wet	4.80		1
cis-1,3-Dichloropropene	5.01	0.12	mg/Kg wet	4.80		1
trans-1,3-Dichloropropene	5.86	0.12	mg/Kg wet	4.80		1
Ethylbenzene	4.52	0.24	mg/Kg wet	4.80		9
Hexachlorobutadiene	4.70	0.24	mg/Kg wet	4.80		9
2-Hexanone (MBK)	52.8	2.4	mg/Kg wet	48.0		1
Isopropylbenzene (Cumene)	5.12	0.24	mg/Kg wet	4.80		1
p-Isopropyltoluene (p-Cymene)	4.74	0.24	mg/Kg wet	4.80		9
Methyl tert-Butyl Ether (MTBE)	4.87	0.24	mg/Kg wet	4.80		1
Methylene Chloride	5.61	1.2	mg/Kg wet	4.80		1
4-Methyl-2-pentanone (MIBK)	49.9	2.4	mg/Kg wet	48.0		1
Naphthalene	3.33	0.48	mg/Kg wet	4.80		6
n-Propylbenzene	4.41	0.24	mg/Kg wet	4.80		9

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%I
Batch B014177 - SW-846 5035						
LCS Dup (B014177-BSD1)					Prepared & Analyzed: 05/27/1	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	6.11	0.24	mg/Kg wet	4.80		12
1,2,4-Trimethylbenzene	5.16	0.24	mg/Kg wet	4.80		10
1,3,5-Trimethylbenzene	4.56	0.24	mg/Kg wet	4.80		95
Vinyl Chloride	4.97	0.48	mg/Kg wet	4.80		10
m+p Xylene	9.14	0.48	mg/Kg wet	9.60		95
o-Xylene	4.52	0.24	mg/Kg wet	4.80		94
Surrogate: 1,2-Dichloroethane-d4	*6.72*		mg/Kg wet	5.33		12
Surrogate: Toluene-d8	*6.19*		mg/Kg wet	5.33		11
Surrogate: 4-Bromofluorobenzene	*5.60*		mg/Kg wet	5.33		10

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%
Batch B014433 - SW-846 3546						
Blank (B014433-BLK1)					Prepared: 06/02/10	Analyzed:
Acenaphthene	ND	0.17	mg/Kg wet			
Acenaphthylene	ND	0.17	mg/Kg wet			
Anthracene	ND	0.17	mg/Kg wet			
Benzo(a)anthracene	ND	0.17	mg/Kg wet			
Benzo(a)pyrene	ND	0.17	mg/Kg wet			
Benzo(b)fluoranthene	ND	0.17	mg/Kg wet			
Benzo(g,h,i)perylene	ND	0.17	mg/Kg wet			
Benzo(k)fluoranthene	ND	0.17	mg/Kg wet			
Chrysene	ND	0.17	mg/Kg wet			
Dibenz(a,h)anthracene	ND	0.17	mg/Kg wet			
Fluoranthene	ND	0.17	mg/Kg wet			
Fluorene	ND	0.17	mg/Kg wet			
Indeno(1,2,3-cd)pyrene	ND	0.17	mg/Kg wet			
2-Methylnaphthalene	ND	0.17	mg/Kg wet			
Naphthalene	ND	0.17	mg/Kg wet			
Phenanthrene	ND	0.17	mg/Kg wet			
Pyrene	ND	0.17	mg/Kg wet			
Surrogate: Nitrobenzene-d5	*1.75*		mg/Kg wet	3.33		52.6
Surrogate: 2-Fluorobiphenyl	*1.81*		mg/Kg wet	3.33		54.4
Surrogate: Terphenyl-d14	*2.62*		mg/Kg wet	3.33		78.7
LCS (B014433-BS1)					Prepared: 06/02/10	Analyzed: 0
Acenaphthene	0.842	0.17	mg/Kg wet	1.67		50.5
Acenaphthylene	0.845	0.17	mg/Kg wet	1.67		50.7
Anthracene	0.877	0.17	mg/Kg wet	1.67		52.6
Benzo(a)anthracene	0.968	0.17	mg/Kg wet	1.67		58.1
Benzo(a)pyrene	0.953	0.17	mg/Kg wet	1.67		57.2
Benzo(b)fluoranthene	0.815	0.17	mg/Kg wet	1.67		48.9
Benzo(g,h,i)perylene	1.02	0.17	mg/Kg wet	1.67		61.2
Benzo(k)fluoranthene	0.908	0.17	mg/Kg wet	1.67		54.5
Chrysene	0.980	0.17	mg/Kg wet	1.67		58.8
Dibenz(a,h)anthracene	1.10	0.17	mg/Kg wet	1.67		66.1
Fluoranthene	0.825	0.17	mg/Kg wet	1.67		49.5
Fluorene	0.790	0.17	mg/Kg wet	1.67		47.4
Indeno(1,2,3-cd)pyrene	1.08	0.17	mg/Kg wet	1.67		64.7
2-Methylnaphthalene	0.775	0.17	mg/Kg wet	1.67		46.5
Naphthalene	0.804	0.17	mg/Kg wet	1.67		48.2
Phenanthrene	0.884	0.17	mg/Kg wet	1.67		53.0
Pyrene	0.799	0.17	mg/Kg wet	1.67		47.9

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%
Batch B014433 - SW-846 3546						
LCS Dup (B014433-BSD1)				Prepared: 06/02/10 Analyzed		
Acenaphthene	0.880	0.17	mg/Kg wet	1.67		5
Acenaphthylene	0.884	0.17	mg/Kg wet	1.67		5
Anthracene	0.915	0.17	mg/Kg wet	1.67		5
Benzo(a)anthracene	1.01	0.17	mg/Kg wet	1.67		6
Benzo(a)pyrene	0.983	0.17	mg/Kg wet	1.67		5
Benzo(b)fluoranthene	0.886	0.17	mg/Kg wet	1.67		5
Benzo(g,h,i)perylene	1.05	0.17	mg/Kg wet	1.67		6
Benzo(k)fluoranthene	0.969	0.17	mg/Kg wet	1.67		5
Chrysene	1.00	0.17	mg/Kg wet	1.67		6
Dibenz(a,h)anthracene	1.10	0.17	mg/Kg wet	1.67		6
Fluoranthene	0.927	0.17	mg/Kg wet	1.67		5
Fluorene	0.864	0.17	mg/Kg wet	1.67		5
Indeno(1,2,3-cd)pyrene	1.11	0.17	mg/Kg wet	1.67		6
2-Methylnaphthalene	0.833	0.17	mg/Kg wet	1.67		5
Naphthalene	0.852	0.17	mg/Kg wet	1.67		5
Phenanthrene	0.922	0.17	mg/Kg wet	1.67		5
Pyrene	1.05	0.17	mg/Kg wet	1.67		6
Surrogate: Nitrobenzene-d5	*1.83*		mg/Kg wet	3.33		5
Surrogate: 2-Fluorobiphenyl	*1.99*		mg/Kg wet	3.33		5
Surrogate: Terphenyl-d14	*2.38*		mg/Kg wet	3.33		7

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%
Batch B014250 - SW-846 3546						
Blank (B014250-BLK1)					Prepared: 05/28/10	Analyzed:
CT ETPH	ND	10	mg/Kg wet			
Surrogate: o-Terphenyl	*3.17*		mg/Kg wet	3.33		9
LCS (B014250-BS1)					Prepared: 05/28/10	Analyzed:
CT ETPH	29.5	10	mg/Kg wet	33.3		8
Surrogate: o-Terphenyl	*3.31*		mg/Kg wet	3.33		9
LCS Dup (B014250-BSD1)					Prepared: 05/28/10	Analyzed:
CT ETPH	29.1	10	mg/Kg wet	33.3		87
Surrogate: o-Terphenyl	*3.20*		mg/Kg wet	3.33		96

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%
Batch B014199 - SW-846 7471A						
Blank (B014199-BLK1)				Prepared: 05/27/10	Analyzed:	
Mercury	ND	0.025	mg/Kg wet			
LCS (B014199-BS1)				Prepared: 05/27/10	Analyzed:	
Mercury	1.10	0.025	mg/Kg wet	1.02		1
LCS Dup (B014199-BSD1)				Prepared: 05/27/10	Analyzed:	
Mercury	1.19	0.025	mg/Kg wet	1.03		1
Batch B014200 - SW-846 3050B						
Blank (B014200-BLK1)				Prepared: 05/27/10	Analyzed:	
Arsenic	ND	2.5	mg/Kg wet			
Barium	ND	2.5	mg/Kg wet			
Cadmium	ND	0.25	mg/Kg wet			
Chromium	ND	0.49	mg/Kg wet			
Lead	ND	0.74	mg/Kg wet			
Selenium	ND	4.9	mg/Kg wet			
Silver	ND	0.49	mg/Kg wet			
LCS (B014200-BS1)				Prepared: 05/27/10	Analyzed:	
Arsenic	104	5.0	mg/Kg wet	107		97
Barium	323	5.0	mg/Kg wet	330		97
Cadmium	229	0.50	mg/Kg wet	243		94
Chromium	78.8	1.0	mg/Kg wet	80.4		98
Lead	100	1.5	mg/Kg wet	107		93
Selenium	165	10	mg/Kg wet	177		93
Silver	39.9	1.0	mg/Kg wet	46.1		86
LCS (B014200-BS2)				Prepared: 05/27/10	Analyzed:	
Lead	0.746	0.74	mg/Kg wet	0.736		10
LCS Dup (B014200-BSD1)				Prepared: 05/27/10	Analyzed:	
Arsenic	111	5.0	mg/Kg wet	107		10
Barium	333	5.0	mg/Kg wet	330		10
Cadmium	235	0.50	mg/Kg wet	244		96
Chromium	79.5	1.0	mg/Kg wet	80.5		98
Lead	103	1.5	mg/Kg wet	107		96
Selenium	174	10	mg/Kg wet	177		98
Silver	40.3	1.0	mg/Kg wet	46.1		87

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits estabished for difficult compound.
‡	Wide RPD limits estabished for difficult compound.
#	Data exceeded client recommended or regulatory level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using calculation which have not been rounded.
DL-03	Elevated detection limit due to matrix.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of cor the other is within limits. RPD between the two LFB/LCS results is within method specified crite
L-07A	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of cor the other is within limits. RPD outside of control limits. Reduced precision anticipated for any re this compound.
R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is antici reported value for this compound.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate required from high analyte concentration and/or matrix interferences.
V-06	Continuing calibration did not meet method specifications and was biased on the high side for thi Significant uncertainty is associated with the reported value which is likely to be biased on the hi

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
CTDEP ETPH in Soil	
CT ETPH	CT
SW-846 6010B in Soil	
Arsenic	CT,NH,NY
Barium	CT,NH,NY
Cadmium	CT,NH,NY
Chromium	CT,NH,NY
Lead	CT,NH,NY,AIHA
Selenium	CT,NH,NY,NC
Silver	CT,NH,NY,NC
SW-846 7471A in Soil	
Mercury	CT,NH,NY
SW-846 8260B in Soil	
Acetone	CT,NH,NY
Acrylonitrile	CT,NH,NY
Benzene	CT,NH,NY
Bromobenzene	NH,NY
Bromodichloromethane	CT,NH,NY
Bromoform	CT,NH,NY
Bromomethane	CT,NH,NY
2-Butanone (MEK)	CT,NH,NY
n-Butylbenzene	CT,NH,NY
sec-Butylbenzene	CT,NH,NY
tert-Butylbenzene	CT,NH,NY
Carbon Disulfide	CT,NH,NY
Carbon Tetrachloride	CT,NH,NY
Chlorobenzene	CT,NH,NY
Chlorodibromomethane	CT,NH,NY
Chloroethane	CT,NH,NY
Chloroform	CT,NH,NY
Chloromethane	CT,NH,NY
2-Chlorotoluene	CT,NH,NY
4-Chlorotoluene	CT,NH,NY
Dibromomethane	NH,NY
1,2-Dichlorobenzene	CT,NH,NY
1,3-Dichlorobenzene	CT,NH,NY

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260B in Soil	
cis-1,3-Dichloropropene	CT,NH,NY
trans-1,3-Dichloropropene	CT,NH,NY
Ethylbenzene	CT,NH,NY
Hexachlorobutadiene	NH,NY
2-Hexanone (MBK)	CT,NH,NY
Isopropylbenzene (Cumene)	CT,NH,NY
Methylene Chloride	CT,NH,NY
4-Methyl-2-pentanone (MIBK)	CT,NH,NY
Naphthalene	NH,NY
Styrene	CT,NH,NY
1,1,1,2-Tetrachloroethane	CT,NH,NY
1,1,2,2-Tetrachloroethane	CT,NH,NY
Tetrachloroethylene	CT,NH,NY
Toluene	CT,NH,NY
1,2,4-Trichlorobenzene	NH,NY
1,1,1-Trichloroethane	CT,NH,NY
1,1,2-Trichloroethane	CT,NH,NY
Trichloroethylene	CT,NH,NY
Trichlorofluoromethane (Freon 11)	CT,NH,NY
1,2,3-Trichloropropane	NH,NY
1,2,4-Trimethylbenzene	CT,NH,NY
1,3,5-Trimethylbenzene	CT,NH,NY
Vinyl Chloride	CT,NH,NY
m+p Xylene	CT,NH,NY
o-Xylene	CT,NH,NY
SW-846 8270C in Soil	
Acenaphthene	CT,NY,NH
Acenaphthylene	CT,NY,NH
Anthracene	CT,NY,NH
Benzo(a)anthracene	CT,NY,NH
Benzo(a)pyrene	CT,NY,NH
Benzo(b)fluoranthene	CT,NY,NH
Benzo(g,h,i)perylene	CT,NY,NH
Benzo(k)fluoranthene	CT,NY,NH
Chrysene	CT,NY,NH
Dibenz(a,h)anthracene	CT,NY,NH

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The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	E
AIHA	American Industrial Hygiene Association	100033	01
MA	Massachusetts DEP	M-MA100	06
CT	Connecticut Department of Publiic Health	PH-0567	09
NY	New York State Department of Health	10899 NELAP	04
NH	New Hampshire Environmental Lab	2516 NELAP	02
RI	Rhode Island Department of Health	LAO00112	12
NC	North Carolina Div. of Water Quality	652	12
NJ	New Jersey DEP	MA007 NELAP	06
FL	Florida Department of Health	E871027 NELAP	06
VT	Vermont Department of Health Lead Laboratory	LL015036	07
WA	State of Washington Department of Ecology	C2065	02

☐ yes _____ proposal date ☐ yes ☐ no

Field ID	Sample Description	Lab #	Date Sampled: Start Date/Time	Date Sampled: Stop Date/Time	Comp-osite	Grab	*Matrix Code	Conc. Code	ETB	VOC	PAH	RCRA
	Black Liquid	-01	3/24/2010	330		✓	S		✓	✓	✓	✓

Laboratory Comments:

Please use the following codes to let Con-Tes
be high in concentration in Matrix/Conc. Cod

H - High; M - Medium; L - Low; C - Clean; U

	Date/Time:
Relinquished by: (signature)	5/25/2010
Received by: (signature)	5/25/10 2:3
Relinquished by: (signature)	5/25/10 4:45
Received by: (signature) 3.0°	5/25/10 1645

Turnaround **
- ☒ 7-Day
- ☐ 10-Day
- ☐ Other ___

RUSH *
- ☐ *24-Hr ☐ *48-Hr
- ☐ *72-Hr ☐ *4-Day

* Require lab approval

Detection Limit Requirements

Regulations? _____

Data Enhancement Project/RCP? ☐ Y ☐ N

Special Requirements or DL's: _____

*Matrix Cod
GW= ground
WW= wastew
DW= drinkin
A = air
S = soil/solid
SL = sludge
O = other

** TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

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Sample Receipt Checklist

CLIENT NAME: VHB RECEIVED BY: CEC

1) Was the chain(s) of custody relinquished and signed? Yes

2) Does the chain agree with the samples? Yes

If not, explain:

3) Are all the samples in good condition? Yes

If not, explain:

4) How were the samples received:

On Ice ☒ Direct from Sampling ☐ Ambient ☐ In Cooler

Were the samples received in Temperature Compliance of (2-6°C)? Yes

Temperature °C by Temp blank 3.0 Temperature °C by Temp gu

5) Are there Dissolved samples for the lab to filter? Yes

Who was notified _____ Date _____ Time _____

6) Are there any samples "On Hold"? Yes

7) Are there any RUSH or SHORT HOLDING TIME samples? Yes

Who was notified _____ Date _____ Time _____

8) Location where samples are stored: 19

Permission to su

(Walk-in clients c

Client Signature:

Containers sent in to Con-Test

	# of containers		
1 Liter Amber			8 oz clear jar
500 mL Amber			4 oz clear jar
250 mL Amber (8oz amber)			2 oz clear jar
1 Liter Plastic			Other glass ja
500 mL Plastic			Plastic Bag / Zip
250 mL plastic			Air Cassette
40 mL Vial - type listed below	3		Brass Sleeves
Colisure / bacteria bottle			Tubes
Dissolved Oxygen bottle			Summa Cans

D:\HPCHEM\1\DATA\060210.SEC\A0602039.D

CT ETPH DISCRIMINATION CHECK

Date Acquired	6/2/10
Data File Name	A0602039.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response
c - 9	1.20	397011	430385
c - 10	1.56	412635	430385
c - 12	2.29	425097	430385
c - 14	2.96	433829	430385
c - 16	3.55	445299	430385
c - 18	4.09	449769	430385
o-Terphenyl	4.33	468084	430385
c - 20	4.58	446687	430385
c - 22	5.03	431569	430385
c - 24	5.44	440840	430385
c - 26	5.83	439641	430385
c - 28	6.18	432983	430385
c - 30	6.52	442982	430385
c - 32	6.83	420398	430385
c - 34	7.12	428367	430385
c - 36	7.41	408665	430385

* One compound allo

Samples

10E0574-13@5X
10E0574-14
10E0574-16
10E0574-17
10E0574-18
10E0574-19
10E0574-20@5X
10E0578-01@40X

COMPLETE ENVIRONMENTAL TESTING, INC.

80 Lupes Drive
Stratford, CT 06615

Client: Ms. Amy Vailancourt
Vanasse Hangen Brustlin, Inc.
54 Tuttle Place
Middletown, CT 06457

Analytical Report

CET # 10060497

Report Date: June 25, 2010
Client Project: Water-Sewer, Middletown
Client Project #: 41223.00

SAMPLE SUMMARY:

This report contains analytical data associated with the following samples only:

CETID	Client Sample ID	Matrix	Collection Date
AE43018	Water-Sewer 1	Soil	6/21/2010
AE43019	Water-Sewer 2	Soil	6/21/2010
AE43020	Water-Sewer 3	Soil	6/21/2010
AE43021	Water-Sewer 4	Soil	6/21/2010
AE43022	Water-Sewer 5	Soil	6/21/2010

Sample temperature upon receipt was 4.9 degrees C

PREP ANALYSIS:

Acid Digestion [EPA 3050B]

Client ID	Water-Sewer 1	Water-Sewer 2	Water-Sewer 3	Water-Sewer
CET ID	AE43018	AE43019	AE43020	AE43021
Date Analyzed	6/24/2010	6/24/2010	6/24/2010	6/24/2010

Acid Digestion [EPA 3050B]

Client ID	Water-Sewer 5
CET ID	AE43022
Date Analyzed	6/24/2010

Accelerated Solvent Ext.- Pest [EPA 3545]

Client ID	Water-Sewer 1	Water-Sewer 2	Water-Sewer 3	Water-Sewer
CET ID	AE43018	AE43019	AE43020	AE43021
Date Analyzed	6/22/2010	6/22/2010	6/22/2010	6/22/2010

Accelerated Solvent Ext.- Pest [EPA 3545]

Client ID	Water-Sewer 5
CET ID	AE43022
Date Analyzed	6/22/2010

Ultrasonic Extraction-ETPH [EPA 3550C]

Client ID	Water-Sewer 5
CET ID	AE43022
Date Analyzed	6/22/2010

Closed System P&T Extraction [EPA 5035A]

Client ID	Water-Sewer 1	Water-Sewer 2	Water-Sewer 3	Water-Sewe
CET ID	AE43018	AE43019	AE43020	AE43021
Date Analyzed	6/23/2010	6/23/2010	6/23/2010	6/23/2010

Closed System P&T Extraction [EPA 5035A]

Client ID	Water-Sewer 5
CET ID	AE43022
Date Analyzed	6/23/2010

Accelerated Solvent Extraction [EPA 3545]

Client ID	Water-Sewer 1	Water-Sewer 2	Water-Sewer 3	Water-Sewer
CET ID	AE43018	AE43019	AE43020	AE43021
Date Analyzed	6/24/2010	6/24/2010	6/24/2010	6/24/2010

Accelerated Solvent Extraction [EPA 3545]

Client ID	Water-Sewer 5
CET ID	AE43022
Date Analyzed	6/24/2010

ANALYSIS:

Total Mercury [EPA 7471B] Units: mg/kg (Dry Wt)

Client ID	Water-Sewer 1	Water-Sewer 2	Water-Sewer 3	Water-Sewer
CET ID	AE43018	AE43019	AE43020	AE43021
Date Analyzed	6/24/2010	6/24/2010	6/24/2010	6/24/2010
Total Mercury	ND < 0.30	ND < 0.30	ND < 0.30	ND < 0.30

Total Solids [EPA 160.3 mo] Units: percent

Client ID	Water-Sewer 1	Water-Sewer 2	Water-Sewer 3	Water-Sewer
CET ID	AE43018	AE43019	AE43020	AE43021
Date Analyzed	6/22/2010	6/22/2010	6/22/2010	6/22/2010
Total Solids	92	93	92	95

Total Solids [EPA 160.3 mo] Units: percent

Client ID	Water-Sewer 5
CET ID	AE43022
Date Analyzed	6/22/2010
Total Solids	92

Total Metals [EPA 6010C] Units: mg/kg (Dry Wt)

Client ID	Water-Sewer 1	Water-Sewer 2	Water-Sewer 3	Water-Sewer
CET ID	AE43018	AE43019	AE43020	AE43021
Date Analyzed	6/25/2010	6/25/2010	6/25/2010	6/25/2010
Dilution	1.0	1.0	1.0	1.0
Lead	26	17	17	5.8
Selenium	ND < 1.5	ND < 1.5	ND < 1.5	ND < 1.5
Cadmium	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Chromium	19	16	18	6.7
Arsenic	3.1	2.8	2.6	ND < 1.5
Barium	75	64	67	28
Silver	ND < 2.5	ND < 2.5	ND < 2.5	ND < 2.5

Total Metals [EPA 6010C] Units: mg/kg (Dry Wt)

Client ID	Water-Sewer 5
CET ID	AE43022
Date Analyzed	6/25/2010
Dilution	1.0
Lead	14
Selenium	ND < 1.5
Cadmium	ND < 1.0
Chromium	15
Arsenic	2.5
Barium	52

EPA 8081B Chlorinated Pesticides [EPA 8081B] Units: ug/kg (Dry W

Client ID	Water-Sewer 1	Water-Sewer 2	Water-Sewer 3	Wa
CET ID	AE43018	AE43019	AE43020	AE4
Date Analyzed	6/23/2010	6/23/2010	6/23/2010	6/23
Dilution	1	1	1	1
Alpha-BHC	ND < 55	ND < 54	ND < 55	ND
Gamma-BHC	ND < 22	ND < 22	ND < 22	ND
Heptachlor	ND < 11	ND < 11	ND < 11	ND
Aldrin	ND < 28	ND < 27	ND < 28	ND
Beta-BHC	ND < 55	ND < 54	ND < 55	ND
Delta-BHC	ND < 55	ND < 54	ND < 55	ND
Heptachlor Epoxide	ND < 17	ND < 17	ND < 17	ND
Endosulfan I	ND < 55	ND < 54	ND < 55	ND
4,4-DDE	ND < 22	ND < 22	ND < 22	ND
Dieldrin	ND < 6.0	ND < 6.0	ND < 6.0	ND
Endrin	ND < 55	ND < 54	ND < 55	ND
4,4-DDD	ND < 33	ND < 33	ND < 33	ND
Endosulfan II	ND < 55	ND < 54	ND < 55	ND
4,4-DDT	ND < 22	ND < 22	ND < 22	ND
Endrin Aldehyde	ND < 55	ND < 54	ND < 55	ND
4,4-Methoxychlor	ND < 55	ND < 54	ND < 55	ND
Endosulfan Sulfate	ND < 55	ND < 54	ND < 55	ND
Endrin Ketone	ND < 55	ND < 54	ND < 55	ND
Chlordane	ND < 55	ND < 54	ND < 55	ND
Toxaphene	ND < 220	ND < 220	ND < 220	ND
TCMX (Surr 1) 50-150	50	69	68	83
DCB (Surr 2) 50-150	51	57	81	77

EPA 8081B Chlorinated Pesticides [EPA 8081B] Units: ug/kg (Dry Wt

Client ID	Water-Sewer 5
CET ID	AE43022
Date Analyzed	6/23/2010
Dilution	1
Alpha-BHC	ND < 55
Gamma-BHC	ND < 22
Heptachlor	ND < 11
Aldrin	ND < 28
Beta-BHC	ND < 55
Delta-BHC	ND < 55
Heptachlor Epoxide	ND < 17

EPA 8081B Chlorinated Pesticides [EPA 8081B] Units: ug/kg (Dry Wt)

Client ID	Water-Sewer 5
Endosulfan Sulfate	ND < 55
Endrin Ketone	ND < 55
Chlordane	ND < 55
Toxaphene	ND < 220
TCMX (Surr 1) 50-150	53
DCB (Surr 2) 50-150	58

EPA 8270C Semi-Volatile Organics [EPA 8270D] Units: ug/kg (Dry W

Client ID	Water-Sewer 1	Water-Sewer 2	Water-Sewer 3
CET ID	AE43018	AE43019	AE43020
Date Analyzed	6/25/2010	6/25/2010	6/25/2010
Dilution	1.0	1.0	1.0
Naphthalene	ND < 327	ND < 323	ND < 327
2-Methyl Naphthalene	ND < 327	ND < 323	ND < 327
Acenaphthylene	ND < 327	ND < 323	390
Acenaphthene	ND < 327	ND < 323	ND < 327
Fluorene	ND < 327	ND < 323	ND < 327
Phenanthrene	ND < 327	ND < 323	580
Anthracene	ND < 327	ND < 323	ND < 327
Fluoranthene	ND < 327	440	1100
Pyrene	ND < 327	480	1200
Benzo[a]anthracene	ND < 327	350	850
Chrysene	ND < 327	410	990
Benzo[b]fluoranthene	ND < 327	570	1500
Benzo[k]fluoranthene	ND < 327	ND < 323	710
Benzo[a]pyrene	ND < 327	550	1400
Indeno[1,2,3-cd]pyrene	ND < 327	380	610
Dibenz[a,h]anthracene	ND < 327	ND < 323	ND < 327
Benzo[g,h,i]perylene	ND < 327	550	840
Nitrobenzene-d5(Surr) 30-130	66.5	54.1	73
2-Fluorobiphenyl (Surr) 30-130	68.1	65.4	66.3
Terphenyl-d14 (Surr) 30-130	57.1	59.9	59.2

EPA 8270C Semi-Volatile Organics [EPA 8270D] Units: ug/kg (Dry W

Client ID	Water-Sewer 5
CET ID	AE43022
Date Analyzed	6/25/2010
Dilution	1.0

EPA 8270C Semi-Volatile Organics [EPA 8270D] Units: ug/kg (Dry W

Client ID	Water-Sewer 5
Benzo[a]anthracene	560
Chrysene	410
Benzo[b]fluoranthene	800
Benzo[k]fluoranthene	370
Benzo[a]pyrene	690
Indeno[1,2,3-cd]pyrene	ND < 327
Dibenz[a,h]anthracene	ND < 327
Benzo[g,h,i]perylene	ND < 327
Nitrobenzene-d5(Surr) 30-130	47.1
2-Fluorobiphenyl (Surr) 30-130	78.9
Terphenyl-d14 (Surr) 30-130	36.6

Conn. Extractable TPH [CT DEP] Units: mg/kg (Dry Wt)

Client ID	Water-Sewer 1	Water-Sewer 2	Water-Sewer 3	W
CET ID	AE43018	AE43019	AE43020	A
Date Analyzed	6/23/2010	6/23/2010	6/23/2010	6/
Dilution	1.0	1.0	1.0	1.
ETPH	ND < 55	ND < 54	140*	N
Octacosane (surr) 50-150	195	99.8	96.2	97

Conn. Extractable TPH [CT DEP] Units: mg/kg (Dry Wt)

Client ID	Water-Sewer 5
CET ID	AE43022
Date Analyzed	6/23/2010
Dilution	1.0
ETPH	ND < 55
Octacosane (surr) 50-150	89

*C_{18}-C_{36} May be PNA related

Volatile Organics [EPA 8260C] Units: ug/kg (Dry Wt)

Client ID	Water-Sewer 1	Water-Sewer 2	Water
CET ID	AE43018	AE43019	AE430
Date Analyzed	6/22/2010	6/22/2010	6/22/2
Dilution	2.0	1.9	1.5
Dichlorodifluoromethane	ND < 16	ND < 16	ND <

Volatile Organics [EPA 8260C] Units: ug/kg (Dry Wt)

Client ID	Water-Sewer 1	Water-Sewer 2	Water-S
Methylene Chloride	ND < 53	ND < 52	ND < 42
Carbon Disulfide	ND < 11	ND < 11	ND < 9.
Methyl-t-Butyl Ether (MTBE)	ND < 6.0	ND < 6.0	ND < 5.
trans-1,2-Dichloroethene	ND < 6.0	ND < 6.0	ND < 5.
1,1-Dichloroethane	ND < 6.0	ND < 6.0	ND < 5.
2-Butanone (MEK)	ND < 27	ND < 26	ND < 21
2,2-Dichloropropane	ND < 6.0	ND < 6.0	ND < 5.
cis-1,2-Dichloroethene	ND < 6.0	ND < 6.0	ND < 5.
Chloroform	ND < 6.0	ND < 6.0	ND < 5.
Tetrahydrofuran	ND < 27	ND < 26	ND < 21
1,1,1-Trichloroethane	ND < 6.0	ND < 6.0	ND < 5.
Carbon Tetrachloride	ND < 6.0	ND < 6.0	ND < 5.
1,1-Dichloropropene	ND < 6.0	ND < 6.0	ND < 5.
Benzene	ND < 6.0	ND < 6.0	ND < 5.
1,2-Dichloroethane	ND < 6.0	ND < 6.0	ND < 5.
Methyl Isobutyl Ketone	ND < 27	ND < 26	ND < 21
Trichloroethene	ND < 6.0	ND < 6.0	ND < 5.
1,2-Dichloropropane	ND < 6.0	ND < 6.0	ND < 5.
Dibromomethane	ND < 6.0	ND < 6.0	ND < 5.
Bromodichloromethane	ND < 6.0	ND < 6.0	ND < 5.
2-Hexanone	ND < 27	ND < 26	ND < 21
cis-1,3-Dichloropropene	ND < 6.0	ND < 6.0	ND < 5.
Toluene	ND < 6.0	ND < 6.0	ND < 5.
trans-1,3-Dichloropropene	ND < 6.0	ND < 6.0	ND < 5.
1,1,2-Trichloroethane	ND < 6.0	ND < 6.0	ND < 5.
Tetrachloroethene	ND < 6.0	ND < 6.0	ND < 5.
1,3-Dichloropropane	ND < 6.0	ND < 6.0	ND < 5.
Dibromochloromethane	ND < 6.0	ND < 6.0	ND < 5.
1,2-Dibromoethane	ND < 6.0	ND < 6.0	ND < 5.
trans-1,4-Dichloro-2-Butene	ND < 27	ND < 26	ND < 21
Chlorobenzene	ND < 6.0	ND < 6.0	ND < 5.
1,1,1,2-Tetrachloroethane	ND < 6.0	ND < 6.0	ND < 5.
Ethylbenzene	ND < 6.0	ND < 6.0	ND < 5.
m+p Xylenes	ND < 6.0	ND < 6.0	ND < 5.
o-Xylene	ND < 6.0	ND < 6.0	ND < 5.
Styrene	ND < 6.0	ND < 6.0	ND < 5.
Bromoform	ND < 6.0	ND < 6.0	ND < 5.
Isopropylbenzene	ND < 6.0	ND < 6.0	ND < 5.
1,1,2,2-Tetrachloroethane	ND < 6.0	ND < 6.0	ND < 5.
Bromobenzene	ND < 6.0	ND < 6.0	ND < 5.
1,2,3-Trichloropropane	ND < 6.0	ND < 6.0	ND < 5.
n-Propylbenzene	ND < 6.0	ND < 6.0	ND < 5.
2-Chlorotoluene	ND < 6.0	ND < 6.0	ND < 5.
4-Chlorotoluene	ND < 6.0	ND < 6.0	ND < 5.

Volatile Organics [EPA 8260C] Units: ug/kg (Dry Wt)

Client ID	Water-Sewer 1	Water-Sewer 2	Water-
n-Butylbenzene	ND < 6.0	ND < 6.0	ND <
1,2-Dibromo-3-Chloropropane	ND < 6.0	ND < 6.0	ND <
1,2,4-Trichlorobenzene	ND < 6.0	ND < 6.0	ND <
Hexachlorobutadiene	ND < 6.0	ND < 6.0	ND <
Naphthalene	ND < 6.0	ND < 6.0	ND <
1,2,3-Trichlorobenzene	ND < 6.0	ND < 6.0	ND <
1,2 Dichloroethane-d4 (SURR) 70-130	104	106	111
toluene-d8 (SURR) 70-130	95.6	95.2	95.8
4-bromofluorobenzene (SURR) 70-130	88.3	88.9	88.5

Volatile Organics [EPA 8260C] Units: ug/kg (Dry Wt)

Client ID	Water-Sewer 5
CET ID	AE43022
Date Analyzed	6/22/2010
Dilution	1.4
Dichlorodifluoromethane	ND < 12
Chloromethane	ND < 8.0
Vinyl Chloride	ND < 4.0
Bromomethane	ND < 8.0
Chloroethane	ND < 8.0
Acetone	ND < 120
Acrylonitrile	ND < 7.0
Trichlorofluoromethane	ND < 12
Trichlorotrifluoroethane	ND < 24
1,1-Dichloroethene	ND < 4.0
Methylene Chloride	ND < 39
Carbon Disulfide	ND < 8.0
Methyl-t-Butyl Ether (MTBE)	ND < 4.0
trans-1,2-Dichloroethene	ND < 4.0
1,1-Dichloroethane	ND < 4.0
2-Butanone (MEK)	ND < 20
2,2-Dichloropropane	ND < 4.0
cis-1,2-Dichloroethene	ND < 4.0
Chloroform	ND < 4.0
Tetrahydrofuran	ND < 20
1,1,1-Trichloroethane	ND < 4.0
Carbon Tetrachloride	ND < 4.0
1,1-Dichloropropene	ND < 4.0
Benzene	ND < 4.0
1,2-Dichloroethane	ND < 4.0
Methyl Isobutyl Ketone	ND < 20

Volatile Organics [EPA 8260C] Units: ug/kg (Dry Wt)

Client ID	Water-Sewer 5
1,1,2-Trichloroethane	ND < 4.0
Tetrachloroethene	ND < 4.0
1,3-Dichloropropane	ND < 4.0
Dibromochloromethane	ND < 4.0
1,2-Dibromoethane	ND < 4.0
trans-1,4-Dichloro-2-Butene	ND < 20
Chlorobenzene	ND < 4.0
1,1,1,2-Tetrachloroethane	ND < 4.0
Ethylbenzene	ND < 4.0
m+p Xylenes	ND < 4.0
o-Xylene	ND < 4.0
Styrene	ND < 4.0
Bromoform	ND < 4.0
Isopropylbenzene	ND < 4.0
1,1,2,2-Tetrachloroethane	ND < 4.0
Bromobenzene	ND < 4.0
1,2,3-Trichloropropane	ND < 4.0
n-Propylbenzene	ND < 4.0
2-Chlorotoluene	ND < 4.0
4-Chlorotoluene	ND < 4.0
1,3,5-Trimethylbenzene	ND < 4.0
tert-Butylbenzene	ND < 4.0
1,2,4-Trimethylbenzene	ND < 4.0
sec-Butylbenzene	ND < 4.0
1,3-Dichlorobenzene	ND < 4.0
4-Isopropyltoluene	ND < 4.0
1,4-Dichlorobenzene	ND < 4.0
1,2-Dichlorobenzene	ND < 4.0
n-Butylbenzene	ND < 4.0
1,2-Dibromo-3-Chloropropane	ND < 4.0
1,2,4-Trichlorobenzene	ND < 4.0
Hexachlorobutadiene	ND < 4.0
Naphthalene	ND < 4.0
1,2,3-Trichlorobenzene	ND < 4.0
1,2 Dichloroethane-d4 (SURR) 70-130	114
toluene-d8 (SURR) 70-130	94
4-bromofluorobenzene (SURR) 70-130	84.6

Vol. Org. Dup Result [EPA 8260C] Units: ug/kg (Dry Wt)

Client ID	Water-Sewer 2
CET ID	AE43019

Vol. Org. Dup Result [EPA 8260C] Units: ug/kg (Dry Wt)

Client ID	Water-Sewer 2
Acrylonitrile	ND < 9.0
Trichlorofluoromethane	ND < 17
Trichlorotrifluoroethane	ND < 33
1,1-Dichloroethene	ND < 6.0
Methylene Chloride	ND < 54
Carbon Disulfide	ND < 11
Methyl-t-Butyl Ether (MTBE)	ND < 6.0
trans-1,2-Dichloroethene	ND < 6.0
1,1-Dichloroethane	ND < 6.0
2-Butanone (MEK)	ND < 27
2,2-Dichloropropane	ND < 6.0
cis-1,2-Dichloroethene	ND < 6.0
Chloroform	ND < 6.0
Tetrahydrofuran	ND < 27
1,1,1-Trichloroethane	ND < 6.0
Carbon Tetrachloride	ND < 6.0
1,1-Dichloropropene	ND < 6.0
Benzene	ND < 6.0
1,2-Dichloroethane	ND < 6.0
Methyl Isobutyl Ketone	ND < 27
Trichloroethene	ND < 6.0
1,2-Dichloropropane	ND < 6.0
Dibromomethane	ND < 6.0
Bromodichloromethane	ND < 6.0
2-Hexanone	ND < 27
cis-1,3-Dichloropropene	ND < 6.0
Toluene	ND < 6.0
trans-1,3-Dichloropropene	ND < 6.0
1,1,2-Trichloroethane	ND < 6.0
Tetrachloroethene	ND < 6.0
1,3-Dichloropropane	ND < 6.0
Dibromochloromethane	ND < 6.0
1,2-Dibromoethane	ND < 6.0
trans-1,4-Dichloro-2-Butene	ND < 27
Chlorobenzene	ND < 6.0
1,1,1,2-Tetrachloroethane	ND < 6.0
Ethylbenzene	ND < 6.0
m+p Xylenes	ND < 6.0
o-Xylene	ND < 6.0
Styrene	ND < 6.0
Bromoform	ND < 6.0
Isopropylbenzene	ND < 6.0
1,1,2,2-Tetrachloroethane	ND < 6.0

Vol. Org. Dup Result [EPA 8260C] Units: ug/kg (Dry Wt)

Client ID	Water-Sewer 2
sec-Butylbenzene	ND < 6.0
1,3-Dichlorobenzene	ND < 6.0
4-Isopropyltoluene	ND < 6.0
1,4-Dichlorobenzene	ND < 6.0
1,2-Dichlorobenzene	ND < 6.0
n-Butylbenzene	ND < 6.0
1,2-Dibromo-3-Chloropropane	ND < 6.0
1,2,4-Trichlorobenzene	ND < 6.0
Hexachlorobutadiene	ND < 6.0
Naphthalene	ND < 6.0
1,2,3-Trichlorobenzene	ND < 6.0
1,2 Dichloroethane-d4 (SURR) 70-130	124
toluene-d8 (SURR) 70-130	95
4-bromofluorobenzene (SURR) 70-130	85

Report Comments:

1. ND is None Detected at the specified detection limit.
2. All analyses were performed in house unless a Reference Laboratory is listed.
3. Samples will be disposed of 30 days after the report date.
4. Sample Result Flags:
   E - The result is estimated, above the calibration range.
   H - The surrogate recovery is above the control limits.
   L - The surrogate recovery is below the control limits.
   B - The compound was detected in the laboratory blank.
   P - The Relative Percent Difference (RPD) of dual column analyses exceeds 40
   D - The RPD between the sample and the sample duplicate is high. Sample ho

Sincerely,

David Ditta
Laboratory Director

Project#: 41223.00
Cet#: 10060497
Project: Water-Sewer, Middletown

| | | |

COMPLETE ENVIRONMENTAL TESTING, INC.

80Lupes Drive
Stratford, CT 06615

QA Report

Project: Water-Sewer, Middletown
CET#: 10060497

Blank/LCS Report

QA Type: Conn. Extractable TPH Date Analyzed: 6/22/2010 Batch ID: 67607

Analyte	Blank	LCS%Rec	LCS CL
ETPH	ND<50	112	60-120

All associated samples: AE43018 AE43019 AE43020 AE43021 AE43022

QA Type: Volatile Organics Date Analyzed: 6/22/2010 Batch ID: 67611

Analyte	Blank	LCS%Rec	LCS CL
Dichlorodifluoromethane	ND<10	130	70-130
Chloromethane	ND<2.7	98	70-130
Vinyl Chloride	ND<1.6	74	70-130
Bromomethane	ND<5.0	87	70-130
Chloroethane	ND<5.0	85	70-130
Acetone	ND<50	74	70-130
Acrylonitrile	ND<20	85	70-130
Trichlorofluoromethane	ND<25	82	70-130
Trichlorotrifluoroethane	ND<25	79	70-130
1,1-Dichloroethene	ND<1.0	83	70-130
Methylene Chloride	ND<5.0	104	70-130
Carbon Disulfide	ND<5.0	100	70-130
Methyl-t-Butyl Ether (MTBE)	ND<5.0	109	70-130
trans-1,2-Dichloroethene	ND<1.0	101	70-130
1,1-Dichloroethane	ND<1.0	96	70-130
2-Butanone (MEK)	ND<25	108	70-130
2,2-Dichloropropane	ND<1.0	106	70-130
cis-1,2-Dichloroethene	ND<1.0	101	70-130
Chloroform	ND<1.0	88	70-130

QA Type: Volatile Organics Date Analyzed: 6/22/2010 Batch ID: 67611

Analyte	Blank	LCS%Rec	LCS CL
1,2-Dichloropropane	ND<1.0	98	70-130
Dibromomethane	ND<1.0	102	70-130
Bromodichloromethane	ND<0.5	96	70-130
2-Hexanone	ND<25	96	70-130
cis-1,3-Dichloropropene	ND<0.5	107	70-130
Toluene	ND<1.0	101	70-130
trans-1,3-Dichloropropene	ND<0.5	100	70-130
1,1,2-Trichloroethane	ND<1.0	94	70-130
Tetrachloroethene	ND<1.0	101	70-130
1,3-Dichloropropane	ND<1.0	99	70-130
Dibromochloromethane	ND<0.5	101	70-130
1,2-Dibromoethane	ND<0.5	104	70-130
Chlorobenzene	ND<1.0	100	70-130
1,1,1,2-Tetrachloroethane	ND<1.0	97	70-130
Ethylbenzene	ND<1.0	127	70-130
m+p Xylenes	ND<1.0	105	70-130
o-Xylene	ND<1.0	110	70-130
Styrene	ND<1.0	106	70-130
Bromoform	ND<1.0	98	70-130
Isopropylbenzene	ND<1.0	112	70-130
1,1,2,2-Tetrachloroethane	ND<0.5	92	70-130
Bromobenzene	ND<1.0	102	70-130
1,2,3-Trichloropropane	ND<1.0	99	70-130
n-Propylbenzene	ND<1.0	111	70-130
2-Chlorotoluene	ND<1.0	108	70-130
4-Chlorotoluene	ND<1.0	110	70-130
1,3,5-Trimethylbenzene	ND<1.0	106	70-130
tert-Butylbenzene	ND<1.0	116	70-130
1,2,4-Trimethylbenzene	ND<1.0	101	70-130
sec-Butylbenzene	ND<1.0	114	70-130
1,3-Dichlorobenzene	ND<1.0	106	70-130
4-Isopropyltoluene	ND<1.0	115	70-130
1,4-Dichlorobenzene	ND<1.0	101	70-130
1,2-Dichlorobenzene	ND<1.0	104	70-130
n-Butylbenzene	ND<1.0	108	70-130
1,2-Dibromo-3-Chloropropane	ND<1.0	111	70-130
1,2,4-Trichlorobenzene	ND<1.0	114	70-130
Hexachlorobutadiene	ND<0.45	103	70-130
Naphthalene	ND<1.0	124	70-130
1,2,3-Trichlorobenzene	ND<1.0	110	70-130

All associated samples: AE43018 AE43019 AE43020 AE43021 AE43022

QA Type: EPA 8081B Chlorinated Pesticides Date Analyzed: 6/23/2010 Batch ID: 67

QA Type: EPA 8081B Chlorinated Pesticides Date Analyzed: 6/23/2010 Batch ID: 67

Analyte	Blank	LCS%Rec	LCS CL
4,4-DDE	ND<20	116	40-140
Dieldrin	ND<5.0	115	40-140
Endrin	ND<50	124	40-140
4,4-DDD	ND<30	112	40-140
Endosulfan II	ND<50	114	40-140
4,4-DDT	ND<20	127	40-140
Endrin Aldehyde	ND<50	80	40-140
4,4-Methoxychlor	ND<50	123	40-140
Endosulfan Sulfate	ND<50	111	40-140
Endrin Ketone	ND<50	111	40-140

All associated samples: AE43018 AE43019 AE43020 AE43021 AE43022

QA Type: Total Metals Date Analyzed: 6/24/2010 Batch ID: 67639

Analyte	Blank	LCS%Rec	LCS CL
Lead	ND<2.0	102	80-120
Selenium	ND<1.0	100	80-120
Cadmium	ND<0.5	100	80-120
Chromium	ND<2.0	102	80-120
Arsenic	ND<1.0	99	80-120
Barium	ND<2.0	103	80-120
Silver	ND<2.0	107	80-120

All associated samples: AE43018 AE43019 AE43020 AE43021 AE43022

QA Type: Total Mercury Date Analyzed: 6/24/2010 Batch ID: 67640

Analyte	Blank	LCS%Rec	LCS CL
Total Mercury	ND<0.002	108	80-120

All associated samples: AE43018 AE43019 AE43020 AE43021 AE43022

Matrix Spike Report

QA Type: Volatile Organics Date Analyzed: 6/23/2010 Sample ID: AE43018 Client ID

Analyte	SampRes	Amt	MS%R	MS CL
Dichlorodifluoromethane	ND<16	102	110	70-130
Chloromethane	ND<11	102	97	70-130
Vinyl Chloride	ND<6.0	102	80	70-130
Bromomethane	ND<11	102	95	70-130
Chloroethane	ND<11	102	93	70-130
Acetone	ND<160	204	63 L	70-130
Acrylonitrile	ND<9.0	102	88	70-130
Trichlorofluoromethane	ND<16	102	97	70-130
Trichlorotrifluoroethane	ND<32	102	95	70-130
1,1-Dichloroethene	ND<6.0	102	92	70-130
Methylene Chloride	ND<53	102	103	70-130
Carbon Disulfide	ND<11	102	102	70-130
Methyl-t-Butyl Ether (MTBE)	ND<6.0	102	97	70-130
trans-1,2-Dichloroethene	ND<6.0	102	99	70-130
1,1-Dichloroethane	ND<6.0	102	94	70-130
2-Butanone (MEK)	ND<27	204	111	70-130
2,2-Dichloropropane	ND<6.0	102	97	70-130
cis-1,2-Dichloroethene	ND<6.0	102	97	70-130
Chloroform	ND<6.0	102	88	70-130
Tetrahydrofuran	ND<27	102	121	70-130
1,1,1-Trichloroethane	ND<6.0	102	98	70-130
Carbon Tetrachloride	ND<6.0	102	99	70-130
1,1-Dichloropropene	ND<6.0	102	111	70-130
Benzene	ND<6.0	102	102	70-130
1,2-Dichloroethane	ND<6.0	102	92	70-130
Methyl Isobutyl Ketone	ND<27	204	112	70-130
Trichloroethene	ND<6.0	102	84	70-130
1,2-Dichloropropane	ND<6.0	102	92	70-130
Dibromomethane	ND<6.0	102	97	70-130
Bromodichloromethane	ND<6.0	102	90	70-130
2-Hexanone	ND<27	204	106	70-130
cis-1,3-Dichloropropene	ND<6.0	102	97	70-130
Toluene	ND<6.0	102	98	70-130
trans-1,3-Dichloropropene	ND<6.0	102	93	70-130
1,1,2-Trichloroethane	ND<6.0	102	93	70-130
Tetrachloroethene	ND<6.0	102	98	70-130
1,3-Dichloropropane	ND<6.0	102	94	70-130
Dibromochloromethane	ND<6.0	102	93	70-130

QA Type: Volatile Organics Date Analyzed: 6/23/2010 Sample ID: AE43018 Client I

Analyte	SampRes	Amt	MS%R	MS CL
1,1,2,2-Tetrachloroethane	ND<6.0	102	113	70-130
Bromobenzene	ND<6.0	102	91	70-130
1,2,3-Trichloropropane	ND<6.0	102	101	70-130
n-Propylbenzene	ND<6.0	102	103	70-130
2-Chlorotoluene	ND<6.0	102	99	70-130
4-Chlorotoluene	ND<6.0	102	93	70-130
1,3,5-Trimethylbenzene	ND<6.0	102	97	70-130
tert-Butylbenzene	ND<6.0	102	104	70-130
1,2,4-Trimethylbenzene	ND<6.0	102	94	70-130
sec-Butylbenzene	ND<6.0	102	105	70-130
1,3-Dichlorobenzene	ND<6.0	102	90	70-130
4-Isopropyltoluene	ND<6.0	102	104	70-130
1,4-Dichlorobenzene	ND<6.0	102	85	70-130
1,2-Dichlorobenzene	ND<6.0	102	87	70-130
n-Butylbenzene	ND<6.0	102	99	70-130
1,2-Dibromo-3-Chloropropane	ND<6.0	102	110	70-130
1,2,4-Trichlorobenzene	ND<6.0	102	75	70-130
Hexachlorobutadiene	ND<6.0	102	77	70-130
Naphthalene	ND<6.0	102	95	70-130
1,2,3-Trichlorobenzene	ND<6.0	102	73	70-130

QA Type: EPA 8081B Chlorinated Pesticides Date Analyzed: 6/23/2010 Sample ID: A

Analyte	SampRes	Amt	MS%R	MSD%R	MS CL	RPD
Alpha-BHC	ND<55	87.0	71	78	50-150	9.23
Gamma-BHC	ND<22	87.0	75	83	50-150	10.30
Heptachlor	ND<11	87.0	83	105	50-150	23.60
Aldrin	ND<28	87.0	71	83	50-150	14.90
Beta-BHC	ND<55	87.0	72	85	50-150	16.10
Delta-BHC	ND<55	87.0	80	94	50-150	15.80
Heptachlor Epoxide	ND<17	87.0	71	84	50-150	16.20
Endosulfan I	ND<55	87.0	75	88	50-150	16.90
4,4-DDE	ND<22	87.0	74	90	50-150	19.70
Dieldrin	ND<6.0	87.0	72	87	50-150	18.80
Endrin	ND<55	87.0	82	98	50-150	18.00
4,4-DDD	ND<33	87.0	69	85	50-150	20.90
Endosulfan II	ND<55	87.0	74	90	50-150	19.70
4,4-DDT	ND<22	87.0	87	108	50-150	21.10
Endrin Aldehyde	ND<55	87.0	54	53	50-150	2.06
4,4-Methoxychlor	ND<55	87.0	93	101	50-150	8.14
Endosulfan Sulfate	ND<55	87.0	71	84	50-150	16.20
Endrin Ketone	ND<55	87.0	74	87	50-150	17.10

Cont. Cal. Report

Compound	Batch#	Result	Limit
Volatile Organics Cont Cal			
Dichlorodifluoromethane	67611	66 H	35-65
Vinyl Chloride	67611	34 L	35-65
All associated samples: AE43018 AE43019 AE43020 AE43021 AE4302			
Semi-Vol Cont Cal			
Benzo[g,h,i]perylene	67648	33 H	17.5-
All associated samples: AE43018 AE43019 AE43020 AE43021 AE4302			

QC Batch Report

Conn. Extractable TPH Batch 67607

CET ID	Client Sample ID	Matrix	Collection Date
AE43018	Water-Sewer 1	Soil	6/21/2010
AE43019	Water-Sewer 2	Soil	6/21/2010
AE43020	Water-Sewer 3	Soil	6/21/2010
AE43021	Water-Sewer 4	Soil	6/21/2010
AE43022	Water-Sewer 5	Soil	6/21/2010

Volatile Organics Batch 67611

CET ID	Client Sample ID	Matrix	Collection Date
AE43018	Water-Sewer 1	Soil	6/21/2010
AE43019	Water-Sewer 2	Soil	6/21/2010
AE43020	Water-Sewer 3	Soil	6/21/2010
AE43021	Water-Sewer 4	Soil	6/21/2010
AE43022	Water-Sewer 5	Soil	6/21/2010

EPA 8081B Chlorinated Pesticides Batch 67626

CET ID	Client Sample ID	Matrix	Collection Date
AE43018	Water-Sewer 1	Soil	6/21/2010
AE43019	Water-Sewer 2	Soil	6/21/2010
AE43020	Water-Sewer 3	Soil	6/21/2010
AE43021	Water-Sewer 4	Soil	6/21/2010
AE43022	Water-Sewer 5	Soil	6/21/2010

Total Metals Batch 67639

CET ID	Client Sample ID	Matrix	Collection Date
AE43018	Water-Sewer 1	Soil	6/21/2010
AE43019	Water-Sewer 2	Soil	6/21/2010
AE43020	Water-Sewer 3	Soil	6/21/2010
AE43021	Water-Sewer 4	Soil	6/21/2010
AE43022	Water-Sewer 5	Soil	6/21/2010

Total Mercury Batch 67640

CET ID	Client Sample ID	Matrix	Collection Date
AE43018	Water-Sewer 1	Soil	6/21/2010

80 Lupes Drive
Stratford, CT 06615

Client: Ms. Amy Vailancourt
Vanasse Hangen Brustlin, Inc.
54 Tuttle Place
Middletown, CT 06457

Analytical Report

CET # 10060224

Report Date: June 17, 2010
Client Project: Portland Chemical, Middletown
Client Project #: 41223-00

SAMPLE SUMMARY:

This report contains analytical data associated with the following samples only:

CETID	Client Sample ID	Matrix	Collection Date
AE41852	Rubble	Solid	6/7/2010
AE41853	Ramp Soil	Solid	6/7/2010
AE41854	Ramp Concrete	Solid	6/7/2010
AE41855	Concrete Bldg	Solid	6/7/2010
AE41856	Surface Water	Water	6/7/2010

Sample temperature upon receipt was 9.3 degrees C

PREP ANALYSIS:

Acid Digestion of Waters [EPA 3005A]

Client ID	Surface Water
CET ID	AE41856
Date Analyzed	6/10/2010

Acid Digestion [EPA 3050B]

Client ID	Rubble	Ramp Soil	Ramp Concrete	Concrete Bldg
CET ID	AE41852	AE41853	AE41854	AE41855
Date Analyzed	6/10/2010	6/10/2010	6/10/2010	6/10/2010

Liquid-Liquid Extraction EPH [EPA 3510C]

Client ID	Surface Water
CET ID	AE41856
Date Analyzed	6/11/2010

Liquid-Liquid Ext Pest. [EPA 3510C]

Client ID	Surface Water
CET ID	AE41856
Date Analyzed	6/9/2010

Closed System P&T Extraction [EPA 5035A]

Client ID	Rubble	Ramp Soil
CET ID	AE41852	AE41853
Date Analyzed	6/10/2010	6/10/2010

Accelerated Solvent Extraction [EPA 3545]

Client ID	Rubble	Ramp Soil	Ramp Concrete	Concrete Bldg
CET ID	AE41852	AE41853	AE41854	AE41855
Date Analyzed	6/9/2010	6/9/2010	6/9/2010	6/9/2010

Liquid-Liquid Extraction [EPA 3510]

Client ID	Surface Water
CET ID	AE41856
Date Analyzed	6/10/2010

ANALYSIS:

Total Mercury [EPA 7470] Units: mg/l

Client ID	Surface Water
CET ID	AE41856
Date Analyzed	6/11/2010
Total Mercury	ND < 0.002

Total Mercury [EPA 7471B] Units: mg/kg (Dry Wt)

Client ID	Rubble	Ramp Soil	Ramp Concrete	Concrete Bldg
CET ID	AE41852	AE41853	AE41854	AE41855
Date Analyzed	6/10/2010	6/10/2010	6/10/2010	6/10/2010
Total Mercury	ND < 0.30	ND < 0.30	ND < 0.30	ND < 0.30

Total Solids [EPA 160.3 mo] Units: percent

Client ID	Rubble	Ramp Soil	Ramp Concrete	Concrete Bldg
CET ID	AE41852	AE41853	AE41854	AE41855
Date Analyzed	6/10/2010	6/15/2010	6/15/2010	6/15/2010
Total Solids	95	99	98	98

Total Metals [EPA 200.7] Units: mg/l

Client ID	Surface Water
CET ID	AE41856
Date Analyzed	6/11/2010
Dilution	1.0
Lead	ND < 0.013
Selenium	ND < 0.01
Cadmium	ND < 0.005
Chromium	ND < 0.05
Arsenic	ND < 0.004
Barium	0.062
Silver	ND < 0.012

Total Metals [EPA 6010C] Units: mg/kg (Dry Wt)

Client ID	Rubble	Ramp Soil	Ramp Concrete	Concrete Bldg
CET ID	AE41852	AE41853	AE41854	AE41855
Date Analyzed	6/10/2010	6/10/2010	6/10/2010	6/10/2010
Dilution	1.0	1.0	1.0	1.0
Lead	15	10	7.0	3.9
Selenium	ND < 1.5	ND < 1.5	ND < 1.5	ND < 1.5
Cadmium	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Chromium	17	22	17	10
Arsenic	1.9	ND < 1.5	2.2	3.4
Barium	74	58	170	47
Silver	ND < 2.5	ND < 2.5	ND < 2.5	ND < 2.5

EPA 8081B Chlorinated Pesticides [EPA 8081B] Units: ug/l

Client ID	Surface Water
CET ID	AE41856
Date Analyzed	6/11/2010
Dilution	1
Alpha-BHC	ND < 0.10
Gamma-BHC	ND < 0.10
Heptachlor	ND < 0.05
Aldrin	ND < 0.10
Beta-BHC	ND < 0.10
Delta-BHC	ND < 0.10
Heptachlor Epoxide	ND < 0.05
Endosulfan I	ND < 0.10
4,4-DDE	ND < 0.10
Dieldrin	ND < 0.002

EPA 8081B Chlorinated Pesticides [EPA 8081B] Units: ug/l

Client ID	Surface Water
Endrin Ketone	ND < 0.10
Chlordane	ND < 0.20
Toxaphene	ND < 0.80
TCMX (Surr 1) 50-150	62
DCB (Surr 2) 50-150	73

EPA 8270C Semi-Volatile Organics [EPA 8270D] Units: ug/kg (Dry W

Client ID	Rubble	Ramp Soil	Ramp Concrete	C
CET ID	AE41852	AE41853	AE41854	AE
Date Analyzed	6/12/2010	6/12/2010	6/12/2010	6/
Dilution	1.0	1.0	1.0	1.0
Naphthalene	ND < 316	ND < 304	ND < 307	NI
2-Methyl Naphthalene	ND < 316	ND < 304	ND < 307	NI
Acenaphthylene	330	ND < 304	ND < 307	NI
Acenaphthene	ND < 316	ND < 304	ND < 307	NI
Fluorene	ND < 316	ND < 304	ND < 307	NI
Phenanthrene	600	ND < 304	ND < 307	NI
Anthracene	ND < 316	ND < 304	ND < 307	NI
Fluoranthene	1700	ND < 304	ND < 307	NI
Pyrene	1500	ND < 304	ND < 307	NI
Benzo[a]anthracene	1000	ND < 304	ND < 307	NI
Chrysene	1100	ND < 304	ND < 307	NI
Benzo[b]fluoranthene	1600	ND < 304	ND < 307	NI
Benzo[k]fluoranthene	560	ND < 304	ND < 307	NI
Benzo[a]pyrene	1200	ND < 304	ND < 307	NI
Indeno[1,2,3-cd]pyrene	430	ND < 304	ND < 307	NI
Dibenz[a,h]anthracene	ND < 316	ND < 304	ND < 307	NI
Benzo[g,h,i]perylene	450	ND < 304	ND < 307	NI
Nitrobenzene-d5(Surr) 30-130	78.6	70.7	61	44.
2-Fluorobiphenyl (Surr) 30-130	76.6	73.8	67.8	66.
Terphenyl-d14 (Surr) 30-130	38.5	36.2	40.4	42.

Conn. Extractable TPH Dup [CT DEP] Units: mg/kg (Dry Wt)

Client ID	Ramp Soil
CET ID	AE41853
Date Analyzed	6/16/2010
Dilution	1.0
ETPH	ND < 51
Octacosane (surr)	98.9

Conn. Extractable TPH [CT DEP] Units: mg/l

Client ID	Surface Water
CET ID	AE41856
Date Analyzed	6/15/2010
Dilution	1.0
ETPH	0.32*
Octacosane (surr) 50-150	76

*C_9-C_{36} Gasoline range/Motor oil range

Conn. Extractable TPH [CT DEP] Units: mg/kg (Dry Wt)

Client ID	Rubble	Ramp Soil	Ramp Concrete	Concrete
CET ID	AE41852	AE41853	AE41854	AE41855
Date Analyzed	6/16/2010	6/16/2010	6/16/2010	6/16/201
Dilution	1.0	1.0	1.0	1.0
ETPH	410**	ND < 51	ND < 52	160***
Octacosane (surr) 50-150	112	98.8	97.6	70.2

**C_{18}-C_{36} May be PNA related/Motor oil range
***C_{18}-C_{36} Motor oil range

EPA 8270C Polynuclear Aromatics [8270D SIM] Units: ug/l

Client ID	Surface Water
CET ID	AE41856
Date Analyzed	6/12/2010
Dilution	1.0
Naphthalene	ND < 1.0
2-Methyl Naphthalene	ND < 1.0
Acenaphthylene	ND < 0.30
Acenaphthene	ND < 1.0
Fluorene	ND < 1.0
Phenanthrene	ND < 0.077
Anthracene	ND < 1.0
Fluoranthene	ND < 1.0
Pyrene	ND < 1.0
Benzo[a]anthracene	ND < 0.06
Chrysene	ND < 1.0
Benzo[b]fluoranthene	ND < 0.08
Benzo[k]fluoranthene	ND < 0.30
Benzo[a]pyrene	ND < 0.20
Indeno[1,2,3-cd]pyrene	ND < 0.20
Dibenz[a,h]anthracene	ND < 0.20
Benzo[g,h,i]perylene	ND < 1.0
Nitrobenzene-d5(Surr) 30-130	71
2-Fluorobiphenyl (Surr) 30-130	82

Volatile Organics [EPA 8260C] Units: ug/l

Client ID	Surface Water
CET ID	AE41856
Date Analyzed	6/14/2010
Dilution	1.0
Dichlorodifluoromethane	ND < 10
Chloromethane	ND < 2.7
Vinyl Chloride	ND < 1.6
Bromomethane	ND < 5.0
Chloroethane	ND < 5.0
Acetone	ND < 50
Acrylonitrile	ND < 0.50
Trichlorofluoromethane	ND < 25
Trichlorotrifluoroethane	ND < 25
1,1-Dichloroethene	ND < 1.0
Methylene Chloride	ND < 5.0
Carbon Disulfide	ND < 5.0
Methyl-t-Butyl Ether (MTBE)	ND < 5.0
trans-1,2-Dichloroethene	ND < 1.0
1,1-Dichloroethane	ND < 1.0
2-Butanone (MEK)	ND < 25
2,2-Dichloropropane	ND < 1.0
cis-1,2-Dichloroethene	18
Chloroform	ND < 1.0
Tetrahydrofuran	ND < 5.0
1,1,1-Trichloroethane	ND < 1.0
Carbon Tetrachloride	ND < 1.0
1,1-Dichloropropene	ND < 1.0
Benzene	ND < 1.0
1,2-Dichloroethane	ND < 1.0
Methyl Isobutyl Ketone	ND < 25
Trichloroethene	5.3
1,2-Dichloropropane	ND < 1.0
Dibromomethane	ND < 1.0
Bromodichloromethane	ND < 0.50
2-Hexanone	ND < 25
cis-1,3-Dichloropropene	ND < 0.50
Toluene	ND < 1.0
trans-1,3-Dichloropropene	ND < 0.50
1,1,2-Trichloroethane	ND < 1.0
Tetrachloroethene	6.1
1,3-Dichloropropane	ND < 0.50
Dibromochloromethane	ND < 0.50
1,2-Dibromoethane	ND < 0.50
trans-1,4-Dichloro-2-Butene	ND < 10
Chlorobenzene	ND < 1.0

Volatile Organics [EPA 8260C] Units: ug/l

Client ID	Surface Water
Bromobenzene	ND < 1.0
1,2,3-Trichloropropane	ND < 1.0
n-Propylbenzene	ND < 1.0
2-Chlorotoluene	ND < 1.0
4-Chlorotoluene	ND < 1.0
1,3,5-Trimethylbenzene	ND < 1.0
tert-Butylbenzene	ND < 1.0
1,2,4-Trimethylbenzene	ND < 1.0
sec-Butylbenzene	ND < 1.0
1,3-Dichlorobenzene	ND < 1.0
4-Isopropyltoluene	ND < 1.0
1,4-Dichlorobenzene	ND < 1.0
1,2-Dichlorobenzene	ND < 1.0
n-Butylbenzene	ND < 1.0
1,2-Dibromo-3-Chloropropane	ND < 1.0
1,2,4-Trichlorobenzene	ND < 1.0
Hexachlorobutadiene	ND < 0.45
Naphthalene	ND < 1.0
1,2,3-Trichlorobenzene	ND < 1.0
1,2 Dichloroethane-d4 (SURR) 70-130	95.1
toluene-d8 (SURR) 70-130	96.7
4-bromofluorobenzene (SURR) 70-130	94.3

Volatile Org. Dilution [EPA 8260C] Units: ug/kg (Dry Wt)

Client ID	Ramp Concrete	Concrete Bldg
CET ID	AE41854	AE41855
Date Analyzed	6/17/2010	6/17/2010
Dilution	88.2	86.4
Dichlorodifluoromethane	ND < 900	ND < 880
Chloromethane	ND < 240	ND < 240
Vinyl Chloride	ND < 140	ND < 140
Bromomethane	ND < 450	ND < 440
Chloroethane	ND < 450	ND < 440
Acetone	ND < 4500	ND < 4400
Acrylonitrile	ND < 1800	ND < 1800
Trichlorofluoromethane	ND < 2300	ND < 2200
Trichlorotrifluoroethane	ND < 2300	ND < 2200
1,1-Dichloroethene	ND < 90	ND < 89
Methylene Chloride	ND < 450	ND < 440
Carbon Disulfide	ND < 450	ND < 440
Methyl-t-Butyl Ether (MTBE)	ND < 450	ND < 440

Volatile Org. Dilution [EPA 8260C] Units: ug/kg (Dry Wt)

Client ID	Ramp Concrete	Concrete Bldg
Carbon Tetrachloride	ND < 90	ND < 89
1,1-Dichloropropene	ND < 90	ND < 89
Benzene	ND < 90	ND < 89
1,2-Dichloroethane	ND < 90	ND < 89
Methyl Isobutyl Ketone	ND < 2300	ND < 2200
Trichloroethene	ND < 90	ND < 89
1,2-Dichloropropane	ND < 90	ND < 89
Dibromomethane	ND < 90	ND < 89
Bromodichloromethane	ND < 90	ND < 89
2-Hexanone	ND < 2300	ND < 2200
cis-1,3-Dichloropropene	ND < 90	ND < 89
Toluene	ND < 90	ND < 89
trans-1,3-Dichloropropene	ND < 90	ND < 89
1,1,2-Trichloroethane	ND < 90	ND < 89
Tetrachloroethene	460	ND < 89
1,3-Dichloropropane	ND < 90	ND < 89
Dibromochloromethane	ND < 90	ND < 89
1,2-Dibromoethane	ND < 90	ND < 89
trans-1,4-Dichloro-2-Butene	ND < 900	ND < 880
Chlorobenzene	ND < 90	ND < 89
1,1,1,2-Tetrachloroethane	ND < 90	ND < 89
Ethylbenzene	ND < 90	ND < 89
m+p Xylenes	ND < 90	ND < 89
o-Xylene	ND < 90	ND < 89
Styrene	ND < 90	ND < 89
Bromoform	ND < 90	ND < 89
Isopropylbenzene	ND < 90	ND < 89
1,1,2,2-Tetrachloroethane	ND < 90	ND < 89
Bromobenzene	ND < 90	ND < 89
1,2,3-Trichloropropane	ND < 90	ND < 89
n-Propylbenzene	ND < 90	ND < 89
2-Chlorotoluene	ND < 90	ND < 89
4-Chlorotoluene	ND < 90	ND < 89
1,3,5-Trimethylbenzene	ND < 90	ND < 89
tert-Butylbenzene	ND < 90	ND < 89
1,2,4-Trimethylbenzene	ND < 90	ND < 89
sec-Butylbenzene	ND < 90	ND < 89
1,3-Dichlorobenzene	ND < 90	ND < 89
4-Isopropyltoluene	ND < 90	ND < 89
1,4-Dichlorobenzene	ND < 90	ND < 89
1,2-Dichlorobenzene	ND < 90	ND < 89
n-Butylbenzene	ND < 90	ND < 89
1,2-Dibromo-3-Chloropropane	ND < 90	ND < 89
1,2,4-Trichlorobenzene	ND < 90	ND < 89

Volatile Organics [EPA 8260C] Units: ug/kg (Dry Wt)

Client ID	Rubble	Ramp Soil
CET ID	AE41852	AE41853
Date Analyzed	6/9/2010	6/9/2010
Dilution	1.6	1.2
Dichlorodifluoromethane	ND < 13	ND < 10
Chloromethane	ND < 9.0	ND < 7.0
Vinyl Chloride	ND < 5.0	ND < 4.0
Bromomethane	ND < 9.0	ND < 7.0
Chloroethane	ND < 9.0	ND < 7.0
Acetone	ND < 130	ND < 93
Acrylonitrile	ND < 7.0	ND < 5.0
Trichlorofluoromethane	ND < 13	ND < 10
Trichlorotrifluoroethane	ND < 26	ND < 19
1,1-Dichloroethene	ND < 5.0	ND < 4.0
Methylene Chloride	ND < 43	ND < 31
Carbon Disulfide	ND < 9.0	ND < 7.0
Methyl-t-Butyl Ether (MTBE)	ND < 5.0	ND < 4.0
trans-1,2-Dichloroethene	ND < 5.0	ND < 4.0
1,1-Dichloroethane	ND < 5.0	ND < 4.0
2-Butanone (MEK)	ND < 22	ND < 16
2,2-Dichloropropane	ND < 5.0	ND < 4.0
cis-1,2-Dichloroethene	ND < 5.0	ND < 4.0
Chloroform	ND < 5.0	ND < 4.0
Tetrahydrofuran	ND < 22	ND < 16
1,1,1-Trichloroethane	ND < 5.0	ND < 4.0
Carbon Tetrachloride	ND < 5.0	ND < 4.0
1,1-Dichloropropene	ND < 5.0	ND < 4.0
Benzene	ND < 5.0	ND < 4.0
1,2-Dichloroethane	ND < 5.0	ND < 4.0
Methyl Isobutyl Ketone	ND < 22	ND < 16
Trichloroethene	ND < 5.0	ND < 4.0
1,2-Dichloropropane	ND < 5.0	ND < 4.0
Dibromomethane	ND < 5.0	ND < 4.0
Bromodichloromethane	ND < 5.0	ND < 4.0
2-Hexanone	ND < 22	ND < 16
cis-1,3-Dichloropropene	ND < 5.0	ND < 4.0
Toluene	ND < 5.0	ND < 4.0
trans-1,3-Dichloropropene	ND < 5.0	ND < 4.0
1,1,2-Trichloroethane	ND < 5.0	ND < 4.0
Tetrachloroethene	ND < 5.0	ND < 4.0
1,3-Dichloropropane	ND < 5.0	ND < 4.0
Dibromochloromethane	ND < 5.0	ND < 4.0
1,2-Dibromoethane	ND < 5.0	ND < 4.0
trans-1,4-Dichloro-2-Butene	ND < 22	ND < 16
Chlorobenzene	ND < 5.0	ND < 4.0

Volatile Organics [EPA 8260C] Units: ug/kg (Dry Wt)

Client ID	Rubble	Ramp Soil
Bromobenzene	ND < 5.0	ND < 4.0
1,2,3-Trichloropropane	ND < 5.0	ND < 4.0
n-Propylbenzene	ND < 5.0	ND < 4.0
2-Chlorotoluene	ND < 5.0	ND < 4.0
4-Chlorotoluene	ND < 5.0	ND < 4.0
1,3,5-Trimethylbenzene	ND < 5.0	ND < 4.0
tert-Butylbenzene	ND < 5.0	ND < 4.0
1,2,4-Trimethylbenzene	ND < 5.0	ND < 4.0
sec-Butylbenzene	ND < 5.0	ND < 4.0
1,3-Dichlorobenzene	ND < 5.0	ND < 4.0
4-Isopropyltoluene	ND < 5.0	ND < 4.0
1,4-Dichlorobenzene	ND < 5.0	ND < 4.0
1,2-Dichlorobenzene	ND < 5.0	ND < 4.0
n-Butylbenzene	ND < 5.0	ND < 4.0
1,2-Dibromo-3-Chloropropane	ND < 5.0	ND < 4.0
1,2,4-Trichlorobenzene	ND < 5.0	ND < 4.0
Hexachlorobutadiene	ND < 5.0	ND < 4.0
Naphthalene	ND < 5.0	ND < 4.0
1,2,3-Trichlorobenzene	ND < 5.0	ND < 4.0
1,2 Dichloroethane-d4 (SURR) 70-130	128	127
toluene-d8 (SURR) 70-130	97.8	101
4-bromofluorobenzene (SURR) 70-130	79.6	91.4

Report Comments:

1. ND is None Detected at the specified detection limit.
2. All analyses were performed in house unless a Reference Laboratory is listed.
3. Samples will be disposed of 30 days after the report date.
4. Sample Result Flags:
   E - The result is estimated, above the calibration range.
   H - The surrogate recovery is above the control limits.
   L - The surrogate recovery is below the control limits.
   B - The compound was detected in the laboratory blank.
   P - The Relative Percent Difference (RPD) of dual column analyses exceeds 40
   D - The RPD between the sample and the sample duplicate is high. Sample ho

Sincerely,

Project#: 41223-00
Cet#: 10060224
Project: Portland Chemical, Middletown

| | | |

COMPLETE ENVIRONMENTAL TESTING, INC.

80Lupes Drive
Stratford, CT 06615

QA Report

Project: Portland Chemical, Middletown
CET#: 10060224

Blank/LCS Report

QA Type: Volatile Organics Date Analyzed: 6/9/2010 Batch ID: 67366

Analyte	Blank	LCS%Rec	LCS CL
Dichlorodifluoromethane	ND<10	96	70-130
Chloromethane	ND<2.7	92	70-130
Vinyl Chloride	ND<1.6	46 L	70-130
Bromomethane	ND<5.0	88	70-130
Chloroethane	ND<5.0	91	70-130
Acetone	ND<50	55 L	70-130
Acrylonitrile	ND<20	77	70-130
Trichlorofluoromethane	ND<25	98	70-130
Trichlorotrifluoroethane	ND<25	86	70-130
1,1-Dichloroethene	ND<1.0	92	70-130
Methylene Chloride	ND<5.0	64 L	70-130
Carbon Disulfide	ND<5.0	79	70-130
Methyl-t-Butyl Ether (MTBE)	ND<5.0	80	70-130
trans-1,2-Dichloroethene	ND<1.0	87	70-130
1,1-Dichloroethane	ND<1.0	84	70-130
2-Butanone (MEK)	ND<25	78	70-130
2,2-Dichloropropane	ND<1.0	85	70-130
cis-1,2-Dichloroethene	ND<1.0	88	70-130
Chloroform	ND<1.0	84	70-130
Tetrahydrofuran	ND<5.0	77	70-130
1,1,1-Trichloroethane	ND<1.0	79	70-130
Carbon Tetrachloride	ND<1.0	82	70-130
1,1-Dichloropropene	ND<1.0	86	70-130
Benzene	ND<1.0	84	70-130
1,2-Dichloroethane	ND<1.0	82	70-130

QA Type: Volatile Organics Date Analyzed: 6/9/2010 Batch ID: 67366

Analyte	Blank	LCS%Rec	LCS CL
trans-1,3-Dichloropropene	ND<0.5	85	70-130
1,1,2-Trichloroethane	ND<1.0	79	70-130
Tetrachloroethene	ND<1.0	80	70-130
1,3-Dichloropropane	ND<1.0	80	70-130
Dibromochloromethane	ND<0.5	78	70-130
1,2-Dibromoethane	ND<0.5	77	70-130
Chlorobenzene	ND<1.0	78	70-130
1,1,1,2-Tetrachloroethane	ND<1.0	75	70-130
Ethylbenzene	ND<1.0	80	70-130
m+p Xylenes	ND<1.0	79	70-130
o-Xylene	ND<1.0	81	70-130
Styrene	ND<1.0	81	70-130
Bromoform	ND<1.0	74	70-130
Isopropylbenzene	ND<1.0	81	70-130
1,1,2,2-Tetrachloroethane	ND<0.5	75	70-130
Bromobenzene	ND<1.0	79	70-130
1,2,3-Trichloropropane	ND<1.0	72	70-130
n-Propylbenzene	ND<1.0	82	70-130
2-Chlorotoluene	ND<1.0	89	70-130
4-Chlorotoluene	ND<1.0	74	70-130
1,3,5-Trimethylbenzene	ND<1.0	79	70-130
tert-Butylbenzene	ND<1.0	81	70-130
1,2,4-Trimethylbenzene	ND<1.0	79	70-130
sec-Butylbenzene	ND<1.0	81	70-130
1,3-Dichlorobenzene	ND<1.0	78	70-130
4-Isopropyltoluene	ND<1.0	83	70-130
1,4-Dichlorobenzene	ND<1.0	77	70-130
1,2-Dichlorobenzene	ND<1.0	78	70-130
n-Butylbenzene	ND<1.0	82	70-130
1,2-Dibromo-3-Chloropropane	ND<1.0	74	70-130
1,2,4-Trichlorobenzene	ND<1.0	72	70-130
Hexachlorobutadiene	ND<0.45	71	70-130
Naphthalene	ND<1.0	95	70-130
1,2,3-Trichlorobenzene	ND<1.0	70	70-130

All associated samples: AE41852 AE41853

QA Type: EPA 8270C Semi-Volatile Organics Date Analyzed: 6/11/2010 Batch ID: 67

Analyte	Blank	LCS%Rec	LCS CL
Naphthalene	ND<300	75	40-140
2-Methyl Naphthalene	ND<300	85	40-140
Acenaphthylene	ND<300	76	40-140
Acenaphthene	ND<300	75	40-140
Fluorene	ND<300	75	40-140
Phenanthrene	ND<300	81	40-140

QA Type: EPA 8270C Semi-Volatile Organics Date Analyzed: 6/11/2010 Batch ID: 6

Analyte	Blank	LCS%Rec	LCS CL
Indeno[1,2,3-cd]pyrene	ND<300	81	40-140
Dibenz[a,h]anthracene	ND<300	79	40-140
Benzo[g,h,i]perylene	ND<300	83	40-140

All associated samples: AE41852 AE41853 AE41854 AE41855

QA Type: Total Metals Date Analyzed: 6/10/2010 Batch ID: 67376

Analyte	Blank	LCS%Rec	LCS CL
Lead	ND<2.0	98	80-120
Selenium	ND<1.0	100	80-120
Cadmium	ND<0.5	98	80-120
Chromium	ND<2.0	97	80-120
Arsenic	ND<1.0	99	80-120
Barium	ND<2.0	96	80-120
Silver	ND<2.0	100	80-120

All associated samples: AE41852 AE41853 AE41854 AE41855

QA Type: Total Mercury Date Analyzed: 6/10/2010 Batch ID: 67379

Analyte	Blank	LCS%Rec	LCS CL
Total Mercury	ND<0.002	92	80-120

All associated samples: AE41852 AE41853 AE41854 AE41855

QA Type: Total Mercury Date Analyzed: 6/11/2010 Batch ID: 67404

Analyte	Blank	LCS%Rec	LCS CL
Total Mercury	ND<0.002	100	90-110

All associated samples: AE41856

QA Type: Total Metals Date Analyzed: 6/11/2010 Batch ID: 67406

Analyte	Blank	LCS%Rec	LCS CL
Lead	ND<0.013	99	85-115
Selenium	ND<0.01	96	85-115
Cadmium	ND<0.005	102	85-115
Chromium	ND<0.05	99	85-115
Arsenic	ND<0.004	100	85-115
Barium	ND<0.05	100	85-115
Silver	ND<0.012	102	85-115

All associated samples: AE41856

QA Type: Total Metals Date Analyzed: 6/11/2010 Batch ID: 67407

Analyte	Blank	LCS%Rec	LCS CL
Lead	ND<0.013	99	85-115
Selenium	ND<0.01	96	85-115
Cadmium	ND<0.005	102	85-115
Chromium	ND<0.05	99	85-115
Arsenic	ND<0.004	100	85-115

QA Type: Volatile Organics Date Analyzed: 6/13/2010 Batch ID: 67417

Analyte	Blank	LCS%Rec	LCS CL
Dichlorodifluoromethane	ND<10	170 H	70-130
Chloromethane	ND<2.7	162 H	70-130
Vinyl Chloride	ND<1.6	148 H	70-130
Bromomethane	ND<5.0	140 H	70-130
Chloroethane	ND<5.0	127	70-130
Acetone	ND<50	95	70-130
Acrylonitrile	ND<20	108	70-130
Trichlorofluoromethane	ND<25	130	70-130
Trichlorotrifluoroethane	ND<25	102	70-130
1,1-Dichloroethene	ND<1.0	112	70-130
Methylene Chloride	ND<5.0	98	70-130
Carbon Disulfide	ND<5.0	103	70-130
Methyl-t-Butyl Ether (MTBE)	ND<5.0	112	70-130
trans-1,2-Dichloroethene	ND<1.0	107	70-130
1,1-Dichloroethane	ND<1.0	104	70-130
2-Butanone (MEK)	ND<25	106	70-130
2,2-Dichloropropane	ND<1.0	125	70-130
cis-1,2-Dichloroethene	ND<1.0	111	70-130
Chloroform	ND<1.0	101	70-130
Tetrahydrofuran	ND<5.0	86	70-130
1,1,1-Trichloroethane	ND<1.0	106	70-130
Carbon Tetrachloride	ND<1.0	114	70-130
1,1-Dichloropropene	ND<1.0	109	70-130
Benzene	ND<1.0	103	70-130
1,2-Dichloroethane	ND<1.0	99	70-130
Methyl Isobutyl Ketone	ND<25	104	70-130
Trichloroethene	ND<1.0	102	70-130
1,2-Dichloropropane	ND<1.0	105	70-130
Dibromomethane	ND<1.0	116	70-130
Bromodichloromethane	ND<0.5	111	70-130
2-Hexanone	ND<25	102	70-130
cis-1,3-Dichloropropene	ND<0.5	112	70-130
Toluene	ND<1.0	102	70-130
trans-1,3-Dichloropropene	ND<0.5	112	70-130
1,1,2-Trichloroethane	ND<1.0	111	70-130
Tetrachloroethene	ND<1.0	104	70-130
1,3-Dichloropropane	ND<1.0	109	70-130
Dibromochloromethane	ND<0.5	93	70-130
1,2-Dibromoethane	ND<0.5	106	70-130
Chlorobenzene	ND<1.0	99	70-130
1,1,1,2-Tetrachloroethane	ND<1.0	99	70-130
Ethylbenzene	ND<1.0	96	70-130
m+p Xylenes	ND<1.0	99	70-130
o-Xylene	ND<1.0	95	70-130
Styrene	ND<1.0	96	70-130
[illegible]	ND<1.0	113	70-130

QA Type: Volatile Organics Date Analyzed: 6/13/2010 Batch ID: 67417

Analyte	Blank	LCS%Rec	LCS CL
1,3,5-Trimethylbenzene	ND<1.0	94	70-130
tert-Butylbenzene	ND<1.0	100	70-130
1,2,4-Trimethylbenzene	ND<1.0	93	70-130
sec-Butylbenzene	ND<1.0	98	70-130
1,3-Dichlorobenzene	ND<1.0	91	70-130
4-Isopropyltoluene	ND<1.0	100	70-130
1,4-Dichlorobenzene	ND<1.0	96	70-130
1,2-Dichlorobenzene	ND<1.0	97	70-130
n-Butylbenzene	ND<1.0	100	70-130
1,2-Dibromo-3-Chloropropane	ND<1.0	107	70-130
1,2,4-Trichlorobenzene	ND<1.0	104	70-130
Hexachlorobutadiene	ND<0.45	120	70-130
Naphthalene	ND<1.0	113	70-130
1,2,3-Trichlorobenzene	ND<1.0	104	70-130

All associated samples: AE41856

QA Type: EPA 8081B Chlorinated Pesticides Date Analyzed: 6/11/2010 Batch ID: 67

Analyte	Blank	LCS%Rec	LCS CL
Alpha-BHC	ND<0.10	77	40-140
Gamma-BHC	ND<0.10	77	40-140
Heptachlor	ND<0.10	93	40-140
Aldrin	ND<0.10	77	40-140
Beta-BHC	ND<0.10	77	40-140
Delta-BHC	ND<0.10	97	40-140
Heptachlor Epoxide	ND<0.10	78	40-140
Endosulfan I	ND<0.10	81	40-140
4,4-DDE	ND<0.10	81	40-140
Dieldrin	ND<0.002	78	40-140
Endrin	ND<0.10	88	40-140
4,4-DDD	ND<0.10	79	40-140
Endosulfan II	ND<0.10	82	40-140
4,4-DDT	ND<0.10	92	40-140
Endrin Aldehyde	ND<0.10	60	40-140
4,4-Methoxychlor	ND<0.10	100	40-140
Endosulfan Sulfate	ND<0.10	85	40-140
Endrin Ketone	ND<0.10	83	40-140

All associated samples: AE41856

QA Type: EPA 8270C Polynuclear Aromatics (SIM) Date Analyzed: 6/11/2010 Batch I

Analyte	Blank	LCS%Rec	LCS CL
Naphthalene	ND<1.0	50	40-140
2-Methyl Naphthalene	ND<1.0	50	40-140
Acenaphthylene	ND<0.30	55	40-140
Acenaphthene	ND<1.0	55	40-140
Fluorene	ND<1.0	60	40-140

QA Type: EPA 8270C Polynuclear Aromatics (SIM) Date Analyzed: 6/11/2010 Batch II

Analyte	Blank	LCS%Rec	LCS CL
Benzo[a]pyrene	ND<0.20	70	40-140
Indeno[1,2,3-cd]pyrene	ND<0.20	75	40-140
Dibenz[a,h]anthracene	ND<0.20	85	40-140
Benzo[g,h,i]perylene	ND<1.0	55	40-140

All associated samples: AE41856

QA Type: Conn. Extractable TPH Date Analyzed: 6/15/2010 Batch ID: 67434

Analyte	Blank	LCS%Rec	LCS CL
ETPH	ND<0.10	79	60-120

All associated samples: AE41856

QA Type: Conn. Extractable TPH Date Analyzed: 6/15/2010 Batch ID: 67440

Analyte	Blank	LCS%Rec	LCS CL
ETPH	ND<50	95	60-120

All associated samples: AE41853

QA Type: Conn. Extractable TPH Date Analyzed: 6/16/2010 Batch ID: 67466

Analyte	Blank	LCS%Rec	LCS CL
ETPH	ND<50	107	60-120

All associated samples: AE41854 AE41855

QA Type: Conn. Extractable TPH Date Analyzed: 6/15/2010 Batch ID: 67467

Analyte	Blank	LCS%Rec	LCS CL
ETPH	ND<50	101	60-120

All associated samples: AE41852

QA Type: Volatile Org. Dilution Date Analyzed: 6/16/2010 Batch ID: 67488

Analyte	Blank	LCS%Rec	LCS CL
Dichlorodifluoromethane	ND<25	88	70-130
Chloromethane	ND<5.0	93	70-130
Vinyl Chloride	ND<5.0	83	70-130
Bromomethane	ND<5.0	87	70-130
Chloroethane	ND<5.0	91	70-130
Acetone	ND<100	64 L	70-130
Acrylonitrile	ND<100	88	70-130
Trichlorofluoromethane	ND<5.0	84	70-130
Trichlorotrifluoroethane	ND<25	102	70-130
1,1-Dichloroethene	ND<5.0	98	70-130
Methylene Chloride	ND<5.0	91	70-130
Carbon Disulfide	ND<5.0	118	70-130
Methyl-t-Butyl Ether (MTBE)	ND<5.0	104	70-130
trans-1,2-Dichloroethene	ND<5.0	96	70-130
1,1-Dichloroethane	ND<5.0	87	70-130
2-Butanone (MEK)	ND<25	95	70-130
	ND<5.0	146 H	70-130

QA Type: Volatile Org. Dilution Date Analyzed: 6/16/2010 Batch ID: 67488

Analyte	Blank	LCS%Rec	LCS CL
1,2-Dichloroethane	ND<5.0	92	70-130
Methyl Isobutyl Ketone	ND<25	92	70-130
Trichloroethene	ND<5.0	101	70-130
1,2-Dichloropropane	ND<5.0	95	70-130
Dibromomethane	ND<5.0	104	70-130
Bromodichloromethane	ND<5.0	94	70-130
2-Hexanone	ND<25	91	70-130
cis-1,3-Dichloropropene	ND<5.0	89	70-130
Toluene	ND<5.0	97	70-130
trans-1,3-Dichloropropene	ND<5.0	89	70-130
1,1,2-Trichloroethane	ND<5.0	93	70-130
Tetrachloroethene	ND<5.0	102	70-130
1,3-Dichloropropane	ND<5.0	98	70-130
Dibromochloromethane	ND<5.0	97	70-130
1,2-Dibromoethane	ND<5.0	100	70-130
Chlorobenzene	ND<5.0	94	70-130
1,1,1,2-Tetrachloroethane	ND<5.0	93	70-130
Ethylbenzene	ND<5.0	95	70-130
m+p Xylenes	ND<5.0	99	70-130
o-Xylene	ND<5.0	102	70-130
Styrene	ND<5.0	94	70-130
Bromoform	ND<5.0	93	70-130
Isopropylbenzene	ND<5.0	96	70-130
1,1,2,2-Tetrachloroethane	ND<5.0	97	70-130
Bromobenzene	ND<5.0	95	70-130
1,2,3-Trichloropropane	ND<5.0	92	70-130
n-Propylbenzene	ND<5..0	100	70-130
2-Chlorotoluene	ND<5.0	101	70-130
4-Chlorotoluene	ND<5.0	97	70-130
1,3,5-Trimethylbenzene	ND<5.0	93	70-130
tert-Butylbenzene	ND<5.0	97	70-130
1,2,4-Trimethylbenzene	ND<5.0	92	70-130
sec-Butylbenzene	ND<5.0	98	70-130
1,3-Dichlorobenzene	ND<5.0	102	70-130
4-Isopropyltoluene	ND<5.0	99	70-130
1,4-Dichlorobenzene	ND<5.0	98	70-130
1,2-Dichlorobenzene	ND<5.0	105	70-130
n-Butylbenzene	ND<5.0	104	70-130
1,2-Dibromo-3-Chloropropane	ND<5.0	112	70-130
1,2,4-Trichlorobenzene	ND<5.0	120	70-130
Hexachlorobutadiene	ND<5.0	114	70-130
Naphthalene	ND<5.0	126	70-130
1,2,3-Trichlorobenzene	ND<5.0	120	70-130

All associated samples: AE41854 AE41855

Matrix Spike Report

QA Type: Conn. Extractable TPH Date Analyzed: 6/16/2010 Sample ID: AE41853 C

Analyte	SampRes	Amt	MS%R	MSD%R	MS CL	RPD	RPD C
ETPH	ND<51	1520	90	88	50-150	2.13	30

ND is not detected

Cont. Cal. Report

Compound	Batch#	Result	Lim
Volatile Organics Cont Cal			
Vinyl Chloride	67366	34 L	35-6
Methylene Chloride	67366	34 L	35-6
All associated samples: AE41852 AE41853			
Pesticides Primary Cont Cal			
Delta-BHC	67423	59.953 H	42.5
All associated samples: AE41856			
Volatile Organics Cont Cal			
Acetone	67488	60 L	70-1
2,2-Dichloropropane	67488	69 H	35-6
All associated samples: AE41854 AE41855			

QC Batch Report

Volatile Organics Batch 67366

CET ID	Client Sample ID	Matrix	Collection Date
AE41852	Rubble	Solid	6/7/2010
AE41853	Ramp Soil	Solid	6/7/2010

EPA 8270C Semi-Volatile Organics Batch 67369

CET ID	Client Sample ID	Matrix	Collection Date
AE41852	Rubble	Solid	6/7/2010
AE41853	Ramp Soil	Solid	6/7/2010
AE41854	Ramp Concrete	Solid	6/7/2010
AE41855	Concrete Bldg	Solid	6/7/2010

Total Metals Batch 67376

CET ID	Client Sample ID	Matrix	Collection Date
AE41852	Rubble	Solid	6/7/2010
AE41853	Ramp Soil	Solid	6/7/2010
AE41854	Ramp Concrete	Solid	6/7/2010
AE41855	Concrete Bldg	Solid	6/7/2010

Total Mercury Batch 67379

CET ID	Client Sample ID	Matrix	Collection Date
AE41852	Rubble	Solid	6/7/2010
AE41853	Ramp Soil	Solid	6/7/2010
AE41854	Ramp Concrete	Solid	6/7/2010
AE41855	Concrete Bldg	Solid	6/7/2010

Total Mercury Batch 67404

CET ID	Client Sample ID	Matrix	Collection Date
AE41856	Surface Water	Water	6/7/2010

Total Metals Batch 67406

CET ID	Client Sample ID	Matrix	Collection Date
AE41856	Surface Water	Water	6/7/2010

Volatile Organics Batch 67417

CET ID	Client Sample ID	Matrix	Collection Date
AE41856	Surface Water	Water	6/7/2010

EPA 8081B Chlorinated Pesticides Batch 67423

CET ID	Client Sample ID	Matrix	Collection Date
AE41856	Surface Water	Water	6/7/2010

EPA 8270C Polynuclear Aromatics (SIM) Batch 67428

CET ID	Client Sample ID	Matrix	Collection Date
AE41856	Surface Water	Water	6/7/2010

Conn. Extractable TPH Batch 67434

CET ID	Client Sample ID	Matrix	Collection Date
AE41856	Surface Water	Water	6/7/2010

Conn. Extractable TPH Batch 67440

CET ID	Client Sample ID	Matrix	Collection Date
AE41853	Ramp Soil	Solid	6/7/2010

Conn. Extractable TPH Batch 67466

CET ID	Client Sample ID	Matrix	Collection Date
AE41854	Ramp Concrete	Solid	6/7/2010
AE41855	Concrete Bldg	Solid	6/7/2010

Conn. Extractable TPH Batch 67467

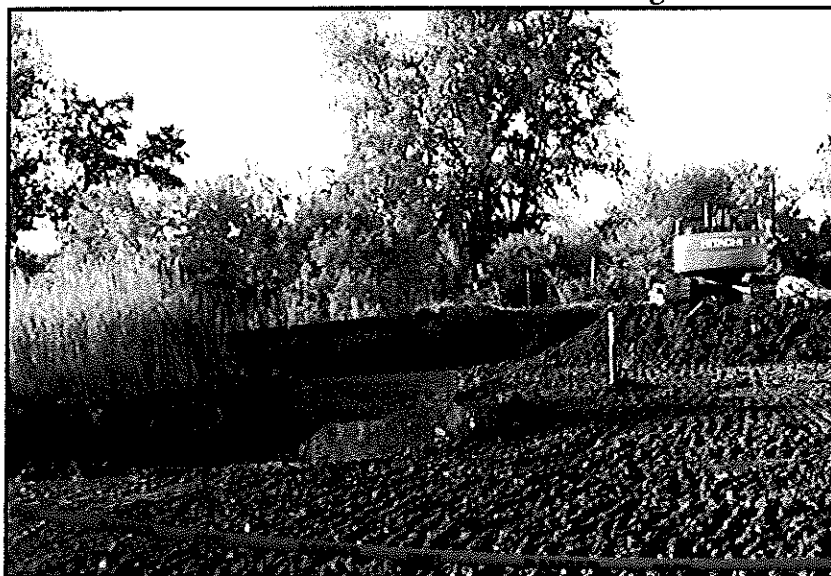
CET ID	Client Sample ID	Matrix	Collection Date
AE41852	Rubble	Solid	6/7/2010

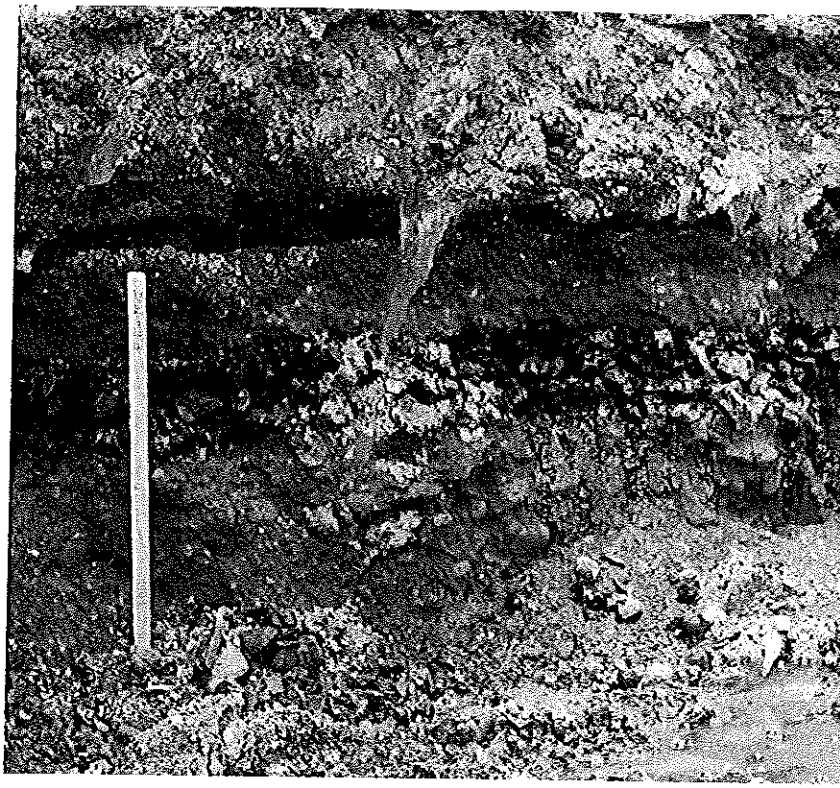
Volatile Org. Dilution Batch 67488

CET ID	Client Sample ID	Matrix	Collection Date
AE41854	Ramp Concrete	Solid	6/7/2010
AE41855	Concrete Bldg	Solid	6/7/2010

Photographic Do

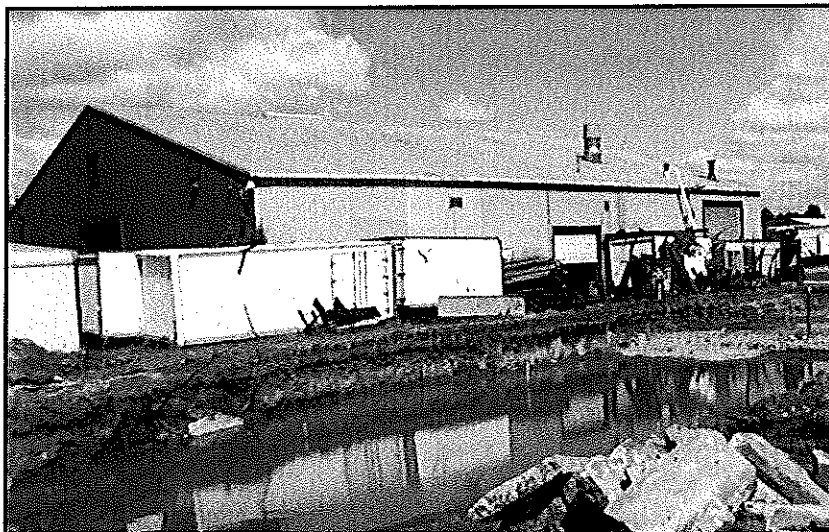
View of excavation looking south to nort



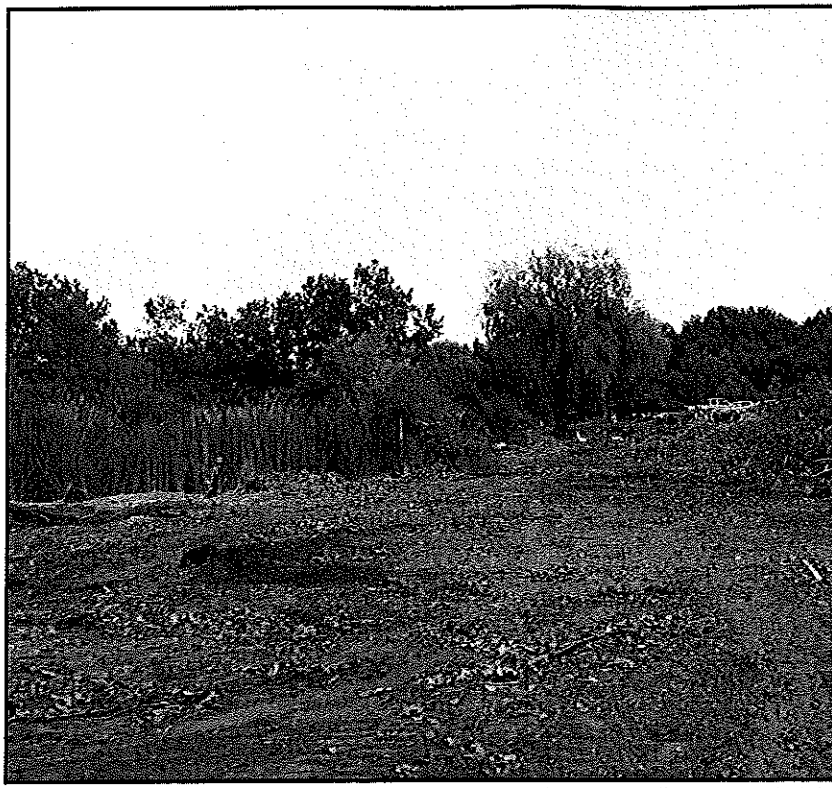


View of black oily layer along northwestern edge of

View of rubble pile located on the south western corner



Vanasse Hangen Brustlin, Inc.
Photograph Documentation
680 (Rear) Newfield Street– Middletown, Conn



View of property after backfilling activitie