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364757

UNITED STATES
ENVIRONMENTAL PROTECTION AGENCY

OUTBOARD MARINE CORPORATION PLANT #2

WAUKEGAN, LAKE COUNTY, ILLINOIS

USEPA Removal Action Summary Report

TDD No.: S05-0305-004
Contract No.: 68-W-00-129

Prepared for:
U.S. Environmental Protection Agency
Region 5 Emergency Response Branch
77 West Jackson Boulevard
Chicago, IL 60604

Prepared by:

Tetra Tech EM Inc.

Tetra Tech EM Inc.

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Dec 12, 2003

Mr. Kenneth Theisen
On-Scene Coordinator
U.S. Environmental Protection Agency
77 W. Jackson Blvd. SE-5J
Chicago, Illinois 60604

Subject: **EPA Removal Action Summary Report**
Outboard Marine Corporation Plant #2
Waukegan, Lake County, Illinois
Technical Direction Document No. S05-0305-004
Tetra Tech Contract No. 68-W-00-129

Dear Mr. Theisen:

The Tetra Tech EM Inc. (Tetra Tech) Superfund Technical Assessment and Response Team (START) is submitting the enclosed Environmental Protection Agency (EPA) removal action summary report for the Outboard Marine Corporation (OMC) Plant #2 in Waukegan, Illinois. Tetra Tech was the START contractor present during the 9-week removal activities performed by EPA's contractor Environment Quality Management, Inc. (EQM).

If you have any questions or comments about the report or need additional copies, please contact me at (262) 879-0175 ext. 225.

Sincerely,

Ken Brown

Ken Brown, CHMM
Environmental Scientist

Enclosure

cc: Lorraine Kosik, U.S. EPA START Project Officer
Thomas Kouris, Tetra Tech START Program Manager

contains recycled fiber and is recyclable

Tetra Tech EM Inc.

175 N. Corporate Drive, Suite 105 ◆ Brookfield, WI 53045 ◆ (262) 879-0175 ◆ FAX (262) 879-0323

ENVIRONMENTAL PROTECTION AGENCY
REMOVAL ACTION SUMMARY REPORT
OUTBOARD MARINE CORPORATION PLANT #2
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Date Prepared:	Dec 12, 2003
Contract No.:	68-W-00-129
Prepared by:	Tetra Tech EM Inc.
Tetra Tech START Project Manager:	Ken Brown
Telephone No.:	(262)879-0175 ext. 225
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ACRONYMS AND ABBREVIATIONS

ACM	Asbestos containing material
AOC	Area of concern
bgs	Below ground surface
Bombardier	Bombardier Motor Corporation
Btu/lb	British thermal units per pound
CFR	Code of Federal Regulations
cm	Centimeter
CW	Chip wringer
DOJ	United States Department of Justice
DOT	United States Department of Transportation
EI	Environment, Inc.
EOX	Extractable organic halides
ERRS	Emergency and Rapid Response Services
EQM	Environmental Quality Management, Inc.
°F	Degrees Fahrenheit
GPR	Ground penetrating radar
ID	Identification
IEPA	Illinois Environmental Protection Agency
Kitson	Kitson Environmental Services, Inc.
µg	Microgram
µg/kg	Microgram per kilogram
µg/l	Microgram per liter
$\mu g/m^3$	Microgram per cubic meter
$\mu g/100\ cm^2$	Microgram per 100 square centimeters
mg/kg	Milligram per kilogram
mg/l	Milligram per liter
MW	Metal working
#	Number
NIOSH	National Institute for Occupational Safety and Health
O & G	Oil and grease
OMC	Outboard Marine Corporation
PA/VSI	Preliminary assessment/visual site inspection
PCB	Polychlorinated biphenyl
ppb	Parts per billion
ppm	Parts per million
PRP	Potentially responsible party
START	Superfund Technical Assessment and Response Team
SWMU	Solid waste management unit
TDD	Technical Direction Document
TechLaw	TechLaw, Inc.
TCE	Trichloroethene
TCLP	Toxicity Characteristic Leaching Procedure
Tetra Tech	Tetra Tech EM, Inc.
TPH	Total petroleum hydrocarbons
TSCA	Toxic Substances Control Act

ACRONYMS AND ABBREVIATIONS continued

TWA	Time weighted average
U.S. EPA	United States Environmental Protection Agency
USGS	United States Geological Survey
UST	Underground storage tank
VOC	Volatile organic compound

1.0 INTRODUCTION

Under Technical Direction Document (TDD) No. S05-0305-004, the United States Environmental Protection Agency (U.S. EPA) tasked the Tetra Tech EM Inc. (Tetra Tech) Superfund Technical Assessment and Response Team (START) to perform oversight of waste removal activities at the Outboard Marine Corporation (OMC) Plant Number 2 (#2) site in Waukegan, Lake County, Illinois. The removal activities were performed by U.S. EPA's Emergency and Rapid Response Services (ERRS) contractor, Environmental Quality Management, Inc. (EQM), of Cincinnati, Ohio. The OMC Trust had previously conducted waste removal activities in fall 2002. Specifically, START was assigned to develop a field sampling plan; perform oversight of removal activities performed by the ERRS contractor; collect waste, wipe, and air samples; develop an inventory of waste materials removed; provide site photographic documentation; provide a written log documenting all on-site activities; and prepare this U.S. EPA removal summary report.

The U.S. EPA Removal Branch directed START to determine the threats to human health and the environment through a site investigation and sampling at Plant #2 (Tetra Tech 2002). The purpose of the site investigation was to determine the number and locations of samples to be collected and to decide whether an imminent and substantial endangerment to public health and/or the environment existed. In March 2002, U.S. EPA's On Scene Coordinator and Office of Regional Counsel, U.S. Department of Justice (DOJ) attorneys, Bombardier Motor Corporation (Bombardier) technical and legal staff who had purchased some assets in Plant #2, OMC Trust technical and legal staff, and START personnel performed a site walkthrough. As a result of the walkthrough, the following threats associated with materials left on site were identified:

- Fire and explosion threat from flammable liquids including gasoline, large quantities of hydraulic fluid, and various solvents
- Imminent and substantial endangerment to public health and the environment due to the existence of large quantities of liquid wastes, both hazardous and nonhazardous, stored in drums, totes (300-gallon containers), and tanks
- Exposure to polychlorinated biphenyls (PCB) from the floor and machine surfaces detected in wipe samples at concentrations that exceeded 10 micrograms per 100 cubic centimeters ($\mu g/100\ cm^2$)

- Exposure to acidic and alkaline corrosives present in drums and totes at various locations throughout the plant. These include nitric, hydrochloric, and hydrofluoric acids, and sodium hydroxide.

- Releases of PCB-contaminated waste oils, observed in catch basins and storm sewers outside the chip wringer room.

- Exposure to friable asbestos observed on pressure vessels and associated piping in the north boiler room.

In August 2002, OMC Trust conducted waste removal activities at Plant #2 to address U.S. EPA concerns. Environment, Inc. (EI) was hired by OMC Trust and Bombardier to remove wastes, decontaminate equipment, and drain and refill transformers. The OMC Trust removal activities, which addressed most of the threats identified during the site walkthrough, were completed on November 20, 2002 with the refilling of transformers with new dielectric fluid in compliance with U.S. EPA's consent order dated July 17, 2002. The OMC Trust abandoned the Plant #2 property on December 10, 2002.

U.S. EPA's activities consisted of waste disposal, floor decontamination, site security, operation and maintenance of three sediment containment cells, waste delineation activities around the plant, and draining and disposal of PCB-contaminated transformer fluid.

Section 2.0 of this report discusses site background information. Section 3.0 discusses U.S. EPA removal activities, including waste removal, floor decontamination, tunnel inspections, soil and groundwater sampling, asbesos removal, and transformer draining activities. Section 4.0 summarizes START's findings during the oversight activities. References cited in the report are listed after Section 4.0. Appendix A provides photographs of U.S. EPA waste removal activities. Appendix B provides START's field notes. Appendix C provides manifests for all wastes shipped off site. Appendix D provides validated analytical results for the samples collected by START.

2.0 BACKGROUND INFORMATION

This section discusses OMC Plant #2's location and description as well as its history.

2.1 SITE LOCATION AND DESCRIPTION

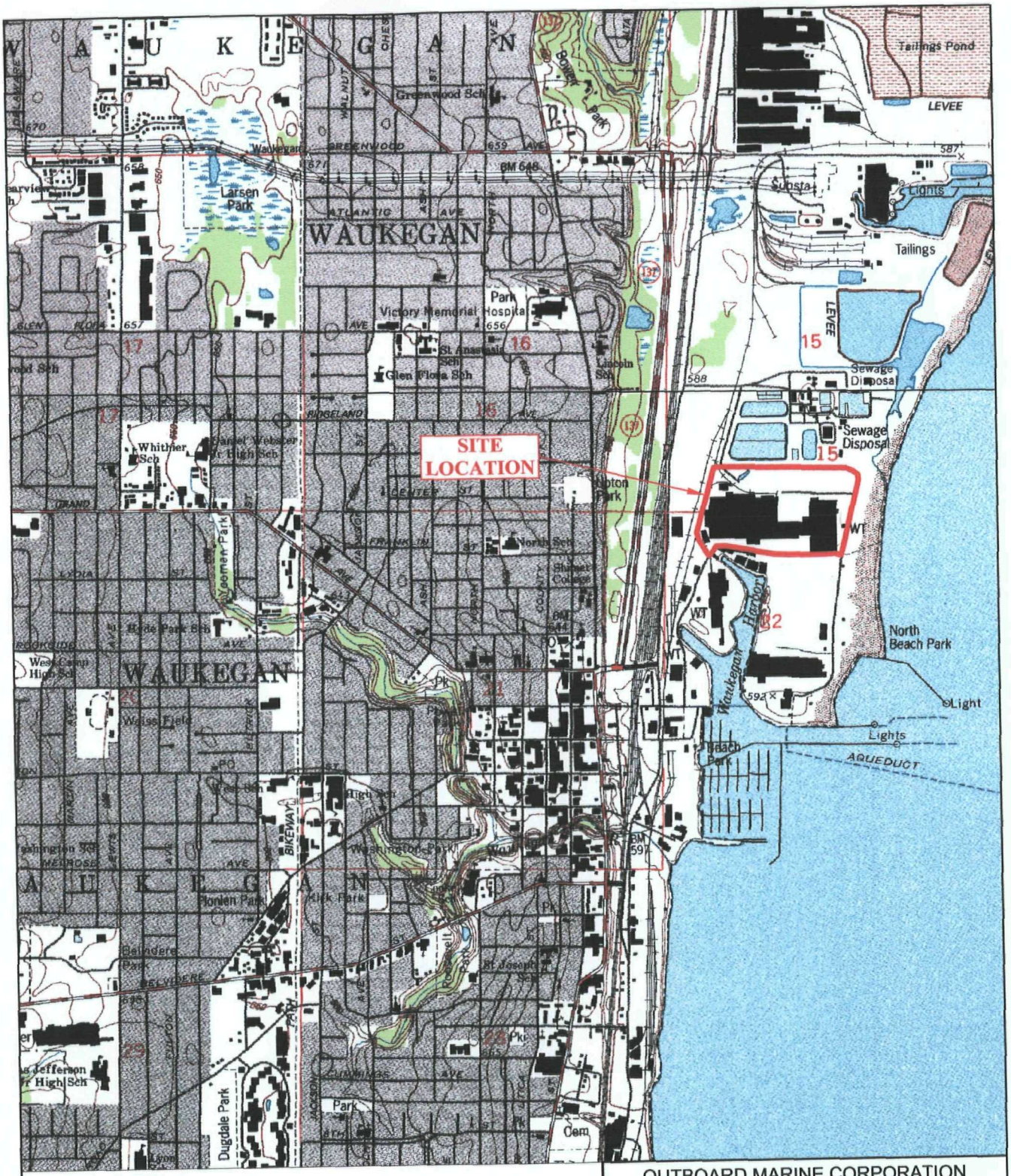
Removal activities summarized in this report were performed at OMC Plant #2, located at 90 Sea Horse Drive in Waukegan, Lake County, Illinois (see Figure 1). Plant #2 is bordered to the north by a ditch (North Ditch) and the North Shore Sanitary District plant; to the east by public beaches on Lake Michigan; to the south by Sea Horse Drive; and to the west by the Elgin, Joliet, and Eastern Railroad. South of Plant #2 between Sea Horse Drive and Plant #1 is the Waukegan Coke Plant Superfund site (which is owned by OMC) and the National Gypsum Company facility (see Figure 2).

In December 2000, OMC filed for bankruptcy under Chapter 11 and ceased operations at Plant #2. Bombardier bought OMC assets, including product lines, facilities, and Plant #1, which it currently operates. The Plant #2 building measures about 1,036,000 square feet and has been divided into five large areas (see Figure 3): (1) the new die cast area, (2) the grit blasting area, (3) the metal working area, (4) the parts storage area, and (5) the old die cast area. Pipe chases lie beneath the flooring at the eastern and western ends of Plant #2. Several drainage systems are present under various plant areas, and some of the drains are reportedly plugged (Tetra Tech 2002).

2.2 SITE HISTORY

Construction of the Plant #2 building began in 1949. Plant #2 was used for manufacturing operations that included aluminum smelting and holding, aluminum die casting, aluminum machining, polishing and finishing, spray painting, parts assembly, parts washing, chromate conversion coating, and wastewater pretreatment (TechLaw, Inc. [TechLaw] 2001).

OMC used large quantities of hydraulic fluid containing PCBs in its die casting operations from approximately 1961 to 1972. In the 1980s, sediment in Slip 3 of Waukegan Harbor was found to contain



0 1000 2000
SCALE IN FEET

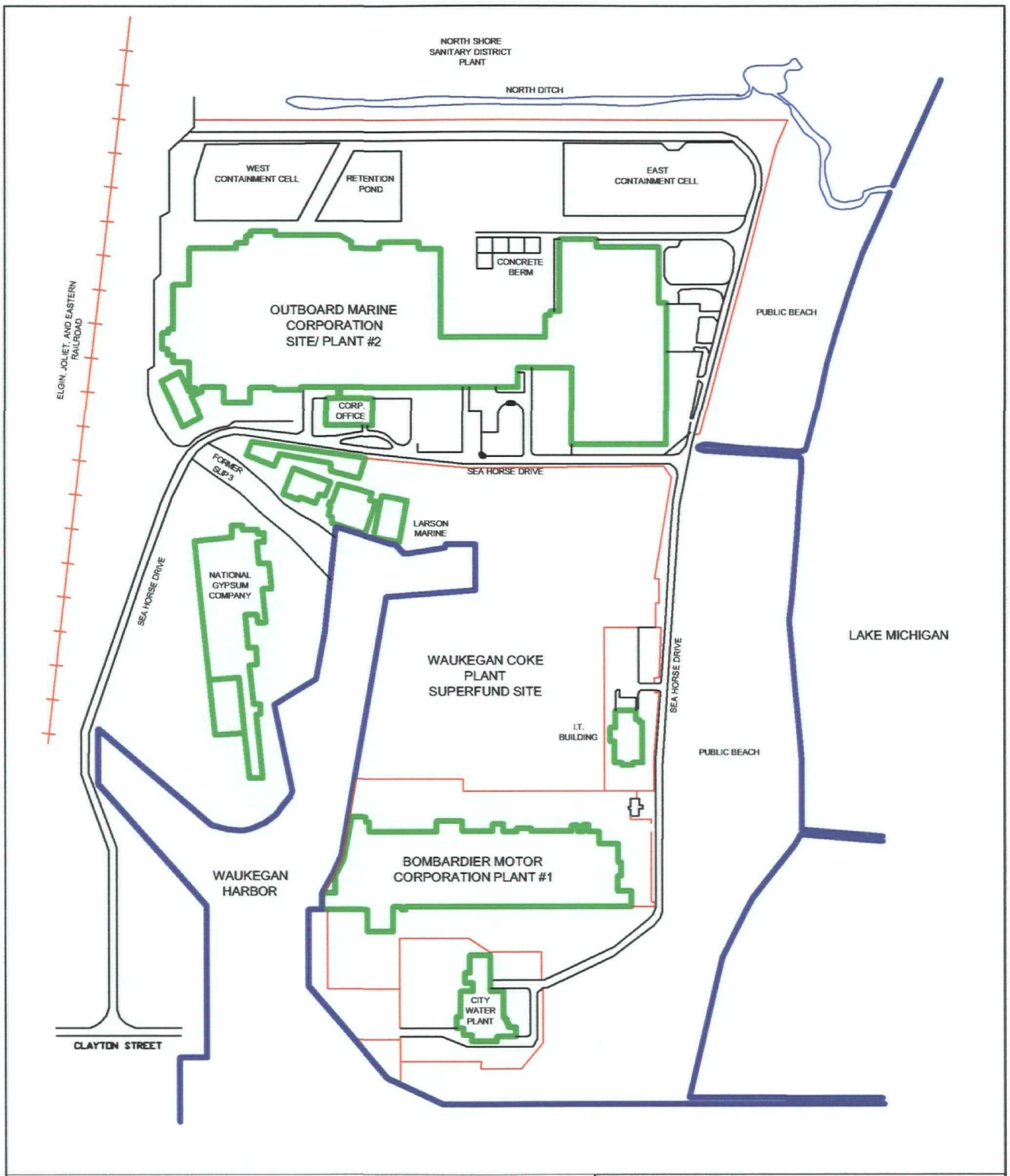
OUTBOARD MARINE CORPORATION
WAUKEGAN, LAKE COUNTY, ILLINOIS
TDD NO. S05-0305-004

FIGURE 1
SITE LOCATION

Tetra Tech EM Inc.

SOURCE: MODIFIED FROM USGS, 1993a and 1993b

S:\C...9009\L0305004\FIGURE 1 SITE LOCATION.dwg, 10/31/2003 1:09:18 PM, joel.peters, NV



LEGEND

- BUILDING
- FENCE
- WATER
- WALL

0 250 500
SCALE IN FEET

N

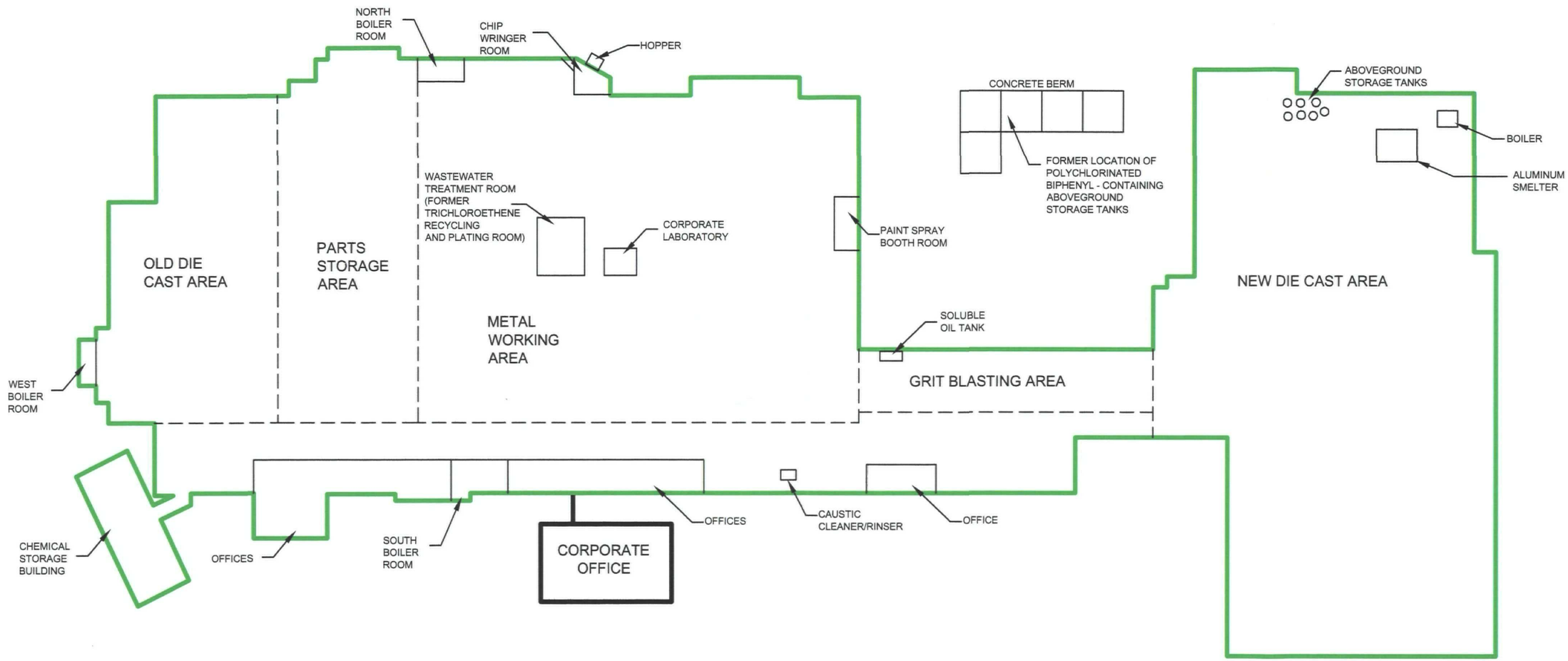
SOURCE: MODIFIED FROM OMC 2002

OUTBOARD MARINE CORPORATION
WAUKEGAN, LAKE COUNTY, ILLINOIS
TDD NO. S05-0305-004

FIGURE 2
SITE FEATURES

Tetra Tech EM Inc.

S:\C...\9009\L0305004\FIGURE 2 SITE LAYOUT.dwg, 12/12/2003 9:26:32 AM, joel.peters, NV



LEGEND

- BUILDING
- AREA BOUNDARY
- WALL

0 75 150
SCALE IN FEET

N

SOURCE: MODIFIED FROM OMC 2002

OUTBOARD MARINE CORPORATION
WAUKEGAN, LAKE COUNTY, ILLINOIS
TDD NO. S05-0305-004

FIGURE 3
PLANT #2 FEATURES

Tetra Tech EM Inc.

PCBs at concentrations over 500 parts per million (ppm). PCB-containing hydraulic fluid was reportedly discharged through Plant #2's floor drain system to the North Ditch and Slip 3 of Waukegan Harbor. From 1989 to 1995, U.S. EPA conducted remedial activities that included hydraulic dredging of sediment in the North Ditch and Waukegan Harbor (Slip 3 and surrounding areas); thermal treatment of the sediment; and placement of the treated sediment in three on-site containment cells – the East Containment Cell, the West Containment Cell, and Former Slip 3. Each containment cell has a well system that maintains an inward hydraulic gradient. Postclosure groundwater monitoring indicates that PCB concentrations in groundwater have been below the detection limit except in April 2000, when samples from monitoring well MW-10 contained 1.7 parts per billion (ppb) PCBs.

TechLaw performed a preliminary assessment/visual site inspection (PA/VSI) at the OMC site in July 2001. TechLaw identified 20 solid waste management units (SWMU) and four areas of concern (AOC) (TechLaw 2001).

In July 2001, the U.S. EPA Region 5 Waste, Pesticides, and Toxics Division performed a limited sampling investigation at the OMC site in conjunction with the PA/VSI conducted by TechLaw. U.S. EPA's sampling investigation is detailed in START's "Discovery Site Visit Report" (Tetra Tech 2002) and U.S. EPA's "Draft Sampling and Analysis Report" (U.S. EPA 2001).

On February 19, 2002, representatives of U.S. EPA, the U.S. Department of Justice, Bombardier, the OMC Trust, and START met at Plant #2 to perform a site walkthrough prior to site investigation activities. During the walkthrough, air, wipe, container, and miscellaneous sampling locations were identified, air monitoring equipment was determined, and sampling needs identified. On March 4 through 6, U.S. EPA and START conducted an intensive 3-day investigation based on the locations identified during the site walkthrough. A total of 61 container and miscellaneous samples were collected during the discovery site visit on March 5 and 6, 2002. Seventy wipe samples were also collected from equipment, flooring, and office furniture in Plant #2; all the wipe samples were analyzed for polychlorinated biphenyls (PCB). In addition, 14 air samples (five for volatile organic compound [VOC] analysis and nine for PCB analysis) were collected from various locations within Plant #2. Two soil and three sediment samples were collected from locations outside the building on the Plant #2 property, four groundwater samples were collected from monitoring wells previously installed on the Plant #2 property, and 20 samples were collected from suspected asbestos-containing material (ACM) (Tetra Tech 2002).

The site investigation was conducted to evaluate any potential threats, as well as to assess which areas of Plant #2 contained hazardous materials. The analytical results for the samples collected during the site investigation indicated that several areas required attention in terms of waste or product removal and decontamination. The potentially responsible party (PRP) removal activities documented in the PRP Removal Action Summary Report (Tetra Tech 2003) addressed most of these areas.

Based on the threats to public health and the environment identified during the discovery site visit, U.S. EPA and Illinois Environmental Protection Agency (IEPA) petitioned the court with objections to the OMC Trust's plan to abandon the property. U.S. EPA, IEPA, and the OMC Trust accepted a settlement agreement on July 17, 2002, involving the "Trustee's Motion for Abandonment of Real Property and Records Relating to Real Property," dated November 1, 2001. The settlement agreement set certain tasks to be completed before the property could be abandoned on the date set in the agreement (November 15, 2002). The property was actually abandoned on December 10, 2002. The tasks completed at Plant #2 by the OMC Trust included removal and disposal of all drums and containers, draining of all tanks, draining and flushing of all transformers, draining and disposal of all hydraulic fluid remaining in machines, draining and disposal of all hydraulic fluids in the chip wringer and hopper machine, and removal and disposal of all batteries and capacitors (U.S. Bankruptcy Court for the Northern District of Illinois - Eastern Division [U.S. Bankruptcy Court] 2002). The tasks were determined based on the findings of the site investigation (Tetra Tech 2002).

As part of the transaction in which Bombardier purchased OMC plants and product lines, some assets within Plant #2 were also bought. These purchased assets included machines and associated hydraulic fluids, cleaners, and paints. Bombardier removed assets of value, and disposed of waste materials associated with those assets during the OMC Trust's removal activities. The OMC Trust later agreed to release Bombardier from its responsibility to sell or remove its Plant #2 assets in exchange for compensation.

The OMC Trust and Bombardier contracted EI to remove all hazardous materials and liquids from Plant #2. Removal activities began on August 19, 2002, and culminated on November 21, 2002, with the removal and replacement of PCB-containing dielectric fluid from the electrical transformers serving the plant in an attempt to retrofit the transformers with non-PCB fluid and comply with PCB regulations. EI's additional activities during this period consisted of (1) waste removal, (2) machine decontamination, and

(3) transformer draining and filling. A START representative was present during most removal activities, and observations made during PRP removal activities are documented in START's PRP Removal Action Summary Report dated January 20, 2003 (Tetra Tech 2003).

Preliminary sampling of transformer fluid from 23 of the site's 26 transformers was performed on March 26, 2003. This was done by powering down the transformers and removing a small amount of fluid through the fill port. The samples were removed using small, disposable bailers and were transferred to clean sample containers. The samples were labeled and submitted to a laboratory for analysis of PCBs under chain-of-custody protocol. Analytical results indicated that PCBs were still present in the transformer fluid at concentrations exceeding 50 ppm. The transformers are thus regulated under the Toxic Substances Control Act (TSCA) in 40 CFR Part 761. The removal and replacement of the transformer fluid performed during PRP removal activities did not decrease PCB concentrations below 50 ppm, therefore the transformers remained regulated. Table 1 summarizes the results of the preliminary transformer fluid sampling.

Additional preliminary floor wipe samples were collected by START personnel to supplement those collected during the site investigation for the purpose of delineating the area of the floor to be cleaned in the metal working area. Each wipe sample was collected using a 10-centimeter by 10-centimeter cardboard template for a wipe surface of 100 cm^2 per wipe. The wipe sample locations were selected randomly, and were collected using the same procedures as used during the discovery site visit and PRP waste removal activities. Several wipe samples exhibited PCB concentrations exceeding the cleanup standard for concrete floors (10 micrograms [μg] per 100 square centimeters [cm^2]). Table 2 summarizes the results of the preliminary floor sampling. Figure 4 illustrates the preliminary floor sampling locations and the approximate floor area cleaned.

TABLE 1

PCB CONCENTRATIONS IN TRANSFORMER FLUID - MARCH 26, 2003
OUTBOARD MARINE CORPORATION PLANT #2

Transformer Number	Location	Fluid Capacity (gallons)	PCB Concentration (mg/kg)
2	Inside plant	290	28,000
5	Inside plant	392	32,000
6	Inside plant	392	16,000
7	Inside plant	290	42,000
7B	Roof above metal working area	359	59,000
8	Inside plant	392	34,000
8B	Roof above metal working area	434	9,600 J
9	Inside plant	205	53,000
10[a]	Corporate office	71	-
11	Inside plant	400	44,000
12[a]	Plant roof	Dry	-
13[a]	Plant roof	320	-
14	Smelter roof	293	27,000
15	Smelter roof	293	27,000
17	Smelter roof	293	25,000
18	New die cast roof	293	29,000
19	New die cast roof	293	47,000
20	New die cast roof	293	30,000
23	New die cast roof	293	48,000
26	New die cast roof	293	27,000
27	New die cast roof	293	52,000
28	New die cast roof	293	48,000
30	New die cast roof	293	34,000
31	New die cast roof	293	38,000
32	New die cast roof	293	25,000
34	Trim building roof	293	35,000

Notes:

40 CFR Part 761 regulatory standard of 50 ppm was used for comparison.

[a] This transformer contained non-polychlorinated biphenyl fluid.

J = The analyte was detected. The reported numerical value is considered estimated for QC reasons.

mg/kg = Milligrams per kilogram

TABLE 2

PRELIMINARY FLOOR WIPE SAMPLE ANALYTICAL RESULTS
METAL WORKING AREA
OUTBOARD MARINE CORPORATION PLANT #2

Sample Number	Sampling Location	PCB Concentration[a] ($\mu g/100\ cm^2$)
Wipe-301	Row #1 (north), inside machine containment	**4.3**
Wipe-302	Row #1 (north), outside machine containment	<2.5
Wipe-303	Row #1 (north), inside machine containment	<2.5
Wipe-304	Row #1 (north), outside machine containment	**3.5**
Wipe-305	Row #1 (north), inside machine containment	**4.2**
Wipe-306	Row #1 (north), inside machine containment	<2.5
Wipe-307	Row #1 (north), inside machine containment	**8.4**
Wipe-308	Row #1 (north), inside machine containment	**7.2**
Wipe-309	Row #1 (north), outside machine containment	**7.3**
Wipe-310	Row #2, outside machine containment	**14 J**
Wipe-311	Row #2, outside machine containment	**2.6**
Wipe-312	Row #2, outside machine containment	**8.8**
Wipe-313	Row #1 (north), outside machine containment	**30**
Wipe-314	Row #2, outside machine containment	**64**
Wipe-315	Row #2, outside machine containment	**17 J**
Wipe-316	Row #2, inside machine containment	**31**
Wipe-317	Row #1 (north), outside machine containment	**9.6**
Wipe-318	Row #3, outside machine containment	**30**
Wipe-319	Row #4, inside machine containment	**24 J**
Wipe-320	Row #3, outside machine containment	**28**
Wipe-321	Row #4, outside machine containment	<2.5
Wipe-322	Row #4, inside machine containment	**19 J**
Wipe-323	Row #3, outside machine containment	**17 J**
Wipe-324	Row #4, inside machine containment	**18 J**
Wipe-325	Row #3, outside machine containment	<2.5
Wipe-326	Row #4, inside machine containment	<2.5
Wipe-327	Row #4, inside machine containment	**33**
Wipe-328	Row #4, outside machine containment	<25 J

Notes: **40 CFR Part 761 regulatory standard of 10 $\mu g/100\ cm^2$ for porous surfaces was used for comparison.**

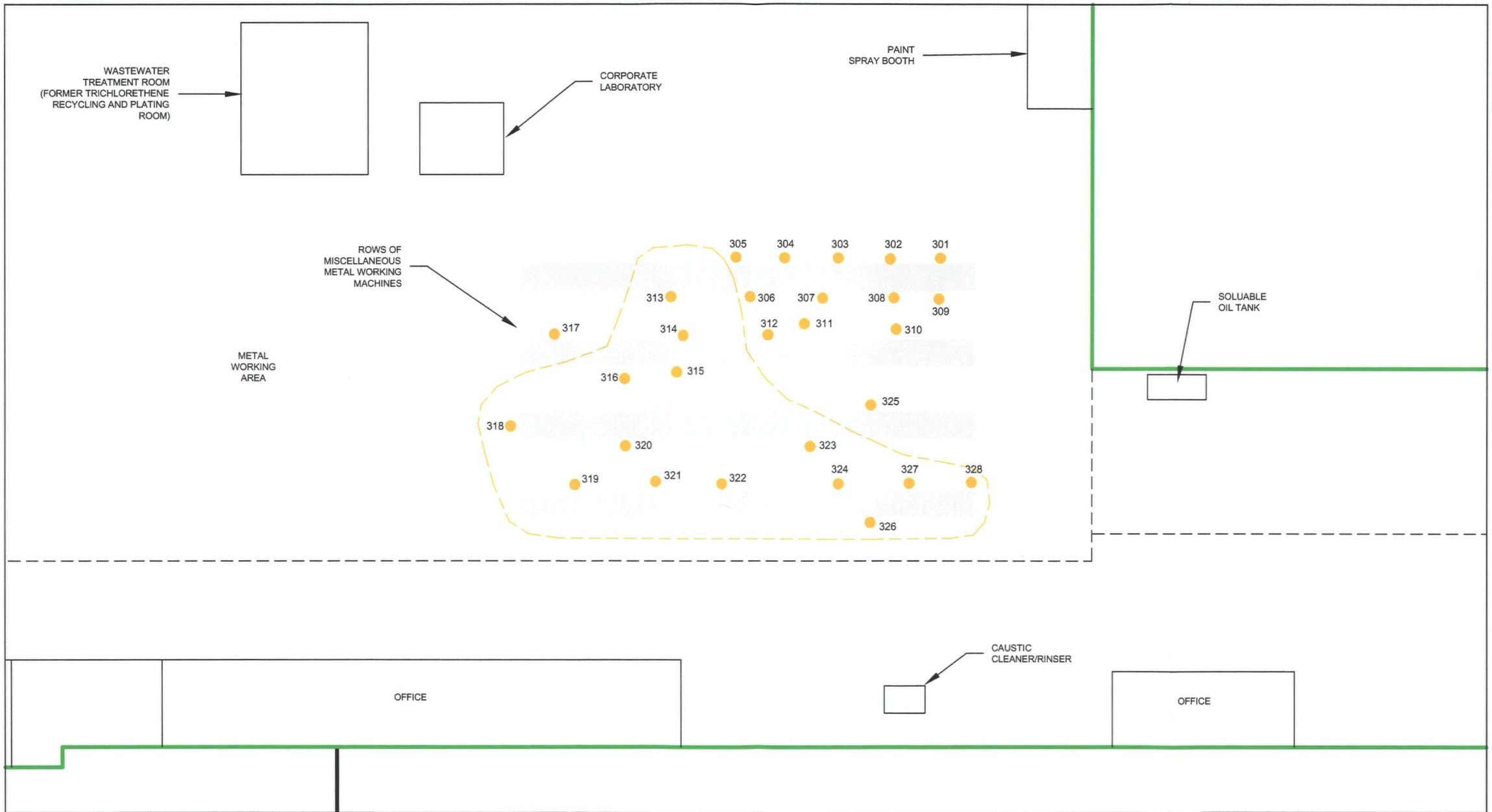
[a] Bold values indicate PCB concentrations above method detection limits. Validated analytical results are included in Appendix D.

J = The analyte was detected. The reported numerical value is considered estimated for QC reasons.

PCB = Polychlorinated biphenyl

$\mu g/100\ cm^2$ = Microgram per 100 square centimeters

Figure 4 depicts the preliminary floor sample locations.



LEGEND

- BUILDING
- AREA BOUNDARY
- WALL
- FLOOR WIPE SAMPLE LOCATION
- AREA DESIGNATED TO BE CLEANED

SOURCE: MODIFIED FROM OMC 2002

0 25 50
SCALE IN FEET

N

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TDD NO. S05-0305-004

FIGURE 4
PRELIMINARY FLOOR SAMPLE LOCATIONS

Tetra Tech EM Inc.

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3.0 U.S. ENVIRONMENTAL PROTECTION AGENCY REMOVAL ACTIVITIES

Work performed at OMC Plant #2 commenced on May 12, 2003 and concluded on July 11, 2003 with the draining of dielectric fluid from the site's transformers. EQM was employed by U.S. EPA under the ERRS contract to perform removal activities, while Tetra Tech was retained under the START contract to provide oversight of EQM, conduct sampling, and document the removal actions. U.S. EPA removal activities included additional waste removal, inspection of tunnels, floor decontamination, limited asbestos removal, installation of alternate electrical feed for sediment containment cells, transformer fluid draining, geophysical surveying for underground tanks. The following sections detail the tasks performed during the U.S. EPA removal actions at the OMC Plant #2 site.

3.1 WASTE REMOVAL ACTIVITIES

EQM removed several waste types, including nonhazardous and hazardous wastes, from Plant #2. When possible, waste materials were removed in bulk by a vacuum truck. When they were not removed in bulk, wastes were packaged and shipped by semi-trailer truck. Small waste quantities were packaged and transported as parts of large shipments. Table 3 summarizes the wastes removed from Plant #2 during U.S. EPA-led removal activities. Items listed in Table 3 are based on waste manifests and provided by EQM, copies of which are included in Appendix C.

The START representative collected waste samples for classification and disposal characterization from material to be removed from the site. The waste samples were submitted to Great Lakes Analytical of Buffalo Grove, Illinois for analysis. Table 4 summarizes the analytical results of the waste sampling.

Waste liquids constituted the largest portion of the wastes removed from Plant #2. Liquids removed included hydraulic oil, machining oil, compressed gasses, and waste decontamination water. Generally, oils and water-soluble machining fluids were removed by a vacuum truck. Water from the old die-cast area tunnels and oily, soapy water from floor decontamination activities in the metal working, parts storage, and old die cast areas was pumped to a portable tank, then processed through U.S. EPA's Springfield Belle mobile wastewater treatment system. The Springfield Belle processed oily and soapy wastewater using media and carbon filters. Approximately 278,000 gallons of wastewater was

TABLE 3

WASTES REMOVED
OUTBOARD MARINE CORPORATION PLANT #2

Waste	Hazardous Waste Code	DOT ID Number	Container	Quantity	Destination
PCB-containing transformer dielectric fluid	None	UN2315	Bulk	25,454 kilograms	Clean Harbors LLC 1672 E. Highland Rd. Twinsburg, OH
PCB liquid-containing capacitors	None	UN2315	Capacitors	total, 3 drums	Clean Harbors LLC 1672 E. Highland Rd. Twinsburg, OH
Electrical components with PCB tar	None	UN2315	Pallets	4 pallets, 800 pounds	Clean Harbors LLC 1672 E. Highland Rd. Twinsburg, OH
PCB-containing oil	None	UN2315	Drums	165 gallons	Clean Harbors LLC 1672 E. Highland Rd. Twinsburg, OH
Mercury contained in manufactured articles (switches)	U151	UN2809	Pail	5 gallons	Spring Grove Resource Recovery 4879 Spring Grove Ave. Cincinnati, OH
Hydraulic and water-soluble oil	None	None	Bulk	4,000 gallons	Pollution Control Industries 4343 Kennedy Ave. East Chicago, IN
Petroleum-contaminated oil dry and debris	None	None	Bulk	40 cubic yards	Mallard Ridge Landfill Delavan, WI
Steel scrap	None	None	Bulk	422 tons	Acme Refining Chicago, IL
Wastewater from decon and tunnels	None	None	Bulk	277,665 gallons	Processed by Springfield Belle
Asbestos	None	NA2212	Bulk	23 cubic yards	Mallard Ridge Landfill Delavan, WI
Compressed gas cylinders containing oxygen and acetylene	None	None	Individual cylinders	6 cylinders	Rockford Industrial Welding Supply Rockford, IL
H_2S compressed gas cylinders	None	UN1053	Individual cylinders	1 cylinder	Clean Harbors LLC 11800 S, Stoney Island Chicago, IL

Notes:
DOT = U.S. Department of Transportation
ID = Identification
PCB = Polychlorinated biphenyl

TABLE 4

WASTE SAMPLING ANALYTICAL RESULTS
OUTBOARD MARINE CORPORATION PLANT #2

Date	Sample	Description	Analysis	Result	Units
May 15, 2003	CW Chips	Sludge and metal chips from chip wringer pit	PCBs	<1,000	µg/kg
May 15, 2003	MW Chips	Sludge and metal chips from small hoppers found in metalworking area	PCBs	<36,100	µg/kg
May 15, 2003	Roof Gravel	Gravel from pile in rear of building	PCBs	2,690	µg/kg
May 15, 1930	Transformer #7	Transformer oil confirmation sample	PCBs	35,000	mg/kg
May 15, 2003	Transformer #11	Transformer oil confirmation sample	PCBs	49,400	mg/kg
May 21, 2003	Small Transformers	Composite of oil from two small electrical transformers found in new die cast area	PCBs	229	mg/kg
May 21, 2003	Old Die Cast Oil	Oil from small barrel found in old die cast tunnel	PCBs	47,200	mg/kg
June 2, 2003	V4 Greenlee Oil	Oil from pit in area of V4 Greenlee machine in metalworking area	PCBs TOX	<35.0 13,200	mg/kg mg/kg
June 2, 2003	V4 Greenlee Sludge	Sludge from pit in area of V4 Greenlee machine	PCBs	<48,100	µg/kg
June 2, 2003	Hydromation Sludge	Sludge from pit of large Hydromation machine	PCBs	<31,600	µg/kg
June 2, 2003	Cross Transfer Sludge	Sludge from Cross transfer machines in metalworking area	PCBs	<43,600	µg/kg
June 2, 2003	New Die Cast Tank Oil	Oil and water from tanks below new die cast area in tunnels	PCBs	<3.50	mg/kg
Jun 18, 2003	Sludge Rolloff	Composite sample of 1st sludge rolloff box	EOX		
			Flashpoint	2,360	mg/kg wet
			Free Liquid	>220 °F	°F
			pH	No flow	N/A
			Phenol	7.50	pH units
			Reac Cyanide	70.3	mg/kg wet
			Reac Sulfide	<0.130	mg/kg wet
			TCLP Mercury	27.3	mg/kg wet
			TCLP Arsenic	<0.0002	mg/l
			TCLP Barium	<0.0500	mg/l
			TCLP Cadmium	<1.00	mg/l
			TCLP	0.0186	mg/l
			Chromium	<0.100	mg/l
			TCLP Selenium	<0.0500	mg/l
			TCLP Silver	<0.0500	mg/l
			TCLP Lead	0.00556	mg/l
			TCLP VOCs	<0.160	mg/l
June 18, 2003	Belle Influent	Water before Belle Treatment	O & G	92.2	mg/l
			Mercury	<0.0002	mg/l
			Arsenic	<0.0500	mg/l
			Barium	<0.500	mg/l
			Cadmium	<0.005	mg/l
			Chromium	0.0130	mg/l
			Selenium	<0.0500	mg/l
			Silver	<0.0500	mg/l
			Lead	0.0317	mg/l
			VOCs	11.62	µg/l

TABLE 4 (Continued)

WASTE SAMPLING ANALYTICAL RESULTS
OUTBOARD MARINE CORPORATION PLANT #2

Date	Sample	Description	Analysis	Result	Units
Jun 18, 2003	Belle Effluent	Water after Belle Treatment	O & G	40.1	mg/l
			Mercury	<0.0002	mg/l
			Arsenic	<0.0500	mg/l
			Barium	<0.500	mg/l
			Cadmium	<0.005	mg/l
			Chromium	0.0236	mg/l
			Selenium	<0.0500	mg/l
			Silver	<0.0500	mg/l
			Lead	0.0230	mg/l
			VOCs	<2.00	µg/l
June 23, 2003	Machine Oil	Composite of all non-PCB oil sources	Flashpoint	146	°F
			TX	1,270	mg/kg
			Btu	18,330	Btu/lb
			BS & W	32.0	% vol
June 23, 2003	Belle Carbon	Carbon media from Belle	PCBs	<35.1	µg/kg
June 20, 2003	Baghouse dust	Dust from baghouse in Deburring Area	TCLP Mercury		
			TCLP Arsenic	<0.0002	mg/l
			TCLP Barium	<0.0500	mg/l
			TCLP Cadmium	<1.00	mg/l
			TCLP	<0.005	mg/l
			Chromium	<0.100	mg/l
			TCLP Selenium	<0.0500	mg/l
			TCLP Silver	<0.0500	mg/l
			TCLP Lead	<0.00500	mg/l
June 30, 2003	Transformer 13	Transformer oil (non-PCB)	PCBs	<3.50	mg/kg
June 26, 2003	Deburring Pit Sludge	Sludge from pit next to deburring operation	TCLP Mercury		
			TCLP Arsenic	<0.0002	mg/l
			TCLP Barium	<0.0500	mg/l
			TCLP Cadmium	<1.00	mg/l
			TCLP	<0.005	mg/l
			Chromium	<0.100	mg/l
			TCLP Selenium	<0.0500	mg/l
			TCLP Silver	<0.0500	mg/l
			TCLP Lead	<0.005	mg/l
June 25, 2003	Tanker Sludge	Sludge from tanker trailer north of building	PCBs	57,400	µg/kg

Notes:
- Btu/lb = British thermal units per pound
- CW = Chip wringer
- EOX = Extractable organic halides
- °F = Degrees Fahrenheit
- mg/kg = Milligrams per kilogram
- mg/l = Milligrams per liter
- MW = Metal working
- O & G = Oil and grease
- % vol = Percent by volume
- PCB = Polychlorinated biphenyl
- TCLP = Toxicity Characteristic Leaching Procedure
- µg/kg = Micrograms per kilogram
- µg/l = Micrograms per liter
- VOC = Volatile organic compound

processed during the 9-week period U.S. EPA was on site. Photograph No. 1 shows the Springfield Belle water treatment trailer set up inside Plant #2. Waste solids consisting of oily metal chips, sludge, and oil dry were removed from the chip wringer pit and the metal working floor. The oily waste solids were composited in 20-cubic-yard, lined roll-off boxes and shipped as special waste.

Several compressed gas cylinders containing oxygen, acetylene, ammonia, propane, and hydrogen sulfide were found throughout the plant. The compressed gasses (oxygen, acetylene, and ammonia) were returned to or disposed of by local companies that picked up the gas cylinders. Cylinders containing propane were emptied outside the plant building and the cylinders were destroyed by piercing the tank walls. The hydrogen sulfide cylinders were considered a hazardous waste and were disposed of by Clean Harbors of Chicago, Illinois.

Small chemical containers were found in cabinets and workbenches throughout the plant. The contents of these containers were composited in drums with other like materials. For example, many small containers of hydraulic oil were found throughout the plant and were composited in a 55-gallon drum with other hydraulic oil. Efforts were made to find all the small containers in the plant and dispose of their contents; however, some small liquid containers may still be present. Photograph No. 2 shows small quantities of PCB-containing transformer fluid being transferred from small electrical components to a 55-gallon drum.

3.2 DECONTAMINATION ACTIVITIES

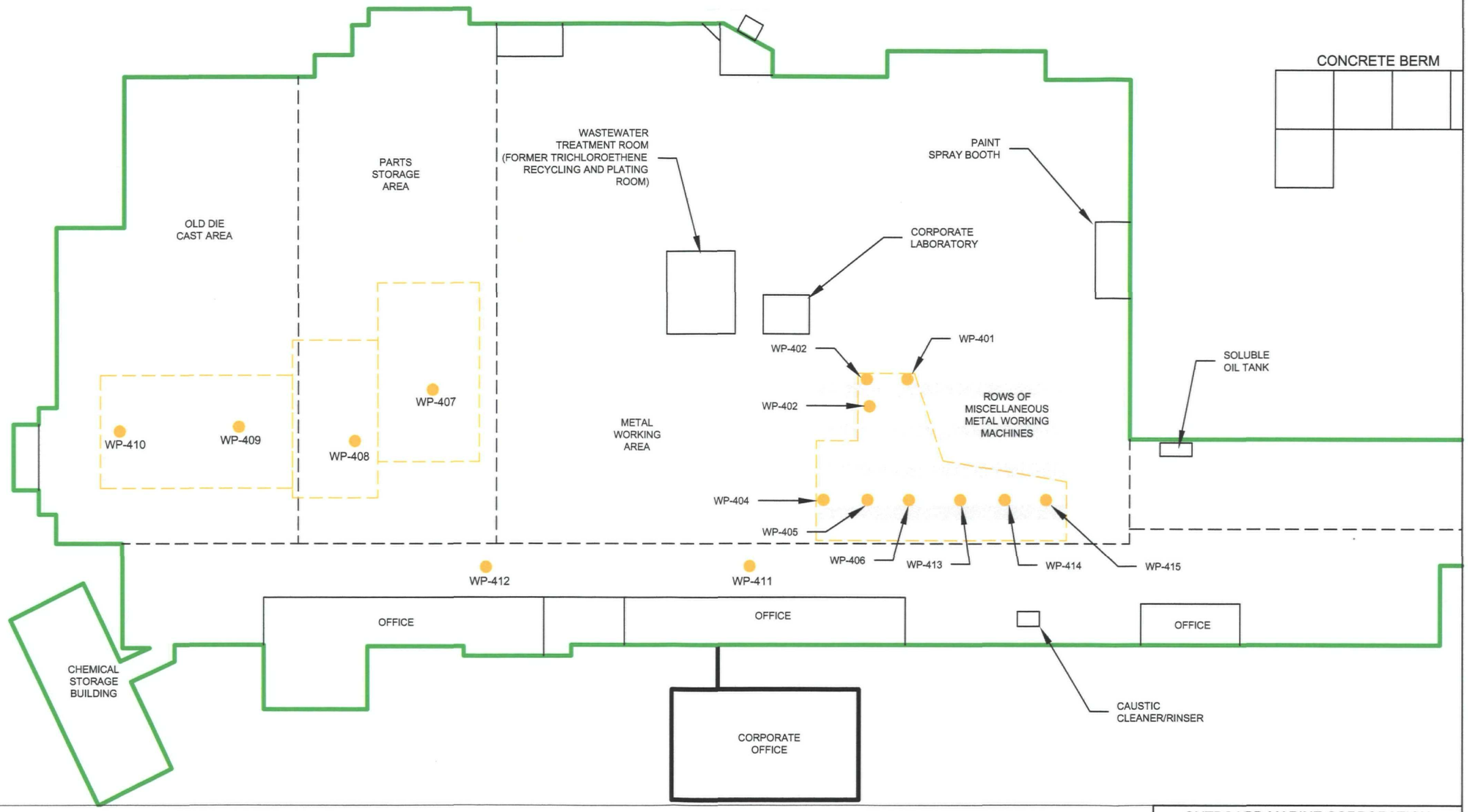
Samples collected by START personnel during the discovery site visit in March 2002, and during PRP removal activities in Fall 2002, indicated several areas warranting decontamination. These areas initially included the chip wringer pit and the metal working floor. The chip wringer was first cleaned during PRP decontamination activities. During PRP decontamination activities, EI spray-washed the chip wringer machinery only, and the chips and debris accumulated in the chip wringer pit. EQM removed the accumulated chips and sludge, then washed down and rinsed the pit. EQM used a hot-water, high-pressure washer after spraying down the machines with cleaner. A cleaner (a product called "Less than 10") was used to decontaminate concrete floors, and a separate cleaner ("Metal-X") was used on metal surfaces. Decontamination water was pumped from the pit and processed through the Springfield Belle treatment system. Photograph No. 3 shows EQM personnel cleaning the chip wringer pit.

Machine decontamination was designated as one of the PRP waste removal activities and EI decontaminated only the machines in the metal working area. Preliminary sampling of the metal working area floor (Table 2) indicated several areas exceeding the 10 μg/100 cm^2 cleanup standard for porous surfaces found in Title 40 of the Code of Federal Regulations (CFR) Part 761. The metal working floor area cleaned by EQM totaled about 36,000 square feet and is depicted in Figures 4 and 5.

The machines on the metal working floor were dismantled by EQM and removed before cleaning activities began. The machines were dismantled by unbolting or cutting with an acetylene torch, then removed from the area with a lift truck. Since they had been previously cleaned by the PRP, the machines were quickly sprayed off, then loaded onto flatbed trailers for scrap. Chips and sludge remaining on the floor were shoveled into drums and transferred to lined roll-off boxes for disposal. The floor was cleaned by applying a spray cleaner to loosen thick oil, and washing with high pressure, hot water. Decontamination water and oil were directed into fluid collection trenches and pits used to gather machining oil and route it to filtration (Hydromation) machines. Wash water, used cleaner, and oil were collected in the pits containing the Hydromation machines, so fluid containment structures did not have to be established. Photographs No. 4 and No. 5 depict the metal working area floor after the machines were removed and the floor cleaned.

Similar techniques were employed to wash the floor in the former parts storage and old die cast areas. These areas had exhibited relatively high PCB concentrations when sampled during the discovery site visit in March 2002. No machines were removed to facilitate cleaning, only debris and garbage. Fluid collection trenches were not available in these areas, so wash water and used cleaner were vacuumed and processed through the Springfield Belle treatment system. The areas cleaned in the former parts storage and old die cast areas totaled about 12,000 and 20,000 square feet, respectively. Photographs No. 6 and No. 7 show the old die-cast area and parts storage areas after floor cleaning.

START personnel collected 15 wipe samples from cleaned floor areas and the main aisle over which the machines were transported and loaded for disposal. Each floor wipe sample was collected using a 10- by 10-centimeter, cardboard template for a total wipe surface area of 100 cm^2 per wipe. Sample locations were randomly selected and samples were collected using the same procedures used during previous investigation and waste removal activities. Analytical results of wipe samples are summarized in Table 5.



LEGEND

- BUILDING
- AREA BOUNDARY
- WALL
- FLOOR WIPE SAMPLE LOCATION
- AREA DESIGNATED TO BE CLEANED

SOURCE: MODIFIED FROM OMC 2002

0 50 100
SCALE IN FEET

N

OUTBOARD MARINE CORPORATION
WAUKEGAN, LAKE COUNTY, ILLINOIS
TDD NO. S05-0305-004

FIGURE 5

FLOOR DECONTAMINATION AREAS AND CONFIRMATORY SAMPLE LOCATIONS

Tetra Tech EM Inc.

TABLE 5

CONFIRMATORY FLOOR WIPE SAMPLE ANALYTICAL RESULTS
OUTBOARD MARINE CORPORATION PLANT #2

Sample Number	Sampling Location	PCB Concentration[a] ($\mu g/100\ cm^2$)
Metal Working Area		
Wipe-401	Northwest portion of metal working area	**13.3**
Wipe-402	Northwest portion of metal working area	1.23
Wipe-403	Northwest portion of metal working area	**15.0**
Wipe-404	Southwest portion of metal working area	**11.0**
Wipe-405	Southwest portion of metal working area	6.76
Wipe-406	Southwest portion of metal working area	**18.0**
Wipe-413	Southeast portion of metal working area	1.26
Wipe 414	Southeast portion of metal working area	**14.7**
Wipe-415	Southeast portion of metal working area	6.64
Average of wipe samples after floor decontamination activities		9.8
Average of site investigation wipe samples Wipe-35, 37, 39, 43, 41, 46, 48, 50		**20.5**
Average of preliminary floor wipe samples (see Table 2)		**15.0**
Former Parts Storage Area		
Wipe-407	Former parts storage area	**148**
Wipe-408	Former parts storage area	**408**
Average of wipe samples after floor decontamination activities		**278**
Average of site investigation wipe samples Wipe-22, 23, 24, 26, 27, 28		**311**
Old Die Cast Area		
Wipe-409	Old die cast area	**4,250**
Wipe-410	Old die cast area	**261**
Average of wipe samples after floor decontamination activities		**2260**
Average of site investigation wipe samples Wipe-7, 8, 9, 10, 11, 12		**1,670**
Main Aisle		
Wipe-411	Main aisle adjacent to metal working area	**119**
Wipe-412	Main aisle adjacent to Dock 1B doors	**40.2**

Notes:
Bold values indicate PCB concentrations exceed 40 CFR 761 standard of 10 $\mu g/100\ cm^2$ for porous surfaces.
PCB = Polychlorinated biphenyl
$\mu g/100\ cm^2$ = Microgram per 100 square centimeters
Validated analytical results are included in Appendix D.

PCB concentrations in wipe samples collected from the metal working area floor averaged 9.8 μg/100 cm^2 and meet the 10 μg/100 cm^2 cleanup standard for porous surfaces in 40 CFR Part 761. Cleaning activities were effective in removing oil and PCBs from the floor surface, however concentrations exceed standards in 5 of the 9 metal working area samples. Sample Wipe-409 exhibited 4,250 μg/100 cm^2, but this represents a reduction in the highest concentration observed during the discovery site visit (9,140 μg/100 cm^2). The floor decontamination efforts reduced PCBs concentrations on the floor, but the remaining concentrations persist because of decades of PCB-containing hydraulic oil use, and it is likely that only severe milling, scarification, or floor removal would address the PCBs present in the concrete.

Decontamination activities also included cleaning of the baghouse located in the former deburring area. Sheet metal ducts were first removed and the dust within was containerized. The baghouse was then accessed under confined space protocol, and the accumulated dust and metal fines, which were dry, were brushed and removed from the baghouse. The baghouse was constructed in a conical shape, so the dust was pushed down into drums placed under an opening in the bottom. The waste metal dust was sampled for TCLP metals, found to be non-hazardous, and transferred to a lined, roll-off box to be disposed of as non-hazardous special waste. Analytical results of the baghouse dust sample are summarized in Table 4.

In the same area, the deburring pit contained wet metal fines. In order to access the pit and remove the fines, which had compacted and were difficult to remove by hand, steel covers and support bars were cut with an acetylene torch and removed. The compacted fines were removed using a small excavator and placed in 55-gallon drums. The drums were eventually added to roll-off boxes and disposed of as non-hazardous waste.

The red tanker located behind the Plant #2 building was also decontaminated by EQM. The tanker contained several inches of PCB sludge, as evidenced by sample results in Table 4 (57,400 μg/kg PCBs). The tanker was accessed under confined space protocol, the sludge was scraped out, and the insides were washed down with high pressure, hot water. Sludge and oil removed from the tanker were combined with other PCB oils for disposal. Holes were cut into the bottom of the tanker with an acetylene torch to prevent future use. Photograph No. 8 shows the tanker being cleaned by EQM personnel. Photograph No. 9 depicts the holes cut into the bottom of the tanker to render it unusable.

3.3 TUNNEL INSPECTION

The Springfield Belle arrived on site the week before U.S. EPA, EQM, and START mobilized to the site. The Belle's vessels were charged with carbon and other media and EQM began pumping and treating the water from the old die cast tunnels during the first week of removal activities. The water was discharged to a storm water drain after treatment by the Belle.

The old die-cast tunnels were inspected by EQM, Jim Rumford (former OMC maintenance supervisor and current project consultant), and START to determine whether they had the potential for releasing contaminants to the environment. The inspection was videotaped to provide documentation of the condition of the tunnels and any potential contaminant sources.

Based on the inspection of the old die cast area tunnels, no evidence of gross contamination was observed. Twenty capacitors containing PCB oil were discovered in the tunnels and subsequently removed by EQM. Two compressed gas cylinders containing oxygen and acetylene were also identified in the tunnels and removed by EQM. An open-top, 20-gallon steel drum containing oil was removed from the tunnels before the inspection. Analysis of the oil determined that the oil (old die cast oil) contained PCBs at a concentration of 47,200 ppm (see Table 4). Samples of the water in the tunnels (pipe chases) were collected during initial investigation activities (Tetra Tech 2002), results of which exhibited only small PCB detections (0.0372 to 5.27 mg/L). No other conditions of concern were observed during the tunnel inspections. Photograph No. 10 shows the 20-gallon steel drum of PCB-containing oil. Photograph No. 11 depicts some of the capacitors removed from the old die-cast tunnels.

3.4 SOIL AND GROUNDWATER SAMPLING

Limited soil and groundwater sampling were conducted during U.S. EPA removal activities to determine if a source or sources of PCBs or chlorinated solvents could be located around Plant #2. The purpose of the sampling was to provide more current information about site conditions. The soil samples were collected using direct push techniques with a Geoprobe® rig from Kitson Environmental Services, Inc. (Kitson), of Helenville, Wisconsin. Water samples were collected from existing monitoring wells and temporary monitoring points installed during soil sampling activities.

On June 4 and 5, 2003, START and Kitson collected soil samples from pre-determined locations around the outside of the Plant #2 building. In some soil borings, soil samples were collected from groundwater interface depth, clay layer depth, or both. Soils consist of mainly fine to medium sand to a depth of about 25 feet below ground surface (bgs), where a stiff silty clay was encountered. Borings did not penetrate the silty clay layer. Samples collected from shallow depths were generally analyzed for oils and PCBs, and deep samples were analyzed for VOCs. Samples were submitted to Great Lakes Analytical for analysis. Results of soil sampling activities are summarized in Table 6. Figure 6 depicts locations of soil and groundwater samples collected during U.S. EPA removal activities in June 2003.

Elevated levels of PCBs and total petroleum hydrocarbons (7,170 µg/kg and 52,700 mg/kg, respectively) and were detected in soil boring GP-8 on the north side of the Plant #2 building next to the chip wringer room. According to Jim Rumford, new trichloroethene (TCE) was delivered to a former tank located in the chip wringer room, which was connected by piping to a large vapor degreasing operation located in the deburring area. Elevated PCB concentrations were also detected in soil samples collected from boring GP-5 (604 µg/kg) located north of the former chip dock in the old die cast area and from GP-10 (119 µg/kg) near the former concrete containment for the former PCB oil storage tanks.

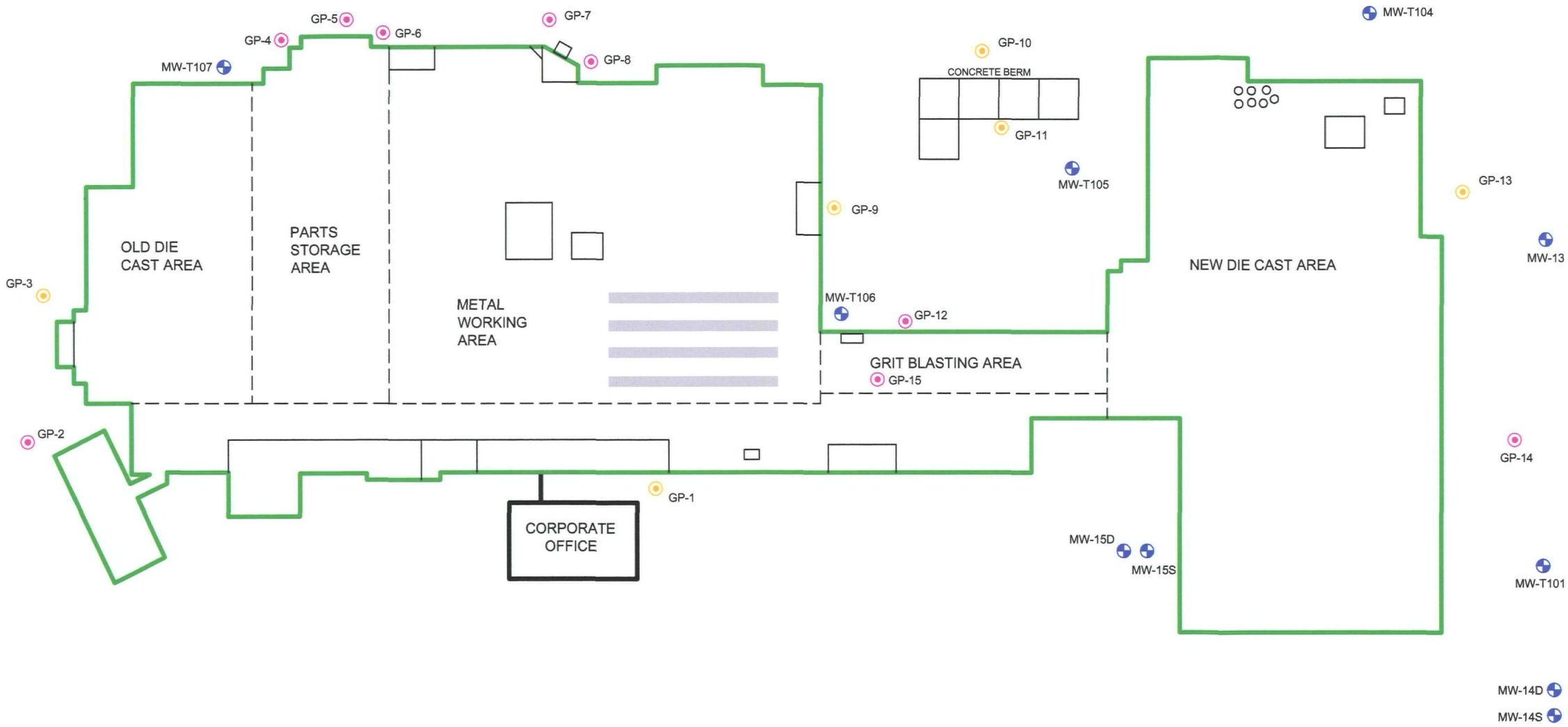
VOCs were elevated in samples from four locations: (1) GP-1 south of the building outside where parts degreasing was performed; (2) boring GP-8 outside the chip wringer room where TCE was stored; (3) GP-9 located outside the paint spray room; and (4) GP-15 inside the building at the former vapor degreasing location. VOC detections consisted mainly of TCE and TCE degradation products such as dichloroethene (DCE), and to a lesser extent, vinyl chloride. The TCE detections, ranging from 19,000 µg/kg on the south side of the building to 268,000 µg/kg outside the chip wringer room, likely result from past degreasing operations. Photograph No. 12 shows the location of soil boring GP-8, where elevated concentrations of VOCs, PCBs, and total petroleum hydrocarbons (TPH) were observed. Results of soil sample analysis are depicted in Figure 7.

TABLE 6

SOIL SAMPLING ANALYTICAL RESULTS
OUTBOARD MARINE CORPORATION PLANT #2
JUNE 4-5, 2003

Sample	Location	Trichloroethene	Cis-1,2-dichloroethene	Trans-1,2-dichloroethene	Vinyl chloride	Tetrachloroethene	Toluene	Benzene	PCBs	TPH Diesel (mg/kg)
GP-1 2-3'	South of bldg. former parts degreasing	**19,000**	**1,380**	<6.37	<6.37	<6.37	**6.97**	<6.37	--	--
GP-1 23-24'	South of bldg. former parts degreasing	**7.03**	<6.12	<6.12	<6.12	<6.12	**18.1**	**11.0**	--	--
GP-2 3-4'	West of bldg. north of chemical storage bldg	<6.10	<6.10	<6.10	<6.10	<6.10	**17.0**	**8.74**	--	--
GP-3 3-4'	West of bldg. near FO tanks	<5.20	**14.6**	<5.20	<5.20	<5.20	<5.20	<5.20	--	--
GP-4 3-4'	North of bldg. west of chip dock	**7.10**	**794**	**18.5**	<5.10	<5.10	**10.4**	**5.31**	--	--
GP-5 3-4'	North of bldg. north of chip dock	<5.47	**51.8**	<5.47	<5.47	<5.47	**14.5**	**7.61**	**604**	--
GP-6 3-4'	North of bldg. near old north boiler room oil feed	<6.44	<6.44	<6.44	<6.44	<6.44	**7.35**	<6.44	--	--
GP-7 3'	North of chip wringer hopper	<5.81	<5.81	<5.81	<5.81	<5.81	**11.6**	<5.81	<29.1	--
GP-8 3-4'	Next to TCE product storage outside chip wringer room	**59.7**	**29.6**	<4.65	<4.65	<4.65	**15.8**	**5.90**	**7,170**	**52,700**
GP-8 24'	Next to TCE product storage outside chip wringer room	**268,000**	**35,000**	**236**	**435**	**10.6**	**12.5**	**11.0**	--	--
GP-9 24'	Outside paint spray room	**80,800**	**3,820**	<5.96	**7.53**	<5.96	**18.2**	**12.3**	--	--
GP-10 3'	North of former containment for PCB oil tanks	--	--	--	--	--	--	--	**119**	--
GP-11 3'	South of former containment for PCB oil tanks	--	--	--	--	--	--	--	<28.7	--
GP-12 26-28'	North of bldg. outside former vapor degreasing operation	<6.18	<6.18	<6.18	<6.18	<6.18	**23.0**	**8.53**	--	--
GP-14 5'	East of bldg. next to former USTs	**57.7**	**33.8**	**22.2**	<5.57	<5.57	**10.1**	<5.57	--	--
GP-15 6'	Inside bldg at former vapor degreaser	**248,000**	**90,500**	**57.7**	<5.41	**17.7**	<5.41	<5.41	--	--
GP-15 30'	Inside bldg at former vapor degreaser	<6.17	<6.17	<6.17	<6.17	<6.17	**19.2**	**11.2**	--	--

Note: All results reported in µg/kg unless otherwise noted.
Bold values represent concentrations exceeding method detection limits
-- = Not analyzed TPH = Total petroleum hydrocarbons
Mg/kg = milligrams per kilogram



LEGEND

- BUILDING
- AREA BOUNDARY
- WALL
- GROUNDWATER SAMPLING LOCATION
- SOIL AND GROUNDWATER SAMPLING LOCATION
- SOIL SAMPLE LOCATION

0 75 150
SCALE IN FEET

N

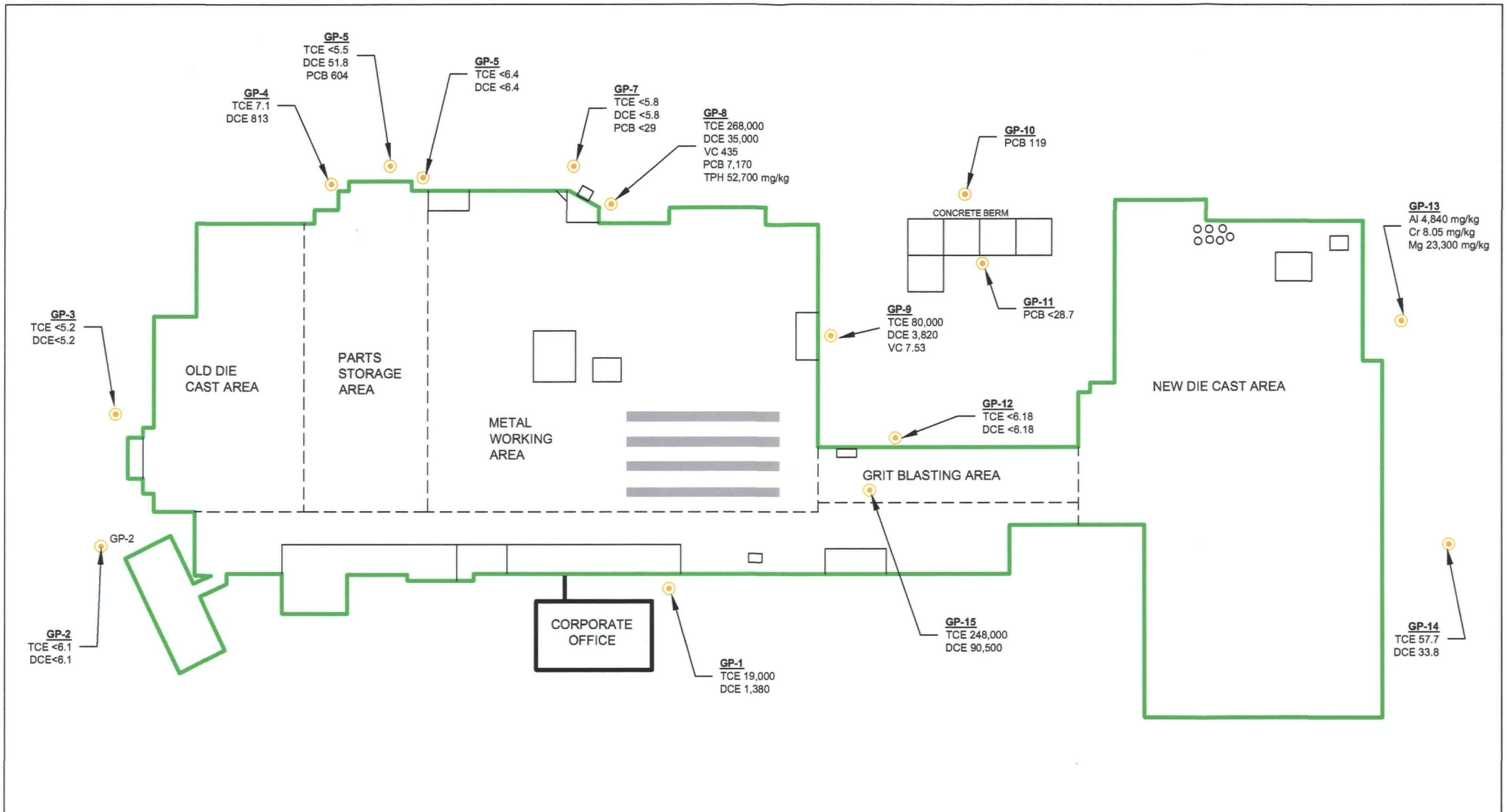
SOURCE: MODIFIED FROM OMC 2002

OUTBOARD MARINE CORPORATION
WAUKEGAN, LAKE COUNTY, ILLINOIS
TDD NO. S05-0305-004

FIGURE 6

SOIL AND GROUNDWATER SAMPLE LOCATIONS

Tetra Tech EM Inc.



LEGEND

- BUILDING
- AREA BOUNDARY
- WALL
- SOIL SAMPLING LOCATION

TCE - TRICHLOROETHENE
DCE - DICHLOROETHENE
VC - VINYL CHLORIDE
PCB - POLYCHLORINATED BIPHENYL
TPH - TOTAL PETROLEUM HYDROCARBONS

NOTE: IN SOIL SAMPLE LOCATIONS WHERE MORE THAN ONE SAMPLE WAS COLLECTED, ONLY THE HIGHEST CONCENTRATIONS ARE DEPICTED. ALL CONCENTRATIONS GIVEN IN µg/kg UNLESS OTHERWISE NOTED.

0 75 150
SCALE IN FEET

SOURCE: MODIFIED FROM OMC 2002

OUTBOARD MARINE CORPORATION
WAUKEGAN, LAKE COUNTY, ILLINOIS
TDD NO. S05-0305-004

FIGURE 7
SOIL SAMPLE ANALYTICAL RESULTS

Tetra Tech EM Inc.

S:\CADD\G600\MOUTBOARD7.dwg, 12/12/2003 9:29:30 AM, jeal,peters, NV

Groundwater sampling was conducted June 5, 6, and 9, 2003 at Plant #2, during which samples were collected from existing monitoring wells and temporary points installed during soil boring installations. Thirteen of the 23 wells sampled were existing from previous site activities, and 10 wells were temporarily installed during soil sampling activities.

Depth-to-water and depth-to-well-bottom measurements were collected from each well. The wells were purged using low-flow techniques and a flow-through cell, through which water was pumped with a peristaltic pump, until dissolved oxygen, specific conductance, pH, oxidation-reduction potential, and temperature stabilized. When parameters had stabilized, the measurements were recorded and samples were collected by disconnecting the tubing before the flow-through cell and filling the laboratory-provided containers. The samples were then placed in a cooler and shipped to Great Lakes Analytical under chain-of-custody protocol. Results of groundwater sampling activities are summarized in Table 7.

When known, the names of existing monitoring wells were used for identification. When well names were unknown, START personnel used temporary designations such as MW-T101. Seven wells were not identifiable and were given temporary well names.

Elevated VOC concentrations were detected in eight monitoring wells. TCE and its degradation products were the most frequent contaminants observed in the groundwater samples (detections were observed in MW-15S, GP-12, MW-T106, GP-8, , GP-5, GP-4, and GP-15). TCE concentrations ranged from 3.12 micrograms per liter (µg/L) on the north side of the building outside the former vapor degreasing operation to 2,940 µg/L outside the chip wringer room. Benzene was detected in one well (MW-14D) located on the beach southeast of the Plant #2 property at a concentration of 32 µg/L. All temporary monitoring points installed during soil sampling activities were removed after groundwater sampling activities. Monitoring well locations and sampling results are presented in Figure 8.

3.5 ASBESTOS REMOVAL

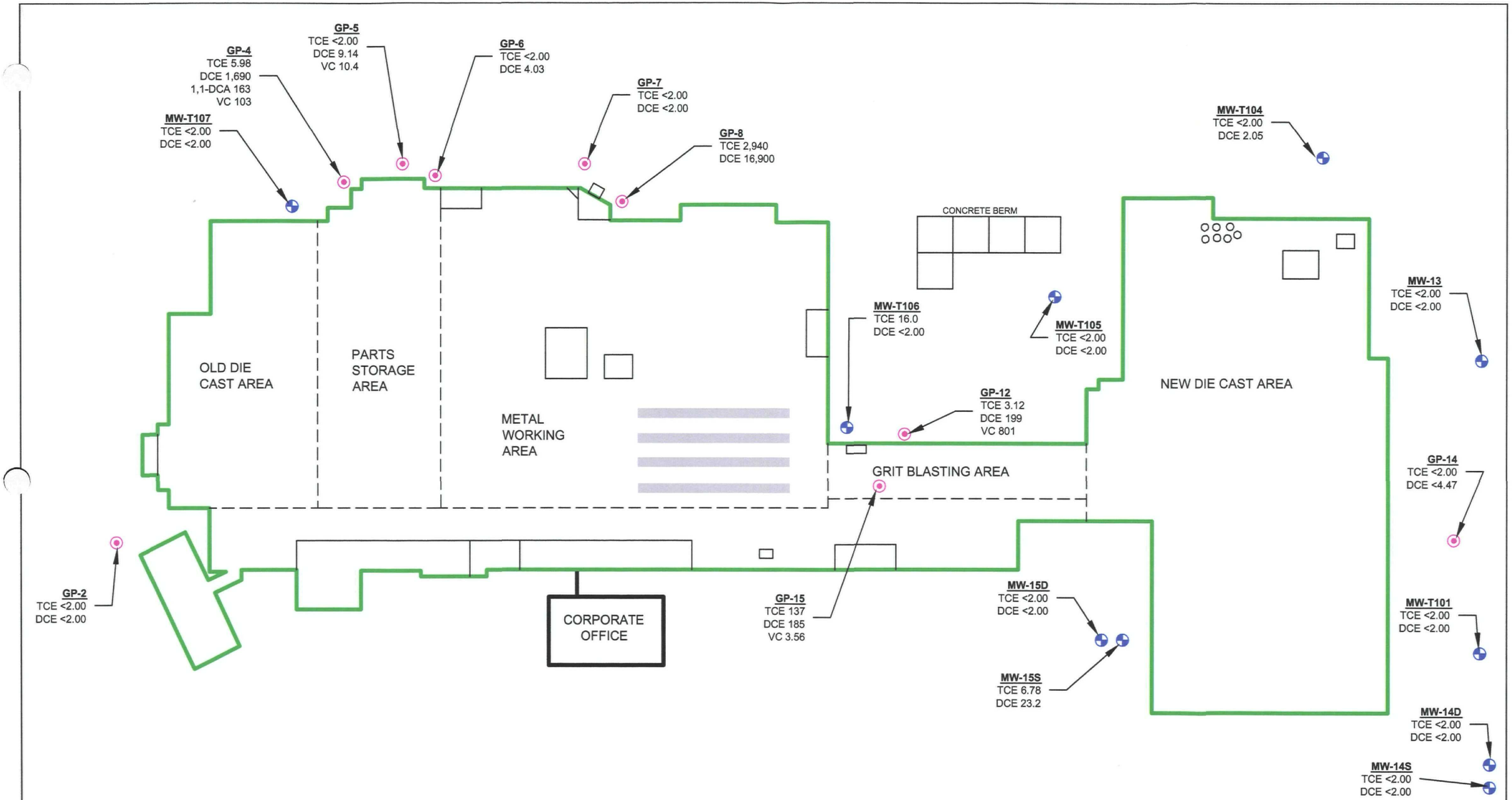
Large quantities of ACM exist throughout the building. The accessible, friable ACM identified on three pressure vessels located in the north boiler room was targeted for removal. ACM was also removed

TABLE 7

GROUNDWATER SAMPLING ANALYTICAL RESULTS
OUTBOARD MARINE CORPORATION PLANT #2
JUNE 5-9, 2003

Sample	Location	Trichloroethene	Cis-1,2-dichloroethene	Trans-1,2-dichloroethene	Vinyl chloride	Tetrachloroethene	Toluene	Benzene	Other
MW-15D	South lawn west of new die cast bldg	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	
MW-15S	South lawn west of new die cast bldg	**6.78**	**23.2**	<2.00	<2.00	<2.00	<2.00	<2.00	
MW-T101	SE portion of property inside fence behind guard house	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	
GP-14	East of bldg near former USTs	<2.00	**4.47**	<2.00	<2.00	<2.00	<2.00	<2.00	
MW-13	East edge of property near fence	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	
MW-14D	SE of Plant #2 property on beach	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	**32.0**	
MW-14S	SE of Plant #2 property on beach	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	
MW-T104	North of New Die Cast bldg, north of scale	<2.00	**2.05**	<2.00	<2.00	<2.00	<2.00	<2.00	
MW-T105	SE of former PCB oil ASTs	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	
GP-12	North of bldg. outside former vapor degreasing operation	**3.12**	**199**	<2.00	**801**	<2.00	<2.00	<2.00	
MW-T106	North of bldg. in SW corner of courtyard	**16.0**	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	
GP-8	Next to TCE product storage outside chip wringer room	**2,940**	**16,900**	**66.6**	<2.00	<2.00	**2.77**	<2.00	1,1-DCA - 7.75 1,1-DCE - 59.3
GP-7	North of chip wringer hopper	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	
GP-6	North of bldg. near old north boiler room oil feed	<2.00	**4.03**	<2.00	<2.00	<2.00	<2.00	<2.00	
GP-5	North of bldg. north of chip dock	<2.00	**9.14**	<2.00	**10.4**	<2.00	<2.00	<2.00	Chloroethane - 5.10
GP-4	North of bldg. west of chip dock	**5.98**	**1,660**	**27.2**	**103**	<2.00	<2.00	<2.00	1,1-DCA - 163 1,1-DCE - 7.92
MW-T107	North of bldg. north of old die cast bldg.	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	1,1-DCA - 2.03
GP-2	West of bldg. north of chemical storage bldg	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	
GP-15	Inside bldg at former vapor degreaser	**137**	**185**	<2.00	**3.56**	<2.00	<2.00	<2.00	

Note: **Bold results indicate detections exceeding method detection limits**
All results reported in µg/l unless otherwise noted.
µg/l = micrograms per liter



LEGEND

- BUILDING
- AREA BOUNDARY
- WALL
- GROUNDWATER SAMPLING LOCATION (EXISTING MONITORING WELL)
- GROUNDWATER SAMPLING LOCATION (TEMPORARY MONITORING WELL)

TCE - TRICHLOROETHENE
DCE - DICHLOROETHENE
VC - VINYL CHLORIDE
1,1 DCA - 1,1 DICHLOROETHENE

NOTE: ALL CONCENTRATIONS GIVEN IN µg/L UNLESS OTHERWISE NOTED.

0 75 150
SCALE IN FEET

N

SOURCE: MODIFIED FROM OMC 2002

OUTBOARD MARINE CORPORATION
WAUKEGAN, LAKE COUNTY, ILLINOIS
TDD NO. S05-0305-004

FIGURE 8

GROUNDWATER SAMPLE ANALYTICAL RESULTS

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from locations on the west side of the building. The ACM on the west side of the building was associated with venting and external piping in an older part of the plant, and its condition was such that removal was prudent. EQM removed and double-bagged the ACM from the piping adjacent to the pressure vessels and locations on the west side of the building. The bagged material was placed in a roll-off box for transportation and disposal. The pressure vessels, each measuring about 6 feet tall and 4 feet in diameter, were double-wrapped in plastic sheeting and placed in the roll-off box. Photograph No. 13 shows EQM personnel preparing the pressure vessels for disposal.

No sampling or analysis of the ACM was conducted.

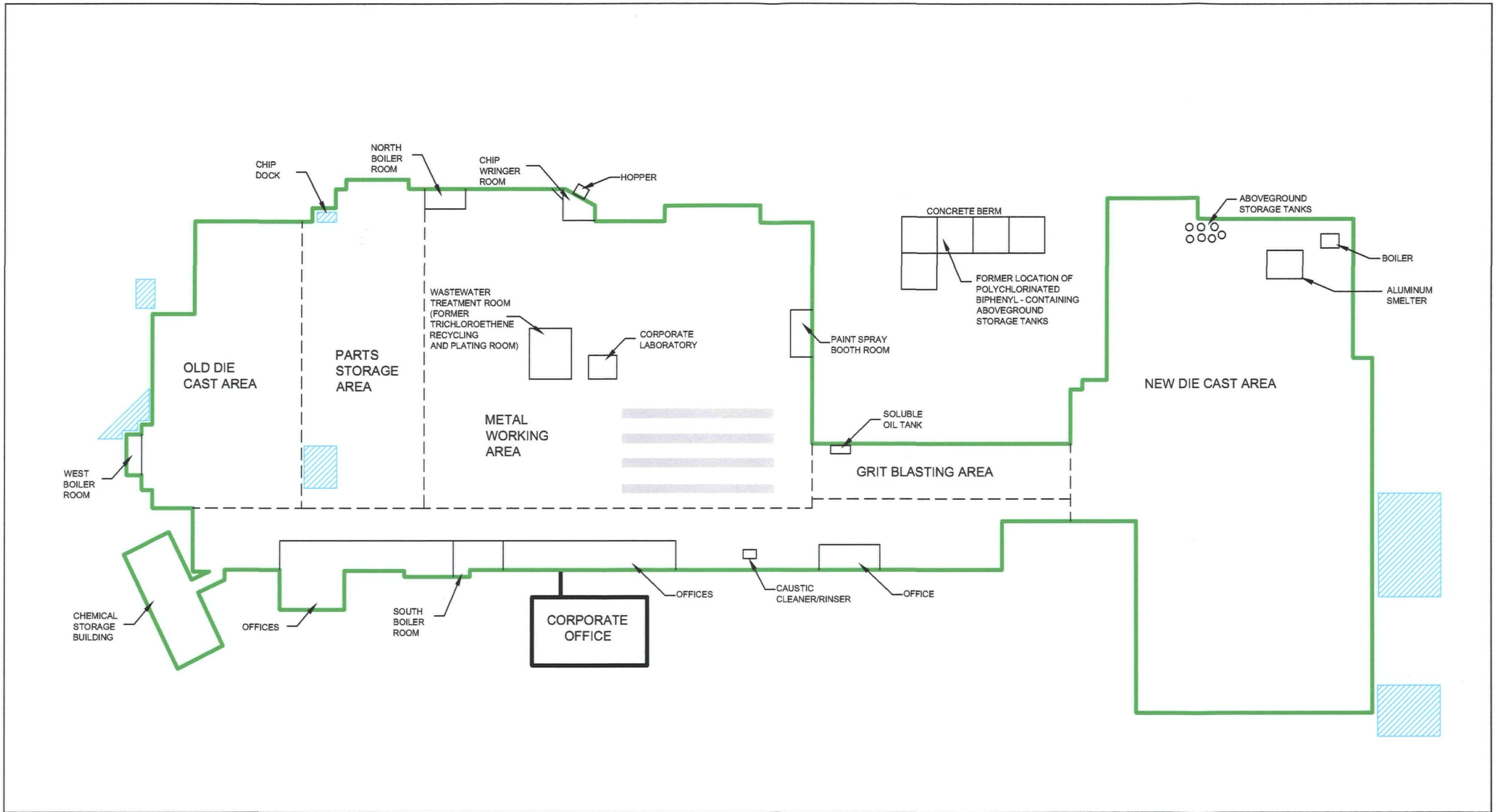
3.6 GEOPHYSICAL SURVEY

U.S. EPA geophysicist Mark Vendl conducted a geophysical survey using ground-penetrating radar (GPR) to verify the existence of underground storage tanks (UST) on the Plant #2 property. This survey was based on historical drawings and old plant records. The five areas surveyed with GPR are depicted in Figure 9. Subsurface anomalies displaying signals consistent with those of buried USTs, were detected in two of the five survey areas. These areas were located on the west side of the building outside the old die cast area, and inside the chip dock on the north side of the building. Based on the historical drawings, the tanks on the building's west side contained fuel oil. According to Jim Rumford, these tanks were abandoned in place and likely filled with inert material such as sand or concrete. The USTs in the chip dock were used to hold new and used hydraulic oil from die cast operations.

Photograph No. 14 shows geophysical survey being conducted on the west side of the building over the former fuel oil USTs.

3.7 AIR SAMPLING

Air sampling was conducted in the plant building to determine the disposition of airborne PCBs after decontamination activities were completed. Air samples were collected using air pumps and polyurethane foam cartridges, which were run for a period of about 6 hours. The samples collected from the western portion of the building, from the old die-cast area, the former parts storage area, and the



LEGEND

- BUILDING
- AREA BOUNDARY
- WALL
- GEOPHYSICAL SURVEY LOCATION

0 75 150
SCALE IN FEET

N

SOURCE: MODIFIED FROM OMC 2002

OUTBOARD MARINE CORPORATION
WAUKEGAN, LAKE COUNTY, ILLINOIS
TDD NO. S05-0305-004

FIGURE 9
GEOPHYSICAL SURVEY LOCATIONS

Tetra Tech EM Inc.

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metal working area. Previous air, waste, and wipe samples collected during the discovery site visit, indicated that PCBs were not a concern in the eastern portion of the building, so sampling was concentrated in the western portion of the building. Air sample analytical results are summarized in Table 8 and sampling locations are presented in Figure 10.

Analytical results indicate PCBs ranging from 4.2 micrograms per cubic meter ($\mu g/m^3$) to 18 $\mu g/m^3$, with higher concentrations exhibited in the old die cast area and lower concentrations in the metal working area. These concentrations exceed the NIOSH time-weighted average exposure limit of 1 $\mu g/m^3$.

3.8 TRANSFORMER DRAINING

The final task to be performed by U.S. EPA was to drain the electrical transformers located both on the roof and inside the Plant #2 building. After the transformers were drained and fluid replaced during PRP-led removal activities in November 2002, U.S. EPA and START sampled the transformers to determine whether PCB concentrations had been sufficiently reduced. After 90 days of use, the transformers were sampled by U.S. EPA and the PCB concentrations were shown to still exceed regulatory levels. Results of the preliminary transformer sampling are summarized in Table 1.

After each transformer was de-energized, PCB-containing dielectric fluid was drained using a vacuum truck. After each transformer was drained, the plugs were replaced and the transformer was left empty with power disconnected. One transformer (#8) was left full of fluid and energized because it was determined that it supplied the Plant #2 guard house and the Plant #1 phone and fire alarm systems with power. City of Waukegan has agreed in writing to accept responsibility for this transformer. Photographs No. 15 and 16 show transformers on the roof and inside the plant being drained.

Transformer draining was conducted from July 9 and 10, 2003. Figure 11 shows the locations of the transformers in Plant #2.

3.9 SEDIMENT CONTAINMENT CELLS

Throughout U.S. EPA's involvement with Plant #2 after OMC's abandonment, U.S. EPA provided upkeep, continued sampling, and reporting for the sediment containment cells associated with the Plant

TABLE 8

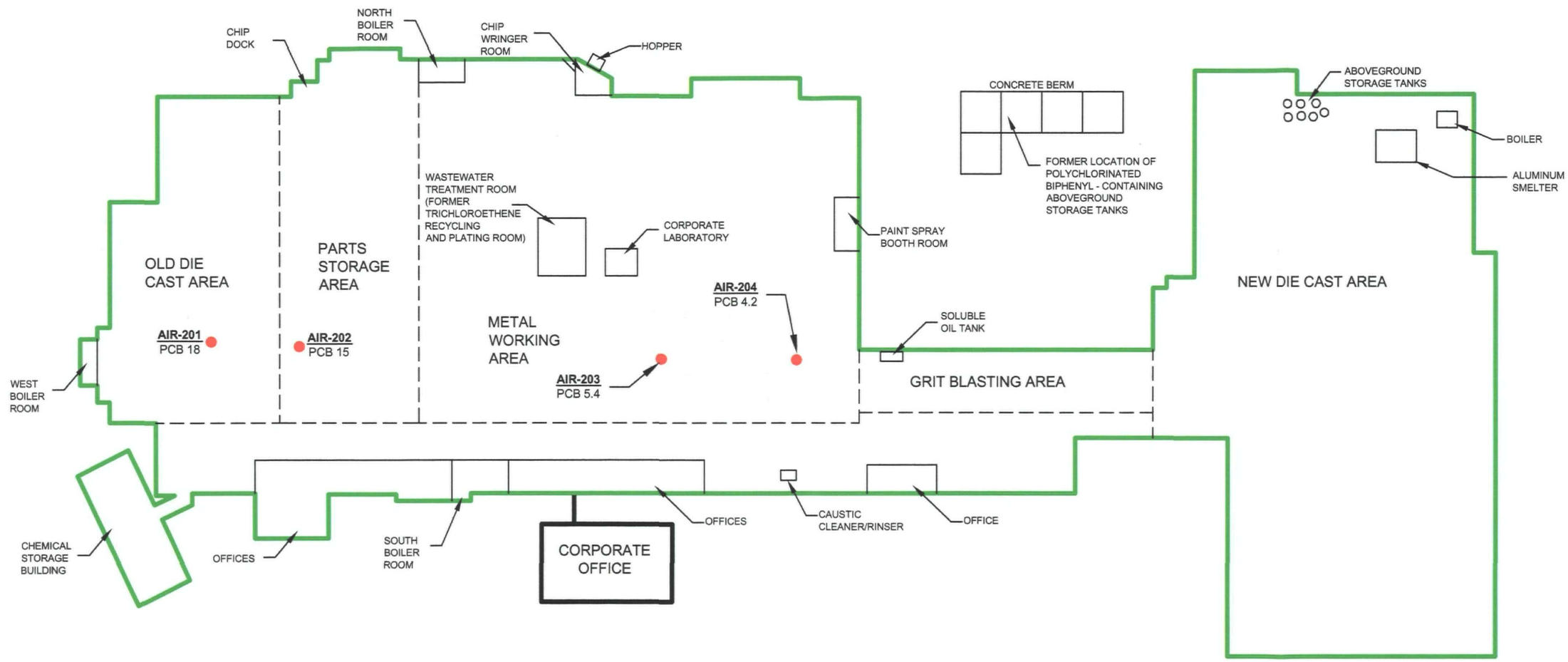
AIR SAMPLING ANALYTICAL RESULTS
OUTBOARD MARINE CORPORATION PLANT #2

Sample	Location	PCB Concentration ($\mu g/m^3$)
AIR-201	Old Die Cast Area	**18**
AIR-202	Parts Storage Area	**15**
AIR-203	Metal Working Area	**5.4**
AIR-204	Metal Working Area	**4.2**
AIR-BLANK	Office	<1

Notes:

Bold values indicate concentrations exceed NIOSH TWA exposure limit of 1 $\mu g/m^3$

$\mu g/m^3$ = microgram per cubic meter
NIOSH = National Institute for Occupational safety and Health
PCB = polychlorinated biphenyl
TWA = time-weighted average



LEGEND

- BUILDING
- AREA BOUNDARY
- WALL
- AIR SAMPLE LOCATION

AIR CONCENTRATIONS IN µg/m³

µg/m³ - MICROGRAMS PER CUBIC METER

PCB - POLYCHLORINATED BIPHENYL

0 75 150
SCALE IN FEET

N

SOURCE: MODIFIED FROM OMC 2002

OUTBOARD MARINE CORPORATION
WAUKEGAN, LAKE COUNTY, ILLINOIS
TDD NO. S05-0305-004

FIGURE 10
AIR SAMPLE LOCATIONS

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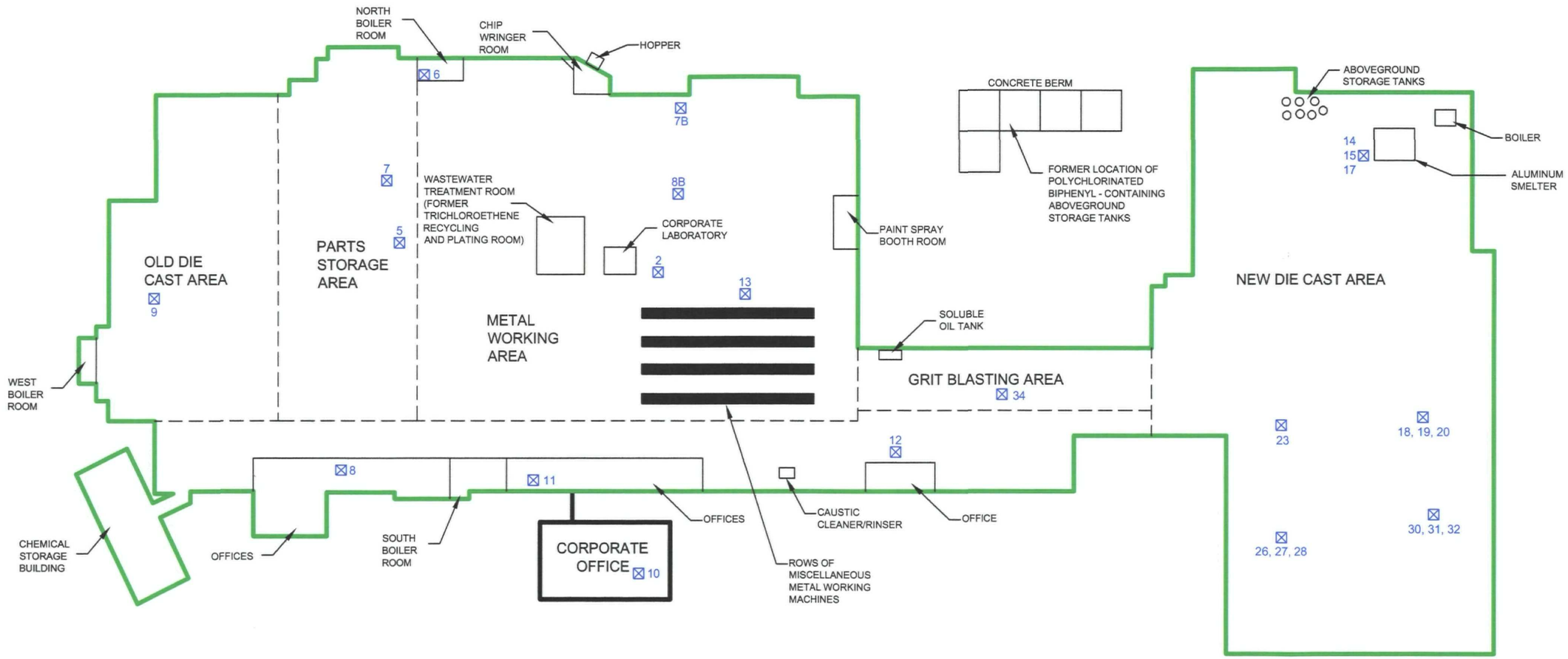
#2 property. Upkeep of the containment cell systems included grass cutting, equipment repair and replacement, and operation.

Three sediment containment cells exist on or adjacent to the Plant #2 property and were built to hold sediment previously dredged from Waukegan Harbor. Two of the cells are located on the northern portion of the property along the north ditch and are maintained by groundwater pumping systems, which keep water levels within the cells below that of the surrounding water table. Electrical power was fed to the cells by power lines connected to the building power system. When the transformers were shut down and drained, electrical power needed to be supplied from an independent source. On July 11, 2003, U.S. EPA contractors installed new electric service to the two containment cells on the northern portion of the property. The third containment cell (Former Slip 3), located to the south of Plant #2 across Seahorse Drive, was originally connected to electrical power independently of the Plant #2 system.

On December 5, 2003, the containment cell systems were winterized and shut down for the season and in preparation for transferring responsibility for their operation to IEPA or the City of Waukegan.



LEGEND

- BUILDING
- AREA BOUNDARY
- WALL
- 9 TRANSFORMER

SOURCE: OMC 2002

0 75 150
SCALE IN FEET

N

OUTBOARD MARINE CORPORATION
WAUKEGAN, LAKE COUNTY, ILLINOIS
TDD NO. S05-0305-004

FIGURE 11
PLANT #2 TRANSFORMER LOCATIONS

Tetra Tech EM Inc.

S:\CADD\G90\ 04\FIGURE 4 TRANSFORMER LOCATIONS.dwg, 12/9/2003 9:58:55 AM, joel peters, NV

4.0 SUMMARY

U.S. EPA's waste removal activities have been completed, and the Plant #2 property has been abandoned in accordance with the "Trustee's Motion for Abandonment of Real Property and Records Relating to Real Property" dated November 1, 2001.

U.S. EPA conducted waste removal activities at Plant #2 over a 9-week period beginning in May 2003. The completed removal activities included waste removal, floor decontamination, tunnel inspections, soil and groundwater sampling, asbestos removal, and transformer draining. Based on the analytical results from samples collected during the discovery site visit, it was determined that the majority of PCB contamination existed in the older portions of the plant (western portion). Machines in the metal working area were removed and scrapped, and the floor cleaned with high-pressure, hot water. Tunnels in the old die cast area were inspected and videotaped to document potential contamination sources. Soil and groundwater were sampled during U.S. EPA removal activities to document releases of contaminants to the environment. Transformers were drained and left disconnected. Air sampling was conducted to determine air quality inside the Plant #2 building and showed that PCB concentrations in air are still elevated.

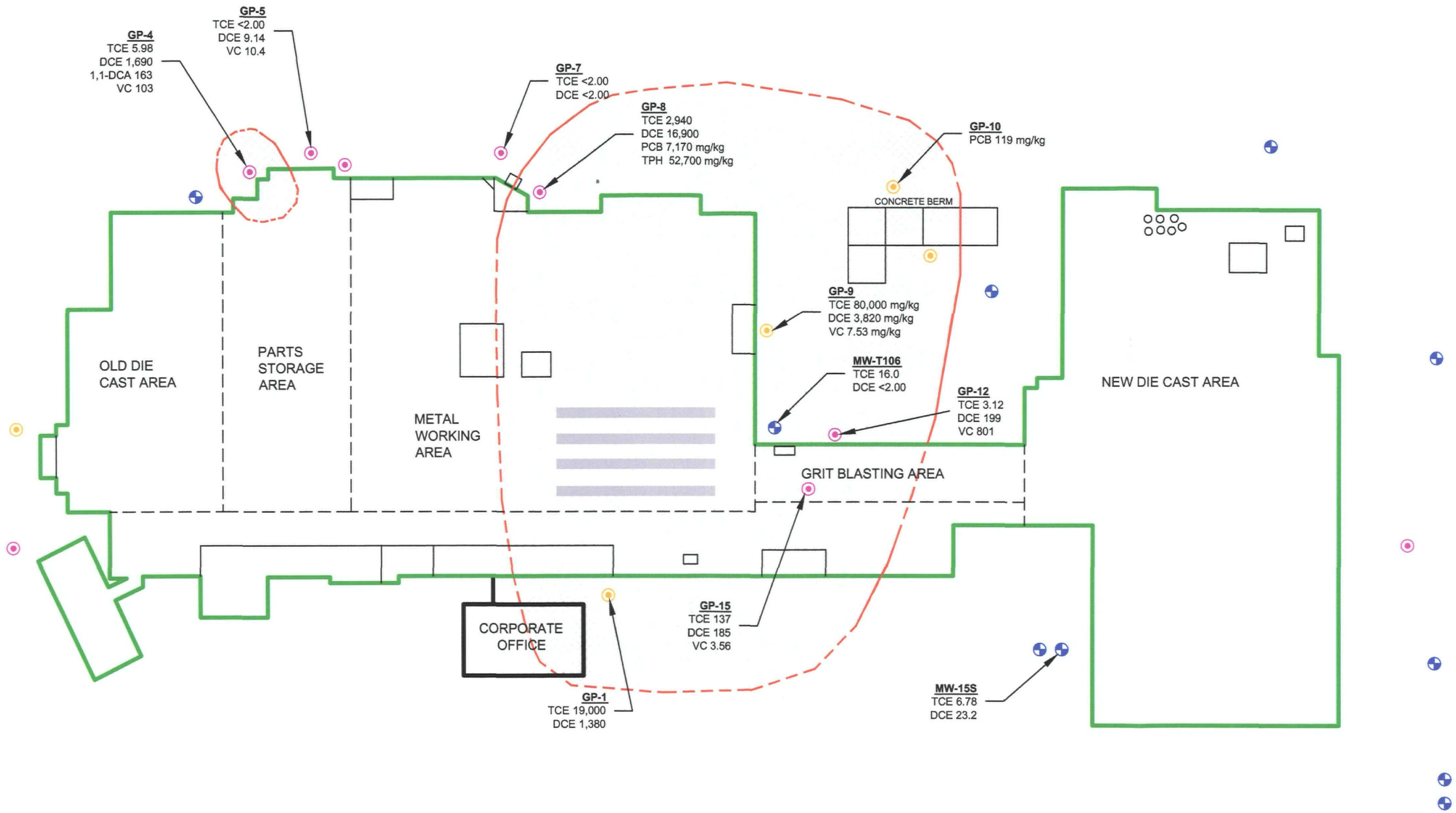
Upon abandonment of the Plant #2 property by OMC Trust on December 10, 2002, U.S. EPA agreed to arrange for 24-hour security of the property and building. U.S. EPA had also directed its contractor to arrange for operation and maintenance of the treatment system associated with the sediment containment cells. These services could only be funded by U.S. EPA for a period of 1 year, and so arrangements with the City of Waukegan or the State of Illinois will be required to continue these operations.

5.0 RECOMMENDATIONS

U.S. EPA Response Branch involvement in the OMC Plant #2 site concluded on December 10, 2003. Based on results of the activities completed by U.S. EPA on July 11, 2003, several recommendations are warranted to minimize exposure to PCBs and ACM, and prevent releases to the environment. Also, further work will be necessary to fully characterize the extent of hazardous material released to the environment.

Recommendations for future caretakers of the OMC Plant #2 property are as follows:

- Because PCB concentrations measured in the air samples exceed NIOSH standards in the old part of the plant, access to the eastern portion of the building should be restricted. Future use of the Plant #2 building should prohibit access to the old part of the building, including the old die cast, former parts storage, and metal working areas.
- Additional soil and groundwater investigation is needed further delineate the extent and magnitude of the hazardous substance release to the environment. High concentrations of TCE, DCE, vinyl chloride and PCBs have been identified in the subsurface beneath the center portion of the building. A small area near the former chip dock (former parts storage area) also exhibit high concentrations of VOCs. Further investigation activities should be conducted in the areas identified in Figure 12.
- The three sediment containment cells require continued operation, maintenance, and upkeep of their groundwater pumping systems to prevent the possible outflow of PCB-impacted groundwater from the cells to the north ditch and to Lake Michigan. Section 3.9 provides further information about the containment cell systems.
- Periodic inspections of building integrity, piping, and plant, should be conducted. A small portion of friable asbestos was removed as part of U.S. EPA's removal activities. Since a large amount of currently non-friable asbestos remains in the building, additional inspections and maintenance should be conducted to guard against further deterioration.



LEGEND

- BUILDING
- AREA BOUNDARY
- WALL
- AREA REQUIRING FURTHER INVESTIGATION
- GROUNDWATER SAMPLING LOCATION (EXISTING MONITORING WELL)
- GROUNDWATER SAMPLING LOCATION (TEMPORARY MONITORING WELL)
- SOIL SAMPLING LOCATION

SOURCE: MODIFIED FROM OMC 2002

TCE - TRICHLOROETHENE
DCE - DICHLOROETHENE
VC - VINYL CHLORIDE
1,1 DCA - 1,1 DICHLOROETHANE
PCB - POLYCHLORINATED BIPHENYL
TPH - TOTAL PETROLEUM HYDROCARBON

NOTE: ALL CONCENTRATIONS GIVEN IN µg/L UNLESS OTHERWISE NOTED.

0 75 150
SCALE IN FEET

N

OUTBOARD MARINE CORPORATION
WAUKEGAN, LAKE COUNTY, ILLINOIS
TDD NO. S05-0305-004

FIGURE 12
AREAS REQUIRING FURTHER INVESTIGATION

Tetra Tech EM Inc.

Outboard Marine Corporation (OMC). 2002. Sketch of OMC Property Layout Received from Ken Theisen, U.S. EPA. February 19.

TechLaw, Inc. (TechLaw). 2001. "Preliminary Assessment/Visual Site Inspection Report and NCAPS Scoring Report for Outboard Marine Corporation, Waukegan, Illinois, EPA ID No. ILD000802837."

Tetra Tech EM Inc. (Tetra Tech). 2002. "Discovery Site Visit Report for Outboard Marine Corporation, Waukegan, Lake County Illinois." May 10.

Tetra Tech. 2003. "PRP Removal Action Summary Report for Outboard Marine Corporation Plant #2, Waukegan, Lake County, Illinois." January 20.

U.S. Bankruptcy Court for the Northern District of Illinois - Eastern Division (U.S. Bankruptcy Court). 2002. "Settlement Agreement." July 17.

U.S. Environmental Protection Agency (U.S. EPA). 2001. "Draft Sampling and Analysis Report for Outboard Marine Corporation, RCRA Facility, EPA ID No. ILD000802827."

U.S. Geological Survey (USGS). 1993a. 7.5-Minute Series Topographic Map of Waukegan, Illinois, Quadrangle.

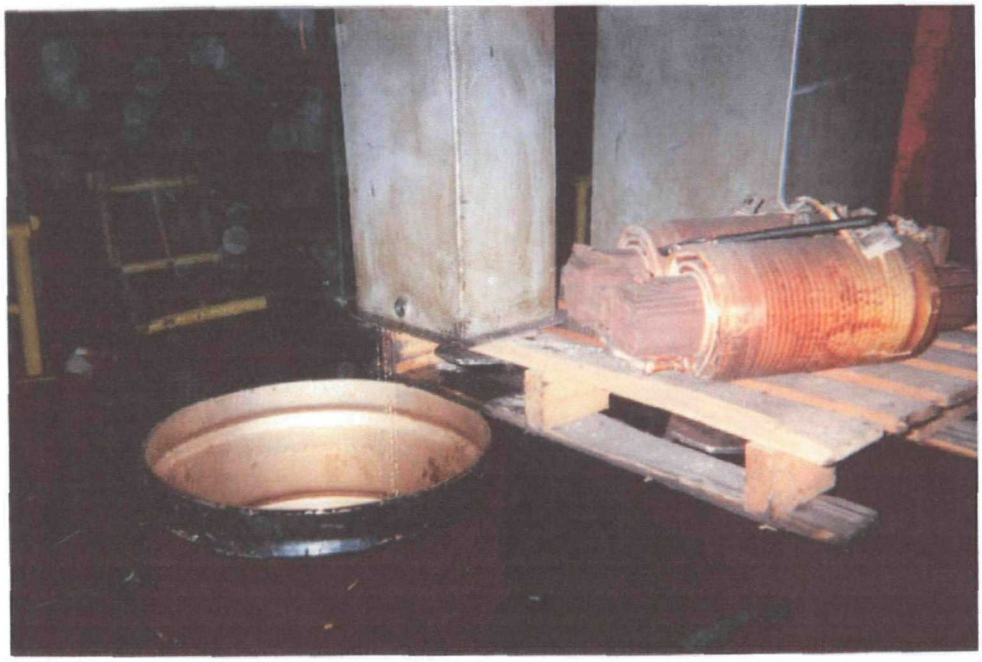
USGS. 1993b. 7.5-Minute Series Topographic Map of Zion, Illinois-Wisconsin, Quadrangle.

APPENDIX A
REMOVAL ACTION PHOTOGRAPHS

(8 Pages)

Tetra Tech EM Inc.

Photograph No.: 1 **Orientation:** West
TDD Number: S05-0305-004 **Date:** May 22, 2003
Location: Outboard Marine Corporation Plant #2
Subject: Springfield Belle water treatment trailer set up and operating in Plant #2.

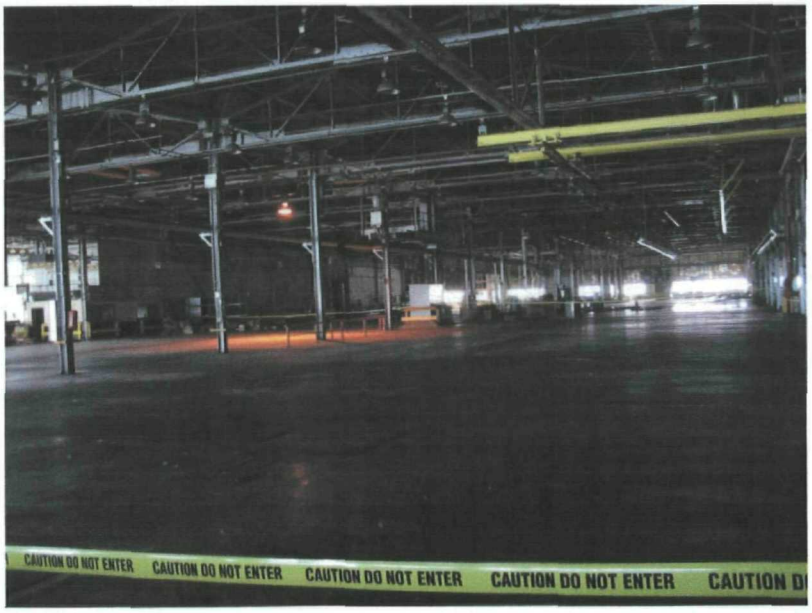


Photograph No.: 2 **Orientation:** West
TDD Number: S05-0305-004 **Date:** June 13, 2003
Location: Outboard Marine Corporation Plant #2
Subject: Small quantities of waste materials being consolidated in 55-gallon drums.

Photograph No.: 3 **Orientation:** North
TDD Number: S05-0305-004 **Date:** May 13, 2003
Location: Outboard Marine Corporation Plant #2
Subject: Cleaning out chip wringer pit.

Photograph No.: 4 **Orientation:** Northeast
TDD Number: S05-0305-004 **Date:** June 23, 2003
Location: Outboard Marine Corporation Plant #2
Subject: Metal working area after machines removed and floor cleaned.

Photograph No.: 5 **Orientation:** Northeast
TDD Number: S05-0305-004 **Date:** June 23, 2003
Location: Outboard Marine Corporation Plant #2
Subject: Metal working area with machines removed and floor cleaned.



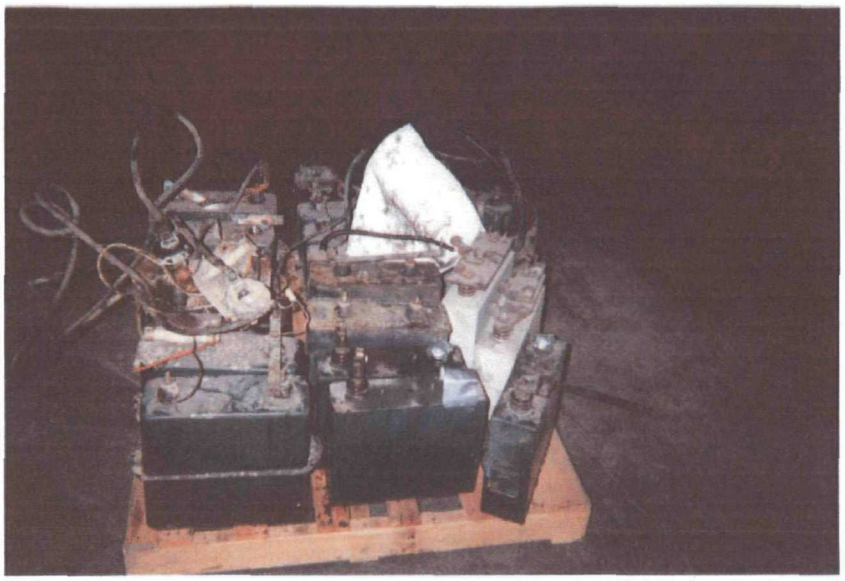
Photograph No.: 6 **Orientation:** North
TDD Number: S05-0305-004 **Date:** June 30, 2003
Location: Outboard Marine Corporation Plant #2
Subject: Old die cast area floor cleaned by EQM.

Photograph No.: 7 **Orientation:** North
TDD Number: S05-0305-004 **Date:** June 30, 2003
Location: Outboard Marine Corporation Plant #2
Subject: Cleaned floor in parts storage area.

Photograph No.: 8 **Orientation:** North
TDD Number: S05-0305-004 **Date:** June 25, 2003
Location: Outboard Marine Corporation Plant #2
Subject: EQM personnel cleaning sludge out of trailer.

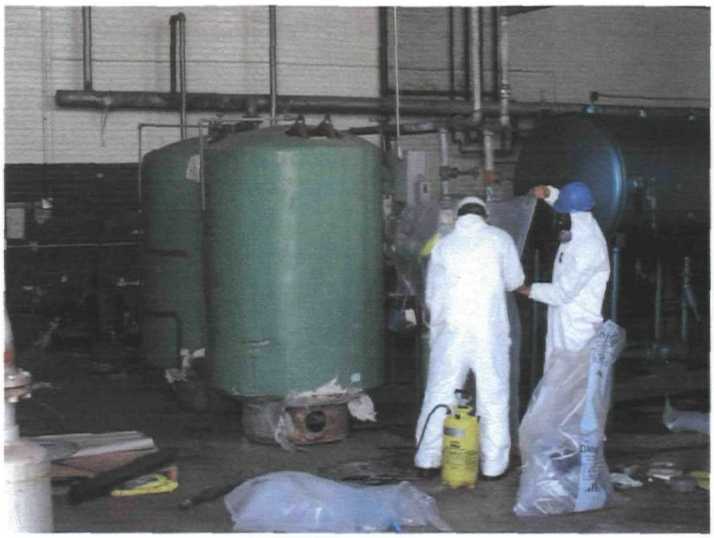
Photograph No.: 9 **Orientation:** East
TDD Number: S05-0305-004 **Date:** June 25, 2003
Location: Outboard Marine Corporation Plant #2
Subject: Holes cut in trailer to make it unusable.

Photograph No.: 10 **Orientation:** Unknown
TDD Number: S05-0305-004 **Date:** May 20, 2003
Location: Outboard Marine Corporation Plant #2
Subject: Twenty-gallon steel drum of oil from old die cast tunnels.



Photograph No.: 11 **Orientation:** Unknown
TDD Number: S05-0305-004 **Date:** May 20, 2003
Location: Outboard Marine Corporation Plant #2
Subject: Capacitors removed from old die cast tunnels.

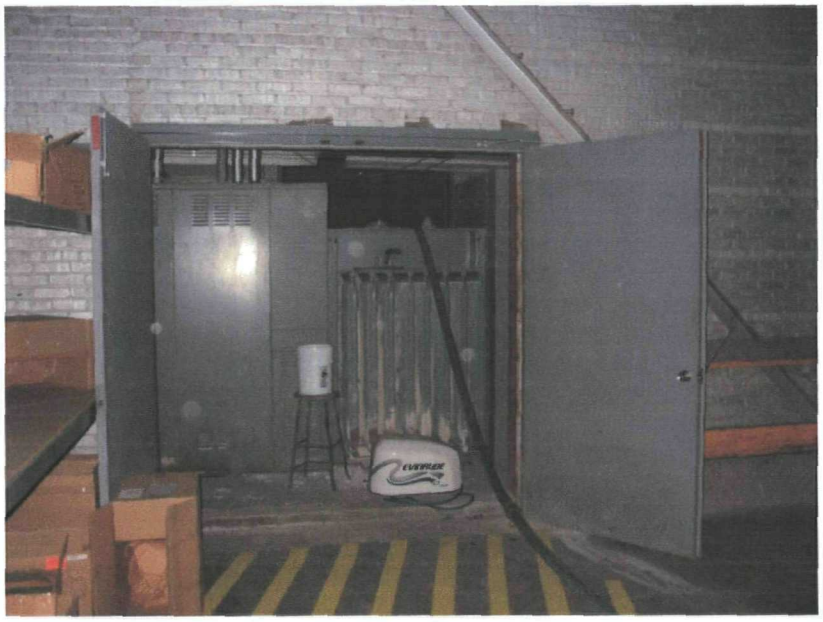
Photograph No.: 12 **Orientation:** South
TDD Number: S05-0305-004 **Date:** June 19, 2003
Location: Outboard Marine Corporation Plant #2
Subject: Monitoring well GP-8 outside chip wringer room on north side of Plant #2 building.



Photograph No.: 13 **Orientation:** South
TDD Number: S05-0305-004 **Date:** July 8, 2003
Location: Outboard Marine Corporation Plant #2
Subject: Preparation of pressure vessels for disposal.

Photograph No.: 14 **Orientation:** South
TDD Number: S05-0305-004 **Date:** June 25, 2003
Location: Outboard Marine Corporation Plant #2
Subject: Geophysical survey on west side of Plant #2 building.

Photograph No.: 15 **Orientation:** South
TDD Number: S05-0305-004 **Date:** July 10, 2003
Location: Outboard Marine Corporation Plant #2
Subject: Draining PCB fluid from transformers on new die cast area roof.



Photograph No.: 16 **Orientation:** West
TDD Number: S05-0305-004 **Date:** July 9, 2003
Location: Outboard Marine Corporation Plant #2
Subject: Draining PCB fluid from indoor transformer #9.

APPENDIX B
FIELD NOTES

(16 Pages)

OMC Waukegan - Field Notes

3/26/03

0830 Met Ken Theisen (OSC) and Jim Rumford at site. Will sample transformers and a couple wipe samples.

0900 Jeff Rhinefeld arrived with sampling supplies.

0930 Began sampling transformers.

1145 Completed sampling indoor transformers – Transformers 12,13 and corporate building are transformers containing silicone or mineral oil, and were not sampled. Will need to take pictures of faceplate for documentation. Ken Theisen & Jeff Rhineford collected sample from tanker truck. Could not get a sample, so no sample collected.

1600 All parties off-site, will do floor wipe samples tomorrow

3/27/03

0830 Ken Brown arrived on site met Jim Rumsfeld, will sample floor with wipe samples.

0900 All wipe samples collected as grab samples with $100cm^2$ template.

1030 Completed collection of floor wipe samples (28). Jim Rumford loading scrap steel dumpster.

1130 Ken Brown off-site.

Floor Sample	Containment	Row	Time
WP-301	In	1	0910
WP-302	Out	1	0913
WP-303	In	1	0916
WP-304	Out	1	0918
WP-305	In	1	0921
WP-306	In	1	0923
WP-307	In	1	0926
WP-308	In	1	0930
WP-309	Out	1	0931
WP-310	Out	2	0933
WP-311	Out	2	0936
WP-312	Out	2	0940
WP-313	Out	1	0943
WP-314	Out	2	0945
WP-315	Out	2	0948
WP-316	In	2	0951
WP-317	Out	1	0954
WP-318	Out	3	0957
WP-319	In	4	1000

WP-320	Out	3	1003
WP-321	Out	4	1007
WP-322	In	4	1009
WP-323	Out	3	1012
WP-324	In	4	1015
WP-325	Out	3	1018
WP-326	In	4	1020
WP-327	In	4	1023
WP-328	Out	4	1026

5/12/03

0730 Start (Ken Brown) on site met Jim Rumsford

0800 EQM (Jeff Rhinefield and crew) onsite.

0815 USEPA (Ken Theisen) on site.

0900 Began delinating area to be area to be cleaned in metalworking area.

1100 Began marking metalworking area based on wipe sample results.

1700 Talked about various gas cylinders around the plant.

1830 Everyone off-site.

5/13/03

0630 EPA, Start, EQM on site. Safety meeting.

0800 Start marked out area in metalworking area to be cleaned.

1000 EQM crew removing chips & sludge from chip wringer pit.

1100 Checked on crew in chip wringer pit.

1330 Put holes in propane cylinders EQM crew finishing up chip wringer pit.

1500 EPA OSC & START checked out basement of waste water treatment room. OSC decided that small amount of dry sludge on basement floor was not worth sampling.

1600 START & Jim Rumford gathered gas cylinders.

1600 EPA OSC off-site.

1830 Everyone off-site.

5/14/03

0630 Everyone on site except OSC EQM doing final cleanup on chip wringer.

0700 Checked water in pit of waste water treatment room. Pit has a hard bottom and about 5 feet of water (ph7). I took a small amount of water into the WWT room basement to check out sludge on the floor.

0800 Began disconnecting machines and moving them over to dock 1B area.

1130 START (Brown off-site).

0945 EPA OSC on-site.

05/15/03

0800 START on-site, everyone else here on-site. Removing machines. De-conned small area yesterday in metalworking area.

1000 EQM loading scrap steel, garbage from metalworking area. OSC stared we should collect samples from chips and gravel pile.

1100 Collected solid samples from the following locations:

Locations	Samples/comp type	Time
CW chips	(6) composite	1030
MW chips	(4) composite	1040
Roof gravel	(4) composite	1100

- CW chips- chip wringer chips removed from chip wringer pit (6 drums)
- MW chips- metalworking chips collected from 4 hoppers found in metalworking area
- Roof Gravel- composite collected from 4 locations on gravel pile in parking for next to for PCB on AST location.

1430 Collected 2 transformer oil samples from the following transformers:

Trans	Type	Time
#11	Grab	1450
#7	Grab	1440

1600 EQM Counting to clean floor and remove debris

1700 Removed machines to clear floor

1830 Everyone off-site

5/16/03

0630 Everyone (EPA,EQM, TtEMI, Rumford) on-site. Safety Meeting. Will ship out yesterday's samples to Great Lakes.

0800 Jim Rumford loading machine into hopper. Great Lakes Analytical will be

coming today (this morning to pick up samples).

0945 Great Lakes Analytical picked up samples from PCB analysis.

1030 START off-site. Everyone else still on-site until 1830.

5/19/03

0800 START (Brown) on-site. Everyone else (EQM, EPA, Rumford) on–site. EQM crew removing debris and machines from area to be cleaned.

0900 Called Eagle Instruments and ordered a video camera for taping the old die cast area tunnels.

1000 Last Thursday Rockford Industrial picked up old gas cylinders (Aceycone, 02, Ammonia) 2-3lb gas cylinders of H_2S will have to be disposed.

1300 Loading scrap steel into roll off boxes.

1500 Looked in Engineering office from drawings of plant #2, looking for sewers, old layout, past operations

1800 EQM wrapping work up for the pay. Jim Rumford continues to fill Roll-off boxes with scrap steel.

1830 Everyone off-site.

5/20/03

0630 Everyone (EQM, EPA, START, Rumford) on-site. Waiting for video camera to show up this morning so we can video tape the pipe chases in the old die cast area. A portable tank will also be delivered today so the tunnels in the new die cast area can be pumped.

0800 EQM cutting and removing machines from metalworking area.

1100 Louis from ACME refining on-site to look at machines for scrap value.

1400 Jeff Rhinefield, Jim Rumford, and Ken Brown entered the Pie Chase tunnels in the old die cast area. The pipe chases were videotaped and explored for any hazardous substances. 15-20 PCB capacitors were found in the west tunnel. Also, compressed gas cylinder of acetylene and oxygen were also found in the tunnel. No evidence of gross contamination was observed.

1800 Continuing to remove machines from metalworking area. Some machines are being loaded onto roll off boxes. OSC & START found two electrical components filled with oil. START will sample them tomorrow.

1830 Everyone off-site.

5/21/03

0630 Everyone on-site. Will take same wipe samples this morning.

0800 START collected 3 wipe samples from the floor of the metal working area that has been cleaned by EQM.

Sample	Type	Time
WP-401	Wipe	0730
WP-402	Wipe	0740
WP-403	Wipe	0750

START collected a composite oil sample from two small transformers found North of New Die Cast area.

Sample	Type	Time
Small Transformers	Oil	0800
Old Disease Oil	Oil	0945

1000 EQM took first load of water from new die cast tunnels to be processed through Springfield Belle.

1130 START off-site everyone else still working on-site.

1200 START off-site.

5/22/03

0730 START on-site. Everyone else (EQM) removing machines from metalworking area.

0830 On Tuesday when we entered the tunnels, we found two 20 gal containers with oil. One was sampled as "old Die Cast oil" on 5/21/03. We will enter the North tunnel in the Old Die cast area this morning.

1300 Jim Rumford and START searched for and found old drawings and photos of plant #2. These drawings show the tunnel layout and old tanks.

1430 Jim Rumford, Jeff Rhinefield, and Ken Brown entered the tunnels at the north end of old die cast area. Tunnels were videotaped. Only 2 capacitors were found in this tunnel.

1700 EQM pumping water from new die cast area and moving it to Springfield Belle.

1730 Everyone off site.

5/23/03

0630 START, EPA, EQM on site. Safety mtg. EQM continuing work on machines in metalworking area.

0830	EQM cleaning around Greenlee machine in metalworking area.
1000	START and Jim Rumford loading steel in roll-off box.
1230	Everyone off site for Memorial Day weekend.

5/27/03

1315	START arrived on site. EPA OSC not here yet. EQM on site and working on moving machines out of metal working area.
1500	EPA OSC and START drive around the site to locate monitoring well locations. There are numerous wells around the site. Will open up the wells to see if there is water.
1600	EQM removed the two cylinders from the tunnel under the old die cast area.
1830	Everyone off site.

5/28/03

0630	EQM, Jim Rumford, START on site. Safety mtg. Will continue to remove machines from metalworking area and load onto roll off boxes or flat bed trailer.
0900	START and Jim Rumford loading steel into roll off boxes.
1300	OSC and START checked 10 wells around the plant to see if they could be sampled. There were about 10 wells that could be sampled. We will plan on sampling them next week.
1600	Loading steel into roll off box. EQM washing Greenlee machines and dismantling metalworking machines.
1830	Everyone off site.

5/29/03

0630	Everyone on site. EQM de-conning metalworking area floor, dismantling machines, loading metal in roll off boxes.
0830	EQM de-conning floor and dismantling machines. Loaded heavy machines on flatbed trailer.
1500	Loading steel into roll off boxes. EQM de-conning floor and cutting machines in metalworking area.
1830	Everyone off site.

5/30/03

0630 Everyone on site. Starting to de-con floor and dismantle machines.

0900 EQM removing machines from metal working area and de-conning floor. Two roll off boxes picked up today and two empty left. Flat bed trailer with heavy machines was also picked up.

1200 START off site. Set up geoprobe for Wed. June 4.

6/2/03

1030 START on site. Everyone else already on site and working on dismantling machines and de-conning floor.

1100 Collected 4 waste samples from 4 groups of drums to be disposed of. Composite samples were collected from:

Source	#Drums/Tanks	Type
V4 Greenlee	2	Oil
V4 Greenlee	4 of 6	Sludge
Hydromation	2	Sludge
Cross Transfer	3	Sludge
New Die Cast Tanks	6	Oil/Water

1500 Completed sampling and chain of custody for samples. Great Lakes will pick up samples tomorrow (Tuesday).

1700 EQM continuing to clean floor and dismantle machine in MW area.

1830 Everyone off site.

6/3/03

0630 Every one on site. EQM, EPA, START, Jim Rumford. EQM continuing to clean floor and dismantle machines. Jim Rumford suggested we look at floor samples from old die storage. Historic activities suggest that PCBs might have impacted the floor in the old die cast and old die storage areas.

1000 Located geoprobe sample locations around the outside of the plant.

1400 Attempted to locate former sample locations in former parts storage area. Will complete tomorrow.

1500 START off site. Everyone else still on site.

6/4/03

0800 START arrived on site. Everyone else already on site. Kitson geoprobe to arrive at 9 am.

0840 Spoke to Harry Ellis (CH) to ask about sampling parameters outside smelting area. Ammonia, aluminum, TAL metals were suggested by Harry.

0845 Greg Kitson arrived to geoprobe and collect soil samples.

1200 Continuing to collect soil samples with geoprobe.

1730 Finished collecting soil samples for the day. Could not collect a suitable water sample with the geoprobe, so we installed temporary wells in most of the geoprobe borings.

1830 Everyone off site.

6/5/03

0630 Everyone on site. EPA OSC not on site yet. Will continue to collect soil samples with the geoprobe. START will begin sampling water from the monitoring wells.

0800 Greg Kitson arrived on site to continue soil sampling. Maggie Trabeau arrived on site to begin sampling groundwater monitoring wells.

1400 Finished up soil sampling. Greg Kitson off site. Installed 15 geoprobe borings around the site.

1500 Continuing to sample monitoring wells.

1630 START (Maggie Trabeau and Ken Brown) off site.
Boring logs.

Well	DTW	DTB	Gal. Pumped	DO (mg/L)	Spec Cond.	pH	ORP	Temp
15S	2.81	11.67	2	0.31	567.4	6.59	270	13.38
15D	2.89	28.91	4	0.24	2371	7.44	101	11.90
T101	5.16	7.73	3	4.69	308.2	7.81	224	14.44
T102	4.43	12.32						
GP-14	6.10	9.76	3	0.39	988.2	7.39	28	17.78
T103	4.14	5.94						
13	5.63	12.38	3	0.36	494.5	7.51	25	13.90
14D	2.26	30.48	3	0.38	440.4	7.61	28	12.12
14S	2.13	11.35	3	0.27	900.2	7.56		11.85
12B	6.37	127.00						
T104	5.63	9.56	2	0.31	882.2	7.35	122	12.07
T105	4.82	6.80	3	0.44	444.8	7.46	62	13.63
GP-12	4.87	24.70	2	0.38	754.2	7.49	-12	12.30
T106	-	-	3	2.48	781.0	7.38	205	12.54
GP-7	3.53	4.87	2	0.57	1706	7.30	48	16.32
GP-8	2.77	21.63	4	0.54	3320	7.20	32	14.21
GP-6	3.38	4.77	1	1.47	593.3	7.49	99	15.75
GP-5	3.42	4.19	3	0.40	554.7	7.41	77	18.82
GP-4	3.24	4.79	2	0.76	980.6	7.33	108	19.01

T107	1.85	5.58	3	0.21	421.8	7.60	34	18.10
GP-2	1.67	4.80	3	0.25	376.5	7.58	52	15.01
GP-15	6.90	24.58	3	0.17	688.0	7.57	-36	15.94

6/6/03

0745 START arrives on site. Everyone else on site. EQM dismantling machines, START continuing to sample monitoring wells.

0850 Purging MW-13. Tried to purge MW-T103 but well kept going dry.

1300 Noticed a fuel smell in the corner of the building by the propane shed. The odor was diesel-like and a stain was observed on the ground surface. Suggest collecting a sample.

1400 It began raining heavily, so we finished sampling MW-T106 and quit for the day.

1430 START off site.

6/9/03

0800 START on site. EQM already on site and working. EPA OSC arrived on site as well.

0900 Began sampling wells and geoprobe points that were not finished on Friday.

1530 Finished sampling wells and geoprobes.

1700 Collected 3 wipes samples from floor just recently cleaned (V4 Greenlee machine). All 3 samples were collected in the metal working area.

WP-404	Floor	1640
WP-405	Floor	1640
WP-405	Floor	1640

1830 START and everyone off site.

6/10/03

0630 Everyone on site. EQM continuing to dismantle machines. START and EPA will locate former floor wipe sample locations and delineate an area to be cleaned in the former parts storage area.

1100 Delineated area to be cleaned in parts storage and old die cast areas. Began moving stuff out of these areas.

1330 START off site.

6/11/03

0800 START on site. Everyone else already on site and working. EQM dismantling machines in metal working area and cleaning in parts storage area.

1000 EQM continuing to clean floors and dismantle machines.
1300 EQM dismantling machines and cleaning floor in parts storage area.

1830 Everyone off site.

6/12/03

0630 START, EQM, Jim Rumford on site. With the analytical results received last night, the sludge from the metal working area (consisting of metal chips, oil, and oil dry) will be removed from drums and put in a lined roll off box for disposal. The results showed no PCBs above method detection limits.

0900 Measure areas of floor cleaned by EQM.

Metal working area	150' x 92'
	70' x 320'
Parts storage area	120' x 55'
	61' x 93'
Old die cast area	130' x 155'

1430 START off site. Everyone else, including OSC, on site til 6:30 pm.

6/13/03

0730 START on site. Everyone else on site as well. EQM transferring drummed sludge to roll off box. Ken Rhame (EPA OSC) on site. He will sub in for Ken Theisen next week.

0900 EQM consolidated the PCB oil from the old die cast area tunnels and the small transformers into a 55-gallon drum. The drum is about ½ full of oil and is labeled. A PCB debris drum was generated with the visqueen, PPE, and oil dry, as well as debris from previous transformer sampling activities.

1100 Drained oil and coolant out of two machines into small Hydromation trench.

1200 Everyone off site.

6/16/03

1200 START and EQM on site. EPA OSC (Jim Mitchell) and Jim Rumford on site. This morning EQM continuing to decon floor in old die cast area and dismantle machine in metal working area.

1300 START acquired GPS data for the sample locations from which soil and water samples were collected last week. Will complete tomorrow. Will collect WGS 84 and NAD 83 coordinates.

1630 Requested TOX analysis of V4 Greenlee oil sample already analyzed.

1700 Collected two wipe samples from floor areas cleaned in former parts storage area.

WP-407	Floor	1700
WP-408	Floor	1700

1830 Everyone off site. GPS coordinates.

6/17/03

0630 EQM, Jim Rumford, START on site. EQM continuing to decon floor in old die cast area and dismantle machines in metal working area.

0900 Dismantle machines and cleaning floor in old die cast area.

1630 START off site. Everyone else still on site working. Loaded a flat bed trailer with machines. Jim Mitchell was OSC today.

6/18/03

0800 START on site. Everyone else on site and working. EPA OSC today is Ken Rhame. Ken Theisen is on response this week.

0900 START collected a composite sample of 8 grab samples from the 20 cyd roll off box in which the drums of sludge have been emptied. The sample sent to Great Lakes was submitted for flash point, pH, paint filter, TCLP metals, TCLP VOA, TCLP SVOA, TOX, Total phenyl, reactive cyanide, and reactive sulfide.

1130 START and EQM collected influent and effluent samples from the Springfield Belle to check discharge. The samples were submitted for analysis of PCBs, SVOCs, VOCs, metals, and O & G.

1300 Completed recording MW and geoprobe locations with GPS. Will go back and get northing and easting (NAD 83) later.

1500 EQM started working on baghouse in deburring area gaining access.

1830 Everyone off site.

6/19/03

0630 Everyone on site. EQM starting to decon final area of metal working area. Also, they are beginning to look at baghouse.

1000 EQM cleaning and removing oil from machines and debris from last portion of metal working area to be cleaned.

1300 EQM continuing to remove debris from metal working area.

1600	EQM removing tank from shall Hydromation pit. START off site. Everyone else still on site working.

6/20/03

0745	START on site. EQM and EPA (Ken Rhame) on site. EQM working on cleaning the last of the metal working floor and the baghouse in the deburring area.
1000	Need identify area on a map in the report that should be further looked at for EPA's future reference.
1400	Collected composite samples of baghouse dust from 3 fiber drums.
1445	Collected 2 wipe samples from main aisle to check for PCBs. All samples will go to Great Lakes.
1530	START off site to deliver samples to lab. EQM continuing work.

6/23/03

0800	START on site. EQM already on site and cleaning the floor in metal working area. They are also cleaning baghouse. EPA OSC not on site yet.
0815	EPA OSC Theisen on site.
0915	START collected GPS coordinates of all wells and geoprobe points on the site.
1030	EQM checked air quality of the baghouse before entering it as a confined space. Air quality checked OK.
1400	Collect oil sample and sample from Belle carbon for disposal analysis.
1530	START off site. EQM and EPA still on site.

6/25/03

0800	START on site. EQM and EPA already on site and working.
0900	Mark Vendl (USEPA) arrived on site with GPR to mark tank locations. EQM finishing up floor decon and cleaning out PCB tank trailer outside.
1130	Mark and START attempted to locate tank locations at the following spots: 3 FO tanks west of bldg. 1 gas tank west of bldg. 1 empty tank in old die cast area 3 tanks inside chip dock 5 tanks east of bldg in parking lot 1 tank east of bldg at southeast corner
1400	Collected sample from sludge being removed from tank trailer outside building.

Two guys are inside the trailer and it is hot today. There is more sludge in there than originally thought, so they are going slow.

1700 EQM sucking residual oil from various machines from throughout the plant.

1830 Everyone off site.

6/26/03

0630 Everyone on site.

0800 START collected 3 wipe samples from last area cleaned in metal working area.

WP-413	Floor	0800	PCB
WP-414	Floor	0810	PCB
WP-415	Floor	0815	PCB

0845 Collected a sample of the sludge being removed from the deburring pit. It will be analyzed for TCLP metals.

1100 EQM removing sludge from deburring pit and decontaminating the red tank trailer behind the bldg.

1500 START off site. Everyone still on site.

6/27/03

0745 START on site. Everyone else on site and working. EQM working removing steel and pipes from deburring pit. Also, they are dumping drums into lined hopper. EQM bringing in a mini-excavator to remove sludge from pit.

1000 City engineer and fire marshal arrive on site and talk with Jim Rumford and Ken Theisen.

1100 Linda Smith and Al ? Of EPA arrive on site. Ken Theisen is giving a tour of the plant.

1400 Joe Ertl on site to look over the die cast machines.

1600 EPA OSC off site.

1700 START off site. EQM working until 1730.

6/30/03

0800 START on site. EQM on site already working on deconning the frac tank and processing the last of the decon water. EQM finished removing sludge from deburring pit on Friday (6/27/03).

1030 START and Jim Rumford collected a sample from transformer #13.

1100	START and Jim Rumford also collected a sample from transformer #10. The transformer fluid did not seem like oil. Jim called GE and got and MSDS faxed over. The fluid is Freon 113. We did not send a sample to the lab.
1300	START and EPA OSC consolidated about 20 gallons of hydrochloric acid found in the new die cast area. It was then added to the water being processed by the Belle.
1700	OSC Theisen off site.
1830	Everyone off site.

7/1/03

0630	START on site. EQM on site and beginning work. Doing final decon of small Hydromation pit. Also emptying frac tank and deconning it. EQM beginning to get the Belle ready to be broken down. EPA OSC Theisen will not be here today.
0730	Joe Ertl on site to help remove 3 remaining die cast machines.
0900	2 representatives of EJ&E railroad here to meet with Joe Ertl and Jim Rumford about transporting the die cast machines by rail.
1500	A police officer from the Waukegan Police Department stopped by and Jim Rumford gave him keys and a gate opener.
1600	START and Jim Rumford cleaned one overhead door for the guys from CB&C Equipment. Will clean the other one tomorrow.
1830	Everyone off site.

7/2/03

0700	START on site. EQM already on site and working on deconning the Springfield Belle. The frac tank was deconned last night.
1000	EQM working on removing carbon and media from Belle. It is going into non-hazardous roll off boxes.
1100	EQM dumping drums of carbon and media into roll off boxes.
1400	Deconning overhead doors for CB&C Equipment guys.
1700	EQM sucking water from drums of carbon, then dump carbon into lined, roll off box.
1830	START off site. EQM still working on deconning the Belle.

7/3/03

0630	START and EQM on site. EQM finishing up decon and demobilization of Belle. It will leave the site today. Aldridge Electric is on site to install the electrical feed to the containment cells in the back.
0745	Tank truck has arrived to remove non-hazardous oil.
0900	Tanker truck has emptied the hydraulic tank in furnace pit and two poly tanks in new die cast tunnels.
1030	IEPA (Erin Rednour and Tammy?) And Kevin Adler (USEPA) on site and given tour of plant by EPA OSC and START.
1100	EPA OSC off site.
1130	EPA and IEPA off site.
1200	START off site. EQM demobing.

7/7/03

0800	START and Jim Rumford on site. EQM will be arriving around noon.
0820	START had to go to Plant #1 to get a box that had been delivered there by FedEx last week. These were the air pumps from Eagle Instruments.
0845	Set up air samples (4) throughout the west portion of the plant.
1200	Roll off box containing non hazardous sludge was picked up for disposal. One roll off left.
1400	Checked on EQM. They are removing and disposing of asbestos in north boiler room.
1745	Collected air samples.
1830	Everyone off site.

7/8/03

0630	START and EQM on site. START opened east gate for Ertl's workers in new die cast area. Jim Rumford will not be in today. Expecting to ship steel roll offs and flatbed today. Yesterday 1st sludge rolloff was shipped.
0900	EQM removing asbestos from locations on west side of plant. Also, they are wrapping tanks with visqueen for disposal.
1000	EQM cutting drums to scrap them.
1400	START and EPA OSC removed temporary wells and filled holes with

bentonite. All geoprobe borings have been properly abandoned.

1430 START off site. Everyone else on site and working.

7/9/03

0800 START on site. EPA and EQM already on site. Waiting for vac truck for transformer oil to arrive.

0900 Vac truck arrived and we are starting to pump fluid from transformer #9.

1100 Pumped the following transformers today: 9, 8, 5, 7, 6, 2, 7B, 8B, 14, 15, 17, 34

1800 Jim Rumford found out that the guard house and alarm system are fed by transformer #8 not #11 as originally thought. We will have to drain one of the other transformers, then refill #8 and power it up again.

1830 Everyone off site.

7/10/03

0645 Everyone on site. Discussions about how to refill transformer #8 are prevalent this morning. We have decided to drain fluid from a transformer on the new die cast roof into a stainless tub that we will clean out. The fluid will then be transported to #8 and pumped into it.

1000 Cleaned stainless steel tub. Began draining transformer fluid from transformer #23 to #8.

1300 Drained oil into #8. Need to get another tub full. EQM draining 3 units on die cast roof.

1500 #23 is drained dry. Moved tub to #8 to fill.

1530 START off site. Everyone else still on site.

7/11/03

0715 START on site. Everyone else already on site. Triax bldg is smoky. EQM had tossed a hot piece of steel barrel into the non-hazardous roll off box and it caught fire. The fire was extinguished quickly, but it was still smoky in the building.

0815 EQM packing up and doing final cleanup.

1400 Closed remaining overhead doors manually (not an easy job). Jim Rumford will stay with two guys from Arco until they finish loading machinery.

1630 EQM, EPA, and START off site.

APPENDIX C
WASTE MANIFESTS

(9 Pages)

STATE OF ILLINOIS

ENVIRONMENTAL PROTECTION AGENCY DIVISION OF LAND POLLUTION CONTROL

P.O. BOX 19276 SPRINGFIELD, ILLINOIS 62794-9276 (217) 782-6761

FOR SHIPMENT OF HAZARDOUS AND SPECIAL WASTE

State Form LPC 62 8/81 IL532-0610

PLEASE TYPE (Form designed for use on elite (12-pitch) typewriter.) EPA Form 8700-22 (Rev. 6-89) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. ILD000802827 Manifest Document No. 0001T

2. Page 1 of 1

Information in the shaded areas is not required by Federal law, but is required by Illinois law.

3. Generator's Name and Mailing Address Location If Different
US EPA/ Outboard Marine Corp.
90 Seahorse Dr
Waukeegan, IL 60085 312-617-3170

4. *24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS*

A. Illinois Manifest Document Number IL 10000327 FEE PAID IF APPLICABLE

B. Generator's IL ID Number

C. Transporter's ID Number

D. Transporter's Phone (800-995-9762

E. Transporter's ID Number

F. Transporter's Phone ( )

G. Facility's IL ID Number

H. Facility's Phone (800-995-9762

5. Transporter 1 Company Name: Clean Harbors Env, Services

6. US EPA ID Number: MAD039322250

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address
Clean Harbors (PPM)LLC
1672 E. Highland Rd
Twinsburg, OH 44087

10. US EPA ID Number: OHD986975399

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, Polychlorinated Biphenyls, Liquid, 9, UN2315, PGIII (Marine Pollutant)	001	TT	10909	K	EPA HW Number
b.					EPA HW Number
c.					EPA HW Number
d.					EPA HW Number

J. Additional Description for Materials Listed Above
A. PCB Oil For Incineration OVER 10,000 PPM PCB
ESTIMATE 3000 GALLONS
JOB# FT624642 Fleet# 515

K. Handling Codes for Wastes Listed Above In Item #14

15. Special Handling Instructions and Additional Information
24hr emergency responce# 800-645-8265 ERG#171
EQ PO # 5861

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; **OR,** if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: [illegible] Signature: [illegible] Date: Month 07 Day 10 Year 03

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: [illegible] Signature: [illegible] Date: Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name Signature Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.
Printed/Typed Name Signature Date: Month Day Year

GENERATOR

TRANSPORTER

FACILITY

In case of a spill call the Illinois Office of Emergency Response at 217/782-7860 and the National Response Center at 800/424-8802 or 202/426-2675.

This Agency is authorized to require, pursuant to Illinois Revised Statute, 1989, Chapter 111 1/2, Section 1004 and 1021, that this information be submitted to the Agency. Failure to provide this information may result in a civil penalty against the owner or operator not to exceed $25,000 per day of violation. Falsification of this information may result in a fine up to $50,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management Center.

COPY 5. GENERATOR MAIL TO IEPA
(RCRA HAZARDOUS AND PCB WASTES ONLY)

STATE OF ILLINOIS

ENVIRONMENTAL PROTECTION AGENCY DIVISION OF LAND POLLUTION CONTROL

P.O. BOX 19276 SPRINGFIELD, ILLINOIS 62794-9276 (217) 782-6761

State Form LPC 62 8/81 IL532-0610

FOR SHIPMENT OF HAZARDOUS AND SPECIAL WASTE

PLEASE TYPE (Form designed for use on elite (12-pitch) typewriter.) EPA Form 8700-22 (Rev. 6-89) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: ILD00802827 — Manifest Document No.: 0001T

2. Page 1 of 1

Information in the shaded areas is not required by Federal law, but is required by Illinois law.

3. Generator's Name and Mailing Address — Location If Different

US EPA/Outboard Marine Corp.
90 Seahorse Dr.
Waukegan, IL 60085 312-617-2170

4. *24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS

A. Illinois Manifest Document Number: IL 10000328 FEE PAID IF APPLICABLE

B. Generator's IL ID Number

C. Transporter's ID Number

D. Transporter's Phone (800-995-9762

E. Transporter's ID Number

F. Transporter's Phone ( )

G. Facility's IL ID Number

H. Facility's Phone (800-995-9762

5. Transporter 1 Company Name: Clean Harbors Env, Services — 6. US EPA ID Number: MAD039322250

7. Transporter 2 Company Name — 8. US EPA ID Number

9. Designated Facility Name and Site Address — 10. US EPA ID Number

Clean Harbors (PPM)LLC.
1672 E. Highland Rd
Twinsburg, OH 44087 — OHD986975399

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ,Polychlorinated Biphenyls,Liquid,9,UN2315,PGIII (Marine Pollutant)	001	TT	12727	K	EPA HW Number
b.					EPA HW Number
c.					EPA HW Number
d.					EPA HW Number

J. Additional Description for Materials Listed Above

A PCB Oil OVER > 10,000 PPM PCB
ESTIMATE 3500 GALLONS
JOB# FT 629642 Fleet# 507

K. Handling Codes for Wastes Listed Above In Item #14

15. Special Handling Instructions and Additional Information

EQ PO # 5861

24hr emergency responce# 800-645-8265

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; **OR,** if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Date (Month Day Year)
Kenneth M Thiesen	[signature]	07 09 03

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)
Harold W. Potts, Jr	[signature]	07 09 03

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name	Signature	Date (Month Day Year)

GENERATOR — TRANSPORTER — FACILITY

This Agency is authorized to require, pursuant to Illinois Revised Statute, 1989, Chapter 111 1/2, Section 1004 and 1021, that this information be submitted to the Agency. Failure to provide this information may result in a civil penalty against the owner or operator not to exceed $25,000 per day of violation. Falsification of this information may result in a fine up to $50,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management Center.

COPY 5. GENERATOR MAIL TO IEPA
(RCRA HAZARDOUS AND PCB WASTES ONLY)

In case of a spill call the Illinois Office of Emergency Response at 217/782-7860 and the National Response Center at 800/424-8802 or 202/426-2675.

STATE OF ILLINOIS

ENVIRONMENTAL PROTECTION AGENCY DIVISION OF LAND POLLUTION CONTROL

P.O. BOX 19276 SPRINGFIELD, ILLINOIS 62794-9276 (217) 782-6761

State Form LPC 62 8/81 IL532-0610

FOR SHIPMENT OF HAZARDOUS AND SPECIAL WASTE

PLEASE TYPE (Form designed for use on elite (12-pitch) typewriter.) **EPA Form 8700-22 (Rev. 6-89)** Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No.

2. Page 1 of

Information in the shaded areas is not required by Federal law, but is required by Illinois law.

3. Generator's Name and Mailing Address

Location If Different

US Environmental Protection Agency
[illegible] Scanlon Drive
[illegible]

SAME

A. Illinois Manifest Document Number IL1070[illegible]612 FEE PAID IF APPLICABLE

B. Generator's IL ID Number

4. 24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS* (800) [illegible]

5. Transporter 1 Company Name

6. US EPA ID Number

C. Transporter's ID Number

D. Transporter's Phone ( )

7. Transporter 2 Company Name

8. US EPA ID Number

E. Transporter's ID Number

F. Transporter's Phone ( )

9. Designated Facility Name and Site Address

Clean Harbors PPM LLC
1672 East Highland Road
Twinsburg, OH 44087

10. US EPA ID Number

G. Facility's IL ID Number 9 3 9 0 0 1 9 9 9 9

H. Facility's Phone ( )

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ POLYCHLORINATED BIPHENYLS , 9 , UN2315 , PG II (PCB S)	[illegible]	[illegible]	[illegible]	G	EPA HW Number
b. RQ POLYCHLORINATED BIPHENYLS, SOLID , 9 , UN2315 , PG II (PCB S)	004	[illegible]	[illegible]	P	EPA HW Number
c. RQ POLYCHLORINATED BIPHENYLS, LIQUID , 9 , UN2315 , PG II (PCB S)	[illegible]	[illegible]	[illegible]	G	EPA HW Number
d.					EPA HW Number

J. Additional Description for Materials Listed Above

11a. ERG#171 (SL) 11c. ERG#171 (SL)

11b. ERG#171 (S)

K. Handling Codes for Wastes Listed Above In Item #14

15. Special Handling Instructions and Additional Information

24 HOUR EMERGENCY # (800) [illegible]

11a. CH41080 11b. CH41080 11c. CH41075

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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GENERATOR

Printed /Typed Name: Kenneth M Thelen

Signature: [illegible]

Date: Month [illegible] Day [illegible] Year [illegible]

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed /Typed Name: KELLY CALLAS

Signature: Kelly Callas

Date: Month [illegible] Day [illegible] Year [illegible]

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed /Typed Name

Signature

Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed /Typed Name

Signature

Date: Month Day Year

This Agency is authorized to require, pursuant to Illinois Revised Statute, 1989, Chapter 111 1/2, Section 1004 and 1021, that this information be submitted to the Agency. Failure to provide this information may result in a civil penalty against the owner or operator not to exceed $25,000 per day of violation. Falsification of this information may result in a fine up to $50,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management Center.

COPY 5. GENERATOR MAIL TO IEPA (RCRA HAZARDOUS AND PCB WASTES ONLY)

In case of a spill call the Illinois Office of Emergency Response at 217/782-7860 and the National Response Center at 800/424-8802.

STATE OF ILLINOIS

ENVIRONMENTAL PROTECTION AGENCY DIVISION OF LAND POLLUTION CONTROL

P.O. BOX 19276 SPRINGFIELD, ILLINOIS 62794-9276 (217) 782-6761

State Form LPC 62 8/81 IL532-0610

FOR SHIPMENT OF HAZARDOUS AND SPECIAL WASTE

PLEASE TYPE (Form designed for use on elite (12-pitch) typewriter.)

EPA Form 8700-22 (Rev. 6-89)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. [illegible]

Manifest Document No. [illegible]

2. Page 1 of

Information in the shaded areas is not required by Federal law, but is required by Illinois law.

3. Generator's Name and Mailing Address / Location If Different

[illegible] Environmental Protection Agency
[illegible] Southness Drive
[illegible] Maywood, IL 60153 Maywood

A. Illinois Manifest Document Number: IL10700611 FEE PAID IF APPLICABLE

B. Generator's IL ID Number

4. *24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS* (800) 645-8265

C. Transporter's ID Number

5. Transporter 1 Company Name: Clean Harbors Env Services Inc

6. US EPA ID Number: [illegible]

D. Transporter's Phone ( )

7. Transporter 2 Company Name

8. US EPA ID Number

E. Transporter's ID Number

9. Designated Facility Name and Site Address: Spring Grove Resource Recovery, 1879 Spring Grove Avenue, Cincinnati, OH 45214

10. US EPA ID Number: [illegible]

F. Transporter's Phone ( )

G. Facility's IL ID Number [illegible]

H. Facility's Phone ( )

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. MERCURY CONTAINED IN MANUFACTURED ARTICLES (UNIVERSAL WASTE MERCURY SWITCHES), 8, UN2809, PG III	001	DF	000005	G	EPA HW Number
b.					EPA HW Number
c.					EPA HW Number
d.					EPA HW Number

J. Additional Description for Materials Listed Above: 11a ERG#172(SL)

K. Handling Codes for Wastes Listed Above In Item #14

15. Special Handling Instructions and Additional Information: 24 HOUR EMERGENCY # (800) 645-8265; 11a CHANGE

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; **OR,** if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed /Typed Name: Kenneth M Theisen — Signature: [signature] — Date (Month Day Year): [illegible]

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed /Typed Name: Kevin Carr — Signature: [signature] — Date (Month Day Year): 07 09 90

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed /Typed Name — Signature — Date (Month Day Year)

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed /Typed Name — Signature — Date (Month Day Year)

This Agency is authorized to require, pursuant to Illinois Revised Statute, 1989, Chapter 111 1/2, Section 1004 and 1021, that this information be submitted to the Agency. Failure to provide this information may result in a civil penalty against the owner or operator not to exceed $25,000 per day of violation. Falsification of this information may result in a fine up to $50,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management Center.

COPY 5. GENERATOR MAIL TO IEPA (RCRA HAZARDOUS AND PCB WASTES ONLY)

In case of a spill call the Illinois Office of Emergency Response at 217/782-7860 and the National Response Center at 800/424-8802 or 202/267-2675.

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1
ILD000802827	94470	

Generator's Name and Mailing Address
USEPA / OUTBOUND MARINE CORP.
90 SEAHORSE DRIVE
WAUKEGAN, IL 60089

4. Generator's Phone ( )

5. Transporter 1 Company Name	6. US EPA ID Number	A. Transporter's Phone
Pollution Control Industries	IND000646942	(219)397-3951
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone
9. Designated Facility Name and Site Address	10. US EPA ID Number	C. Facility's Phone
Pollution Control Industries 4949 Kennedy Ave East Chicago, IN 46312	IND000646942	(219)397-3951

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. NON HAZARDOUS, NON R.C.R.A. REGULATED	001	TT	04000	GAL.
b.				
c.				
d.				

GENERATOR

. Additional Descriptions for Materials Listed Above
11A WS#258131 HYDRAULIC OIL

E. Handling Codes for Wastes Listed Above
802

15. Special Handling Instructions and Additional Information

V218

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
CHAD M. OLSON	[signature]	07	03	03

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Kenneth M Thoisen	[signature]	07	03	03

TRANSPORTER # 2

POLLUTION CON _ INDUSTRIES, INC.

LAND DISPOSAL RESTRICTION NOTIFICATION FORM 1

Generator Name/Location USEPA/Outbound Marine Corp. 90 Seahorse Drive, Waukegan IL. 60085

EPA ID Number CESQG Manifest Number 94476

Waste Analysis Available: _____ Yes _____ No ✓ On file at facility

PROFILE #	RCRA NON-REGULATED Please check if waste stream is not regulated by RCRA	RCRA WASTE CODES (List all that apply)	SUBCATEGORY (See Table II and Select Key # if applicable)	TREATABILITY GROUP Please check the applicable treatability group		REGULATED CONSTITUENTS FOR F001, F002, F003, F004, F005	UNDERLYING HAZARDOUS CONSTITUENTS FOR D001*, D002, D003* D004-D043
				Non-wastewater >1% TOC & > 1% TSS	Wastewater	List all applicable constituents from key below	List all applicable constituents from Table 1
a	b	c	D	e	f	g	h
258131	✓						

REGULATED CONSTITUENTS FOR F001, F002, F003, F004, F005, (for Column g)

5) Acetone
6) Benzene
7) N-Butyl Alcohol
8) Carbon Disulfide
9) Carbon Tetrachloride
10) Chlorobenzene
11) Cresols (o, m, or p isomers)
12) Cresylic Acid
13) Cyclohexanone
14: 1,2-Dichlorobenzene
15) Ethyl Acetate
16) Ethyl Benzene
17) Ethyl Ether
18) Isobutanol (Isobutyl alcohol)
19) Methanol
20) Methylene Chloride
21) Methyl Ethyl Ketone
22) Methyl Isobutyl Ketone
23) Nitrobenzene
24) Pyridine
25) Tetrachloroethylene
26) Toluene
27) 1,1,1 Trichloroethane
28) 1,1,2 Trichloroethane
29) 1,1,2 Trichloro 1,2,2 Trifluoroethane
30) Trichloroethylene
31) Trichlorofluoromethane
32) Xylene (Total)

I certify under penalty of law that the above information is accurate and true.

Signature Kenneth M Thewes Print Name Kenneth M Thewes Date 7-3-03

WASTE SHIPMENT RECORD/ASBESTOS MANIFEST

(See Reverse for Instructions)

For Disposal Site Use Only
Elevation _____
North _____ East _____

Generator

1-A. Special Waste Profile Number: ASD 306181	NESHAP Notified: ___ YES ___ NO	WSR Number: 925
1-B. Generator Name, Contact Name, and Complete Mailing Address (including Zip Code): USEPA / Region 5, Kra Theisen, 77 W. Jackson Blvd SE-5J, Chicago, IL 60604		1-C. Generator's Phone Number: 312-886-1959
1-D. Work Site Address: Outboard Marine Corp, 90 Sea horse Dr, Waukegan, IL 60085		1-E. 24 Hour Emergency Response Telephone Number: 312-353-2318
2. Operator's Name and Complete Mailing Address: Environmental Quality Mgmt, 1800 Carillon Blvd, Cincinnati, OH 45240		Operator's Phone Number: 513-825-7500
3. Waste Disposal Site (WDS) Name and Complete Mailing Address: Mallard Ridge Recycling and Disposal Facility, W8470 Hwy. 11, Delavan, WI 53115		WDS Phone Number: (262) 724-3257

4. Name and Address of Responsible Agency

- [x] Illinois Environmental Protection Agency, 220 Churchill Road, Springfield, IL 62794-9276
- [ ] South Central Region, Department of Natural Resources, 5911 Fish Hatchery Road, Fitchburg, WI 53711
- [ ] Southeast District, Wisconsin Department of Natural Resources, 2300 N. Dr. Martin Luther King Jr., Milwaukee, WI 53212

5. Description of Materials		6. Containers No.	Type	7. Total Quantity yd3
friable asbestos	Asbestos, 9, NA2212, III, RQ	1	CM	23
non-friable asbestos	Cat I ___ Cat II ___			

8. Special Handling Instructions and Additional Information
24 HOUR NOTICE GIVEN PRIOR TO DISPOSAL. MUST BE BURIED

9. GENERATOR/OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. I hereby certify that the asbestos is not contaminated with hazardous, PCB, and/or any special waste.

Printed/Typed Name and Title	Signature	Date
Kenneth M Theisen OSC	Kenneth M Theisen	7-16-03

Transporter

10. Transporter 1 Company Name: Traditional Services, INC., 2326 Wadworth Road, Waukegan, IL 60085	Driver Signature
	Printed Name and Title
	Date
11. Transporter 2 Company Name	Driver Signature
Complete Mailing Address	
Telephone Number (including area code)	Printed Name and Title
	Date

Disposal Site

12. Discrepancy Indication Space

13. Waste Disposal Site Owner or Operator
Special Waste Approval is issued by signature in the case of a Generic Asbestos Approval.
Certification of receipt of asbestos materials covered by this manifest except as noted in Item 12

Printed/Typed Name and Title	Signature	Date
Barb Becker/Gate Attendant	Barb Becker	7-23-03

WHITE - Disposal Site | CANARY - Generator (To be mailed by Disposal Site) | PINK - Transporter | GOLD - Generator (To be taken prior to disposal)

STATE OF ILLINOIS ENVIRONMENTAL PROTECTION AGENCY DIVISION OF LAND POLLUTION CONTROL

P.O. BOX 19276 , SPRINGFIELD, ILLINOIS 62704-9276 (217) 782-6761

State Form LPC 62 8/81 IL532-0610

FOR SHIPMENT OF HAZARDOUS AND SPECIAL WASTE

PLEASE TYPE (Form designed for use on elite (12 pitch) typewriter.) EPA Form 8700-22 (Rev. 6-89) Form Approved. OMB No. 2050-0039. Expires

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. ILD 000 802 827 | Manifest Document No. 44031 | 2. Page 1 of 1 | Information in the shaded areas required by Federal law, but is not by Illinois law.

3. Generator's Name and Mailing Address: USEPA, 77 W Jackson Blvd SE-J5, Chicago, IL 60604 | Location if Different: Ogilvie Marine Corp, 99 Seahorse Dr, Waukegan, IL 60085

4. 24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS: 312-353-2318

5. Transporter 1 Company Name | 6. US EPA ID Number

7. Transporter 2 Company Name | 8. US EPA ID Number

9. Designated Facility Name and Site Address: Clean Harbor INC, 11800 S. Stoney Island Ave, Chicago, IL 60617 | 10. US EPA ID Number: ILD 000608471

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Waste Hydrogen Sulfide, 2.3, UN1053	0.01	DF	35	G
b. Universal Waste (Mercury Switches)	0.01	DF	5	G
c.				
d.				

15. Special Handling Instructions and Additional Information

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
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Printed/Typed Name	Signature	Month
Kenneth M Chasen	[illegible]	0 7

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month
[illegible]	[illegible]	0 7

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name	Signature	Month

This Agency is authorized to require, pursuant to Illinois Revised Statute, 1989, Chapter 111 1/2, Section 1004 and 1021, that this information be submitted to the Agency. Failure to provide this information may result in a civil penalty against the owner or operator not to exceed $25,000 per day of violation. Falsification of this information may result in a fine up to $50,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management Center.

COPY 6. GENERATOR'S COPY

STATE OF ILLINOIS

PLEASE TYPE

EPA Form 8700-22 (Rev. 6-89)

UNIFORM HAZARDOUS WASTE MANIFEST

Generator's US EPA ID No.: ILD 000 802 827 | Manifest Document No.: 43351 | Page 1 of 1

3. Generator's Name and Mailing Address: USEPA, 77 W. Jackson Blvd SE-55, Chicago, IL 60604

Location if Different: Outboard Marine Corp, 90 Spaghorse Dr, Waukegan, IL 60085

4. 24 HOUR EMERGENCY AND FREE ASSISTANCE NUMBER: 312-355-2318

5. Transporter's Company Name: Clean Harbors Environmental Services, Inc. | US EPA ID Number: MAD 037 222 350

6. Transporter's Company Name: | US EPA ID Number:

7. Designated Facility Name and Site Address: Clean Harbors, Inc, 18800 S. Stoney Island Ave, Chicago, IL 60617 | US EPA ID Number: ILD 000 608 471

A. Illinois Manifest Document Number: IL 4842031 | Fee Paid, If Applicable

B. Illinois Generator's ID:

C. Illinois Transporter's ID: [illegible]

D. Transporter's Phone: [illegible]

E. Illinois Transporter's ID:

F. Transporter's Phone:

G. Illinois Facility's ID: 031 600 005

H. Facility's Phone: 073-646-6202

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	Waste No.
a. Waste Hydrogen Sulfide, 2, 3, UN1053, TOX-2 Inhalation Hazard Zone B	001	DF	30	G	EPA HW Number: XX D001; Authorization Number: D003
b. Universal Waste (mercury switches) mercury contained in manufactured articles, 9, UN2809, PG III	001	DF	5	G	EPA HW Number: XX None; Authorization Number:
c.					EPA HW Number: XX; Authorization Number:
d.					EPA HW Number: XX; Authorization Number:

J. Additional Descriptions for Materials Listed Above: Lab A - CH 41073; Lab B - CH 41059

K. Handling Codes for Wastes Listed Above in Item # 14: G = Gallons Y = Cubic Yards

CR	X
FS	X
OFFC	

15. Special Handling Instructions and Additional Information: WO D7624882

16. GENERATOR'S CERTIFICATION: [illegible]

Printed/Typed Name: Kenneth M Theisen | Signature: Kenneth M Theisen | Date: Month Day Year 07 16 03

17. Transporter's Acknowledgement of Receipt of Materials: Printed/Typed Name: Gary L Cesar | Signature: Gary L Cesar | Date: Month Day Year 07 18 03

18. Transporter's Acknowledgement of Receipt of Materials: Printed/Typed Name: | Signature: | Date: Month Day Year

19. Discrepancy Indication Space: P-[illegible]

20. Facility Owner or Operator: Printed/Typed Name: [illegible] | Signature: [illegible] | Date: Month Day Year 07 25 03

[illegible]

APPENDIX D
VALIDATED ANALYTICAL RESULTS

(23 Reports)

SIMALABS

INTERNATIONAL

April 03, 2003

Jackie Doan
Environmental Quality Management, Inc.
1800 Carillon Boulevard
Cincinnati, OH 45240

RE: OMC - Waukegan

Work Order No.: ME0303587

Dear Jackie Doan:

SIMALABS International received 23 samples on 3/26/2003 for the analyses presented in the following report.

The enclosed results were obtained from and are applicable to the sample(s) as received at the laboratory. All sample results are reported on an "as received" basis unless otherwise noted. This report includes the numbered pages as well as the Cooler Inspection Report and original Chain of Custody form(s).

SIMALABS International of Merrillville, Indiana is an accredited laboratory under the requirements of the National Environmental Laboratory Accreditation Program (IL EPA lab #100435). All data included has been reviewed for and meets all project specific and Quality Control requirements of this accreditation, unless otherwise noted. This report shall not be reproduced except in full, without the written approval of SIMALABS International.

We appreciate the opportunity to service your analytical needs. If you have any questions, please feel free to contact us.

Sincerely,
SIMALABS International

Ronald J. Misiunas
Client Services Manager

Enclosures

250 West 84th Drive, Merrillville, IN 46410 TEL 800 536 8379 TEL 219 769 8378 FAX 219 769 1664

SIMALABS

INTERNATIONAL

SIMALABS International

Date: *03-Apr-03*

CLIENT: Environmental Quality Management, Inc.
Project: OMC - Waukegan
Lab Order: ME0303587

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
ME0303587-01A	30		3/26/2003 9:40:00 AM	3/26/2003
ME0303587-02A	31		3/26/2003 9:45:00 AM	3/26/2003
ME0303587-03A	32		3/26/2003 9:50:00 AM	3/26/2003
ME0303587-04A	34		3/26/2003 11:00:00 AM	3/26/2003
ME0303587-05A	23		3/26/2003 10:20:00 AM	3/26/2003
ME0303587-06A	26		3/26/2003 10:05:00 AM	3/26/2003
ME0303587-07A	27		3/26/2003 10:00:00 AM	3/26/2003
ME0303587-08A	28		3/26/2003 10:08:00 AM	3/26/2003
ME0303587-09A	20		3/26/2003 10:36:00 AM	3/26/2003
ME0303587-10A	19		3/26/2003 10:30:00 AM	3/26/2003
ME0303587-11A	18		3/26/2003 10:25:00 AM	3/26/2003
ME0303587-12A	17		3/26/2003 10:41:00 AM	3/26/2003
ME0303587-13A	16		3/26/2003 10:47:00 AM	3/26/2003
ME0303587-14A	15		3/26/2003 10:44:00 AM	3/26/2003
ME0303587-15A	2		3/26/2003 2:30:00 PM	3/26/2003
ME0303587-16A	6		3/26/2003 1:30:00 PM	3/26/2003
ME0303587-17A	5		3/26/2003 1:50:00 PM	3/26/2003
ME0303587-18A	7		3/26/2003 1:41:00 PM	3/26/2003
ME0303587-19A	11		3/26/2003 1:40:00 PM	3/26/2003
ME0303587-20A	8B		3/26/2003 11:20:00 AM	3/26/2003
ME0303587-21A	7B		3/26/2003 11:30:00 AM	3/26/2003
ME0303587-22A	8		3/26/2003 2:05:00 PM	3/26/2003
ME0303587-23A	9		3/26/2003 2:00:00 PM	3/26/2003

250 West 84th Drive, Merrillville, IN 46410 TEL.800 536 8379 TEL.219 769 8378 FAX 219 769 1664

SIMALABS
INTERNATIONAL

ANALYTICAL RESULTS

Date: *Thursday, April 03, 2003*

Client:	Environmental Quality Management, Inc.	***Client Project:***	OMC - Waukegan
		Work Order:	ME0303587
Client Sample ID:	30	***SIMALABS ID:***	ME0303587-01A
Sample Description:			
Sample Matrix:	Oil		
Collection Date:	03/26/03		
Date Received:	03/26/03		

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date / Time Analyzed
PCBS IN OIL	Method: **SW8082**		Prep Date/Time: **4/1/2003 7:00:00 AM**			Analyst: **AS**	
Aroclor 1016	A	*ND*	10000		mg/kg	10,000	4/2/2003 11:51:00 AM
Aroclor 1221	A	*ND*	10000		mg/kg	10,000	4/2/2003 11:51:00 AM
Aroclor 1232	A	*ND*	10000		mg/kg	10,000	4/2/2003 11:51:00 AM
Aroclor 1242	A	*34000*	10000		mg/kg	10,000	4/2/2003 11:51:00 AM
Aroclor 1248	A	*ND*	10000		mg/kg	10,000	4/2/2003 11:51:00 AM
Aroclor 1254	A	*ND*	10000		mg/kg	10,000	4/2/2003 11:51:00 AM
Aroclor 1260	A	*ND*	10000		mg/kg	10,000	4/2/2003 11:51:00 AM
Aroclor 1262	A	*ND*	10000		mg/kg	10,000	4/2/2003 11:51:00 AM
Aroclor 1268	A	*ND*	10000		mg/kg	10,000	4/2/2003 11:51:00 AM
Total PCB's	A	*34000*	10000		mg/kg	10,000	4/2/2003 11:51:00 AM
Surr: Decachlorobiphenyl	S	0	19.8-152	S	%REC	10,000	4/2/2003 11:51:00 AM
Surr: Tetrachloro-m-xylene	S	0	5-163	S	%REC	10,000	4/2/2003 11:51:00 AM

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
T - Tentatively Identified Compound (TIC,concentration estimated)

DF - Dilution Factor

Qual: ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank
* - Exceeds Maximum Contaminant Level

S - Spike recovery outside recovery limits
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range

I -Matrix Interference

H - Analyte was prepared and/or analyzed outside of the analytical method holding time

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SIMALABS
INTERNATIONAL

ANALYTICAL RESULTS

Date: *Thursday, April 03, 2003*

Client:	Environmental Quality Management, Inc.	***Client Project:***	OMC - Waukegan
		Work Order:	ME0303587
Client Sample ID:	31	***SIMALABS ID:***	ME0303587-02A
Sample Description:			
Sample Matrix:	Oil		
Collection Date:	03/26/03		
Date Received:	03/26/03		

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date / Time Analyzed
PCBS IN OIL	Method: SW8082		Prep Date/Time: 4/1/2003 7:00:00 AM			Analyst: AS	
Aroclor 1016	A	ND	9900		mg/kg	10,000	4/2/2003 12:22:00 PM
Aroclor 1221	A	ND	9900		mg/kg	10,000	4/2/2003 12:22:00 PM
Aroclor 1232	A	ND	9900		mg/kg	10,000	4/2/2003 12:22:00 PM
Aroclor 1242	A	38000	9900		mg/kg	10,000	4/2/2003 12:22:00 PM
Aroclor 1248	A	ND	9900		mg/kg	10,000	4/2/2003 12:22:00 PM
Aroclor 1254	A	ND	9900		mg/kg	10,000	4/2/2003 12:22:00 PM
Aroclor 1260	A	ND	9900		mg/kg	10,000	4/2/2003 12:22:00 PM
Aroclor 1262	A	ND	9900		mg/kg	10,000	4/2/2003 12:22:00 PM
Aroclor 1268	A	ND	9900		mg/kg	10,000	4/2/2003 12:22:00 PM
Total PCB's	A	38000	9900		mg/kg	10,000	4/2/2003 12:22:00 PM
Surr: Decachlorobiphenyl	S	0	19.8-152	S	%REC	10,000	4/2/2003 12:22:00 PM
Surr: Tetrachloro-m-xylene	S	0	5-163	S	%REC	10,000	4/2/2003 12:22:00 PM

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
T - Tentatively Identified Compound (TIC,concentration estimated)
DF - Dilution Factor

Qual: ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank
* - Exceeds Maximum Contaminant Level
S - Spike recovery outside recovery limits
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range
I -Matrix Interference

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SIMALABS
INTERNATIONAL

ANALYTICAL RESULTS

Date: *Thursday, April 03, 2003*

Client:	Environmental Quality Management, Inc.	***Client Project:***	OMC - Waukegan
		Work Order:	ME0303587
Client Sample ID:	32	***SIMALABS ID:***	ME0303587-03A
Sample Description:			
Sample Matrix:	Oil		
Collection Date:	03/26/03		
Date Received:	03/26/03		

PCBS IN OIL Method: **SW8082** Prep Date/Time: **4/1/2003 7:00:00 AM** Analyst: **AS**

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date / Time Analyzed
Aroclor 1016	A	ND	9700		mg/kg	10,000	4/2/2003 12:53:00 PM
Aroclor 1221	A	ND	9700		mg/kg	10,000	4/2/2003 12:53:00 PM
Aroclor 1232	A	ND	9700		mg/kg	10,000	4/2/2003 12:53:00 PM
Aroclor 1242	A	25000	9700		mg/kg	10,000	4/2/2003 12:53:00 PM
Aroclor 1248	A	ND	9700		mg/kg	10,000	4/2/2003 12:53:00 PM
Aroclor 1254	A	ND	9700		mg/kg	10,000	4/2/2003 12:53:00 PM
Aroclor 1260	A	ND	9700		mg/kg	10,000	4/2/2003 12:53:00 PM
Aroclor 1262	A	ND	9700		mg/kg	10,000	4/2/2003 12:53:00 PM
Aroclor 1268	A	ND	9700		mg/kg	10,000	4/2/2003 12:53:00 PM
Total PCB's	A	25000	9700		mg/kg	10,000	4/2/2003 12:53:00 PM
Surr: Decachlorobiphenyl	S	0	19.8-152	S	%REC	10,000	4/2/2003 12:53:00 PM
Surr: Tetrachloro-m-xylene	S	0	5-163	S	%REC	10,000	4/2/2003 12:53:00 PM

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
T - Tentatively Identified Compound (TIC,concentration estimated)
DF - Dilution Factor

Qual: ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank
* - Exceeds Maximum Contaminant Level
S - Spike recovery outside recovery limits
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range
I -Matrix Interference

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SIMALABS
INTERNATIONAL

ANALYTICAL RESULTS

Date: *Thursday, April 03, 2003*

Client:	Environmental Quality Management, Inc.	***Client Project:***	OMC - Waukegan
		Work Order:	ME0303587
Client Sample ID:	34	***SIMALABS ID:***	ME0303587-04A
Sample Description:			
Sample Matrix:	Oil		
Collection Date:	03/26/03		
Date Received:	03/26/03		

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date / Time Analyzed
PCBS IN OIL	Method: **SW8082**		Prep Date/Time: **4/1/2003 7:00:00 AM**			Analyst: **AS**	
Aroclor 1221	A	***ND***	10000		mg/kg	10,000	4/2/2003 1:47:00 PM
Aroclor 1232	A	***ND***	10000		mg/kg	10,000	4/2/2003 1:47:00 PM
Aroclor 1242	A	***ND***	10000		mg/kg	10,000	4/2/2003 1:47:00 PM
Aroclor 1248	A	***35000***	10000		mg/kg	10,000	4/2/2003 1:47:00 PM
Aroclor 1254	A	***ND***	10000		mg/kg	10,000	4/2/2003 1:47:00 PM
Aroclor 1260	A	***ND***	10000		mg/kg	10,000	4/2/2003 1:47:00 PM
Aroclor 1262	A	***ND***	10000		mg/kg	10,000	4/2/2003 1:47:00 PM
Aroclor 1268	A	***ND***	10000		mg/kg	10,000	4/2/2003 1:47:00 PM
Total PCB's	A	***35000***	10000		mg/kg	10,000	4/2/2003 1:47:00 PM
Surr: Decachlorobiphenyl	S	0	19.8-152	S	%REC	10,000	4/2/2003 1:47:00 PM
Surr: Tetrachloro-m-xylene	S	0	5-163	S	%REC	10,000	4/2/2003 1:47:00 PM

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
T - Tentatively Identified Compound (TIC,concentration estimated)

DF - Dilution Factor

Qual: ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank
* - Exceeds Maximum Contaminant Level

S - Spike recovery outside recovery limits
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range

I -Matrix Interference

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SIMALABS
INTERNATIONAL

ANALYTICAL RESULTS

Date: *Thursday, April 03, 2003*

Client:	Environmental Quality Management, Inc.	***Client Project:***	OMC - Waukegan
		Work Order:	ME0303587
Client Sample ID:	23	***SIMALABS ID:***	ME0303587-05A
Sample Description:			
Sample Matrix:	Oil		
Collection Date:	03/26/03		
Date Received:	03/26/03		

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date / Time Analyzed
PCBS IN OIL	Method: **SW8082**		Prep Date/Time: **4/1/2003 7:00:00 AM**			Analyst: **AS**	
Aroclor 1016	A	*ND*	9600		mg/kg	10,000	4/2/2003 2:18:00 PM
Aroclor 1221	A	*ND*	9600		mg/kg	10,000	4/2/2003 2:18:00 PM
Aroclor 1232	A	*ND*	9600		mg/kg	10,000	4/2/2003 2:18:00 PM
Aroclor 1242	A	*48000*	9600		mg/kg	10,000	4/2/2003 2:18:00 PM
Aroclor 1248	A	*ND*	9600		mg/kg	10,000	4/2/2003 2:18:00 PM
Aroclor 1254	A	*ND*	9600		mg/kg	10,000	4/2/2003 2:18:00 PM
Aroclor 1260	A	*ND*	9600		mg/kg	10,000	4/2/2003 2:18:00 PM
Aroclor 1262	A	*ND*	9600		mg/kg	10,000	4/2/2003 2:18:00 PM
Aroclor 1268	A	*ND*	9600		mg/kg	10,000	4/2/2003 2:18:00 PM
Total PCB's	A	*48000*	9600		mg/kg	10,000	4/2/2003 2:18:00 PM
Surr: Decachlorobiphenyl	S	0	19.8-152	S	%REC	10,000	4/2/2003 2:18:00 PM
Surr: Tetrachloro-m-xylene	S	0	5-163	S	%REC	10,000	4/2/2003 2:18:00 PM

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
T - Tentatively Identified Compound (TIC,concentration estimated)
DF - Dilution Factor

Qual: *ND - Not Detected at the Reporting Limit*
B - Detected in the associated Method Blank
* - Exceeds Maximum Contaminant Level
S - Spike recovery outside recovery limits
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range
I -Matrix Interference

H - Analyte was prepared and/or analyzed outside of the analytical method holding time

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SIMALABS
INTERNATIONAL

ANALYTICAL RESULTS

Date: *Thursday, April 03, 2003*

Client:	Environmental Quality Management, Inc.	***Client Project:***	OMC - Waukegan
		Work Order:	ME0303587
Client Sample ID:	26	***SIMALABS ID:***	ME0303587-06A
Sample Description:			
Sample Matrix:	Oil		
Collection Date:	03/26/03		
Date Received:	03/26/03		

PCBS IN OIL Method: **SW8082** Prep Date/Time: **4/1/2003 7:00:00 AM** Analyst: **AS**

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date / Time Analyzed
Aroclor 1016	A	***ND***	9800		mg/kg	10,000	4/2/2003 2:49:00 PM
Aroclor 1221	A	***ND***	9800		mg/kg	10,000	4/2/2003 2:49:00 PM
Aroclor 1232	A	***ND***	9800		mg/kg	10,000	4/2/2003 2:49:00 PM
Aroclor 1242	A	***27000***	9800		mg/kg	10,000	4/2/2003 2:49:00 PM
Aroclor 1248	A	***ND***	9800		mg/kg	10,000	4/2/2003 2:49:00 PM
Aroclor 1254	A	***ND***	9800		mg/kg	10,000	4/2/2003 2:49:00 PM
Aroclor 1260	A	***ND***	9800		mg/kg	10,000	4/2/2003 2:49:00 PM
Aroclor 1262	A	***ND***	9800		mg/kg	10,000	4/2/2003 2:49:00 PM
Aroclor 1268	A	***ND***	9800		mg/kg	10,000	4/2/2003 2:49:00 PM
Total PCB's	A	***27000***	9800		mg/kg	10,000	4/2/2003 2:49:00 PM
Surr: Decachlorobiphenyl	S	0	19.8-152	S	%REC	10,000	4/2/2003 2:49:00 PM
Surr: Tetrachloro-m-xylene	S	0	5-163	S	%REC	10,000	4/2/2003 2:49:00 PM

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
T - Tentatively Identified Compound (TIC,concentration estimated)

DF - Dilution Factor

Qual: ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank
* - Exceeds Maximum Contaminant Level

S - Spike recovery outside recovery limits
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range

I -Matrix Interference

H - Analyte was prepared and/or analyzed outside of the analytical method holding time

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SIMALABS
INTERNATIONAL

ANALYTICAL RESULTS

Date: *Thursday, April 03, 2003*

Client:	Environmental Quality Management, Inc.	***Client Project:***	OMC - Waukegan
		Work Order:	ME0303587
Client Sample ID:	27	***SIMALABS ID:***	ME0303587-07A
Sample Description:			
Sample Matrix:	Oil		
Collection Date:	03/26/03		
Date Received:	03/26/03		

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date / Time Analyzed
PCBS IN OIL	Method: **SW8082**		Prep Date/Time: **4/1/2003 7:00:00 AM**			Analyst: **AS**	
Aroclor 1016	A	***ND***	9500		mg/kg	10,000	4/2/2003 3:20:00 PM
Aroclor 1221	A	***ND***	9500		mg/kg	10,000	4/2/2003 3:20:00 PM
Aroclor 1232	A	***ND***	9500		mg/kg	10,000	4/2/2003 3:20:00 PM
Aroclor 1242	A	***52000***	9500		mg/kg	10,000	4/2/2003 3:20:00 PM
Aroclor 1248	A	***ND***	9500		mg/kg	10,000	4/2/2003 3:20:00 PM
Aroclor 1254	A	***ND***	9500		mg/kg	10,000	4/2/2003 3:20:00 PM
Aroclor 1260	A	***ND***	9500		mg/kg	10,000	4/2/2003 3:20:00 PM
Aroclor 1262	A	***ND***	9500		mg/kg	10,000	4/2/2003 3:20:00 PM
Aroclor 1268	A	***ND***	9500		mg/kg	10,000	4/2/2003 3:20:00 PM
Total PCB's	A	***52000***	9500		mg/kg	10,000	4/2/2003 3:20:00 PM
Surr: Decachlorobiphenyl	S	0	19.8-152	S	%REC	10,000	4/2/2003 3:20:00 PM
Surr: Tetrachloro-m-xylene	S	0	5-163	S	%REC	10,000	4/2/2003 3:20:00 PM

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard **DF** - Dilution Factor
T - Tentatively Identified Compound (TIC,concentration estimated)

Qual: *ND - Not Detected at the Reporting Limit* S - Spike recovery outside recovery limits I -Matrix Interference
B - Detected in the associated Method Blank SD - Value diluted out
* - Exceeds Maximum Contaminant Level R - RPD outside accepted recovery limits
E - Value above quantitation range

H - Analyte was prepared and/or analyzed outside of the analytical method holding time

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SIMALABS
INTERNATIONAL

ANALYTICAL RESULTS

Date: *Thursday, April 03, 2003*

Client:	Environmental Quality Management, Inc.	***Client Project:***	OMC - Waukegan
		Work Order:	ME0303587
Client Sample ID:	28	***SIMALABS ID:***	ME0303587-08A
Sample Description:			
Sample Matrix:	Oil		
Collection Date:	03/26/03		
Date Received:	03/26/03		

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date / Time Analyzed
PCBS IN OIL	Method: **SW8082**		Prep Date/Time: **4/1/2003 7:00:00 AM**			Analyst: **AS**	
Aroclor 1016	A	*ND*	9300		mg/kg	10,000	4/2/2003 3:46:00 PM
Aroclor 1221	A	*ND*	9300		mg/kg	10,000	4/2/2003 3:46:00 PM
Aroclor 1232	A	*ND*	9300		mg/kg	10,000	4/2/2003 3:46:00 PM
Aroclor 1242	A	*48000*	9300		mg/kg	10,000	4/2/2003 3:46:00 PM
Aroclor 1248	A	*ND*	9300		mg/kg	10,000	4/2/2003 3:46:00 PM
Aroclor 1254	A	*ND*	9300		mg/kg	10,000	4/2/2003 3:46:00 PM
Aroclor 1260	A	*ND*	9300		mg/kg	10,000	4/2/2003 3:46:00 PM
Aroclor 1262	A	*ND*	9300		mg/kg	10,000	4/2/2003 3:46:00 PM
Aroclor 1268	A	*ND*	9300		mg/kg	10,000	4/2/2003 3:46:00 PM
Total PCB's	A	*48000*	9300		mg/kg	10,000	4/2/2003 3:46:00 PM
Surr: Decachlorobiphenyl	S	50000	19.8-152	S	%REC	10,000	4/2/2003 3:46:00 PM
Surr: Tetrachloro-m-xylene	S	0	5-163	S	%REC	10,000	4/2/2003 3:46:00 PM

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
T - Tentatively Identified Compound (TIC,concentration estimated)
DF - Dilution Factor

Qual: ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank
* - Exceeds Maximum Contaminant Level
S - Spike recovery outside recovery limits
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range
I -Matrix Interference

H - Analyte was prepared and/or analyzed outside of the analytical method holding time

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SIMALABS
INTERNATIONAL

ANALYTICAL RESULTS

Date: *Thursday, April 03, 2003*

Client:	Environmental Quality Management, Inc.	***Client Project:***	OMC - Waukegan
		Work Order:	ME0303587
Client Sample ID:	20	***SIMALABS ID:***	ME0303587-09A
Sample Description:			
Sample Matrix:	Oil		
Collection Date:	03/26/03		
Date Received:	03/26/03		

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date / Time Analyzed
PCBS IN OIL	Method: **SW8082**		Prep Date/Time: **4/1/2003 7:00:00 AM**			Analyst: **AS**	
Aroclor 1016	A	*ND*	10000		mg/kg	10,000	4/2/2003 4:13:00 PM
Aroclor 1221	A	*ND*	10000		mg/kg	10,000	4/2/2003 4:13:00 PM
Aroclor 1232	A	*ND*	10000		mg/kg	10,000	4/2/2003 4:13:00 PM
Aroclor 1242	A	*30000*	10000		mg/kg	10,000	4/2/2003 4:13:00 PM
Aroclor 1248	A	*ND*	10000		mg/kg	10,000	4/2/2003 4:13:00 PM
Aroclor 1254	A	*ND*	10000		mg/kg	10,000	4/2/2003 4:13:00 PM
Aroclor 1260	A	*ND*	10000		mg/kg	10,000	4/2/2003 4:13:00 PM
Aroclor 1262	A	*ND*	10000		mg/kg	10,000	4/2/2003 4:13:00 PM
Aroclor 1268	A	*ND*	10000		mg/kg	10,000	4/2/2003 4:13:00 PM
Total PCB's	A	*30000*	10000		mg/kg	10,000	4/2/2003 4:13:00 PM
Surr: Decachlorobiphenyl	S	0	19.8-152	S	%REC	10,000	4/2/2003 4:13:00 PM
Surr: Tetrachloro-m-xylene	S	0	5-163	S	%REC	10,000	4/2/2003 4:13:00 PM

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
T - Tentatively Identified Compound (TIC,concentration estimated)
DF - Dilution Factor

Qual: ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank
* - Exceeds Maximum Contaminant Level
S - Spike recovery outside recovery limits
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range
I -Matrix Interference

H - Analyte was prepared and/or analyzed outside of the analytical method holding time

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SIMALABS
INTERNATIONAL

ANALYTICAL RESULTS

Date: *Thursday, April 03, 2003*

Client:	Environmental Quality Management, Inc.	***Client Project:***	OMC - Waukegan
		Work Order:	ME0303587
Client Sample ID:	19	***SIMALABS ID:***	ME0303587-10A
Sample Description:			
Sample Matrix:	Oil		
Collection Date:	03/26/03		
Date Received:	03/26/03		

PCBS IN OIL Method: **SW8082** Prep Date/Time: **4/1/2003 7:00:00 AM** Analyst: **AS**

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date / Time Analyzed
Aroclor 1016	A	***ND***	9800		mg/kg	10,000	4/2/2003 4:39:00 PM
Aroclor 1221	A	***ND***	9800		mg/kg	10,000	4/2/2003 4:39:00 PM
Aroclor 1232	A	***ND***	9800		mg/kg	10,000	4/2/2003 4:39:00 PM
Aroclor 1242	A	***47000***	9800		mg/kg	10,000	4/2/2003 4:39:00 PM
Aroclor 1248	A	***ND***	9800		mg/kg	10,000	4/2/2003 4:39:00 PM
Aroclor 1254	A	***ND***	9800		mg/kg	10,000	4/2/2003 4:39:00 PM
Aroclor 1260	A	***ND***	9800		mg/kg	10,000	4/2/2003 4:39:00 PM
Aroclor 1262	A	***ND***	9800		mg/kg	10,000	4/2/2003 4:39:00 PM
Aroclor 1268	A	***ND***	9800		mg/kg	10,000	4/2/2003 4:39:00 PM
Total PCB's	A	***47000***	9800		mg/kg	10,000	4/2/2003 4:39:00 PM
Surr: Decachlorobiphenyl	S	0	19.8-152	S	%REC	10,000	4/2/2003 4:39:00 PM
Surr: Tetrachloro-m-xylene	S	0	5-163	S	%REC	10,000	4/2/2003 4:39:00 PM

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
T - Tentatively Identified Compound (TIC,concentration estimated)

DF - Dilution Factor

Qual: ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank
* - Exceeds Maximum Contaminant Level

S - Spike recovery outside recovery limits
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range

I -Matrix Interference

H - Analyte was prepared and/or analyzed outside of the analytical method holding time

250 West 84th Drive, Merrillville, IN 46410 TEL 800 536 8379 TEL 219 769 8378 FAX 219 769 1664

SIMALABS
INTERNATIONAL

ANALYTICAL RESULTS

Date: *Thursday, April 03, 2003*

Client:	Environmental Quality Management, Inc.	***Client Project:***	OMC - Waukegan
		Work Order:	ME0303587
Client Sample ID:	18	***SIMALABS ID:***	ME0303587-11A
Sample Description:			
Sample Matrix:	Oil		
Collection Date:	03/26/03		
Date Received:	03/26/03		

PCBS IN OIL Method: **SW8082** Prep Date/Time: **4/1/2003 7:00:00 AM** Analyst: **AS**

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date / Time Analyzed
Aroclor 1016	A	***ND***	9100		mg/kg	0,000	4/2/2003 1:48:00 PM
Aroclor 1221	A	***ND***	9100		mg/kg	0,000	4/2/2003 1:48:00 PM
Aroclor 1232	A	***ND***	9100		mg/kg	0,000	4/2/2003 1:48:00 PM
Aroclor 1242	A	***29000***	9100		mg/kg	0,000	4/2/2003 1:48:00 PM
Aroclor 1248	A	***ND***	9100		mg/kg	0,000	4/2/2003 1:48:00 PM
Aroclor 1254	A	***ND***	9100		mg/kg	0,000	4/2/2003 1:48:00 PM
Aroclor 1260	A	***ND***	9100		mg/kg	0,000	4/2/2003 1:48:00 PM
Aroclor 1262	A	***ND***	9100		mg/kg	0,000	4/2/2003 1:48:00 PM
Aroclor 1268	A	***ND***	9100		mg/kg	0,000	4/2/2003 1:48:00 PM
Total PCB's	A	***29000***	9100		mg/kg	0,000	4/2/2003 1:48:00 PM
Surr: Decachlorobiphenyl	S	0	19.8-152	S	%REC	0,000	4/2/2003 1:48:00 PM
Surr: Tetrachloro-m-xylene	S	0	5-163	S	%REC	0,000	4/2/2003 1:48:00 PM

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
T - Tentatively Identified Compound (TIC,concentration estimated)
DF - Dilution Factor

Qual: ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank
* - Exceeds Maximum Contaminant Level
S - Spike recovery outside recovery limits
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range
I - Matrix Interference

H - Analyte was prepared and/or analyzed outside of the analytical method holding time

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SIMALABS
INTERNATIONAL

ANALYTICAL RESULTS

Date: *Thursday, April 03, 2003*

Client:	Environmental Quality Management, Inc.	***Client Project:***	OMC - Waukegan
		Work Order:	ME0303587
Client Sample ID:	17	***SIMALABS ID:***	ME0303587-12A
Sample Description:			
Sample Matrix:	Oil		
Collection Date:	03/26/03		
Date Received:	03/26/03		

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date / Time Analyzed
PCBS IN OIL	Method: **SW8082**		Prep Date/Time: **4/1/2003 7:00:00 AM**			Analyst: **AS**	
Aroclor 1016	A	***ND***	9200		mg/kg	10,000	4/2/2003 2:19:00 PM
Aroclor 1221	A	***ND***	9200		mg/kg	10,000	4/2/2003 2:19:00 PM
Aroclor 1232	A	***ND***	9200		mg/kg	10,000	4/2/2003 2:19:00 PM
Aroclor 1242	A	***25000***	9200		mg/kg	10,000	4/2/2003 2:19:00 PM
Aroclor 1248	A	***ND***	9200		mg/kg	10,000	4/2/2003 2:19:00 PM
Aroclor 1254	A	***ND***	9200		mg/kg	10,000	4/2/2003 2:19:00 PM
Aroclor 1260	A	***ND***	9200		mg/kg	10,000	4/2/2003 2:19:00 PM
Aroclor 1262	A	***ND***	9200		mg/kg	10,000	4/2/2003 2:19:00 PM
Aroclor 1268	A	***ND***	9200		mg/kg	10,000	4/2/2003 2:19:00 PM
Total PCB's	A	***25000***	9200		mg/kg	10,000	4/2/2003 2:19:00 PM
Surr: Decachlorobiphenyl	S	0	19.8-152	S	%REC	10,000	4/2/2003 2:19:00 PM
Surr: Tetrachloro-m-xylene	S	0	5-163	S	%REC	10,000	4/2/2003 2:19:00 PM

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
T - Tentatively Identified Compound (TIC,concentration estimated)

DF - Dilution Factor

Qual: ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank
* - Exceeds Maximum Contaminant Level

S - Spike recovery outside recovery limits
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range

I -Matrix Interference

H - Analyte was prepared and/or analyzed outside of the analytical method holding time

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SIMALABS
INTERNATIONAL

ANALYTICAL RESULTS

Date: *Thursday, April 03, 2003*

Client:	Environmental Quality Management, Inc.	***Client Project:***	OMC - Waukegan
		Work Order:	ME0303587
Client Sample ID:	16	***SIMALABS ID:***	ME0303587-13A
Sample Description:			
Sample Matrix:	Oil		
Collection Date:	03/26/03		
Date Received:	03/26/03		

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date / Time Analyzed
PCBS IN OIL	Method: **SW8082**		Prep Date/Time: **4/1/2003 7:00:00 AM**			Analyst: **AS**	
Aroclor 1016	A	***ND***	9700		mg/kg	10,000	4/2/2003 2:50:00 PM
Aroclor 1221	A	***ND***	9700		mg/kg	10,000	4/2/2003 2:50:00 PM
Aroclor 1232	A	***ND***	9700		mg/kg	10,000	4/2/2003 2:50:00 PM
Aroclor 1242	A	***27000***	9700		mg/kg	10,000	4/2/2003 2:50:00 PM
Aroclor 1248	A	***ND***	9700		mg/kg	10,000	4/2/2003 2:50:00 PM
Aroclor 1254	A	***ND***	9700		mg/kg	10,000	4/2/2003 2:50:00 PM
Aroclor 1260	A	***ND***	9700		mg/kg	10,000	4/2/2003 2:50:00 PM
Aroclor 1262	A	***ND***	9700		mg/kg	10,000	4/2/2003 2:50:00 PM
Aroclor 1268	A	***ND***	9700		mg/kg	10,000	4/2/2003 2:50:00 PM
Total PCB's	A	***27000***	9700		mg/kg	10,000	4/2/2003 2:50:00 PM
Surr: Decachlorobiphenyl	S	0	19.8-152	S	%REC	10,000	4/2/2003 2:50:00 PM
Surr: Tetrachloro-m-xylene	S	0	5-163	S	%REC	10,000	4/2/2003 2:50:00 PM

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
T - Tentatively Identified Compound (TIC,concentration estimated)
DF - Dilution Factor

Qual: ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank
* - Exceeds Maximum Contaminant Level
S - Spike recovery outside recovery limits
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range
I -Matrix Interference

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SIMALABS
INTERNATIONAL

ANALYTICAL RESULTS

Date: *Thursday, April 03, 2003*

Client:	Environmental Quality Management, Inc.	***Client Project:***	OMC - Waukegan
		Work Order:	ME0303587
Client Sample ID:	15	***SIMALABS ID:***	ME0303587-14A
Sample Description:			
Sample Matrix:	Oil		
Collection Date:	03/26/03		
Date Received:	03/26/03		

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date / Time Analyzed
PCBS IN OIL	Method: **SW8082**		Prep Date/Time: **4/1/2003 7:00:00 AM**			Analyst: **AS**	
Aroclor 1016	A	*ND*	9100		mg/kg	10,000	4/2/2003 3:21:00 PM
Aroclor 1221	A	*ND*	9100		mg/kg	10,000	4/2/2003 3:21:00 PM
Aroclor 1232	A	*ND*	9100		mg/kg	10,000	4/2/2003 3:21:00 PM
Aroclor 1242	A	*27000*	9100		mg/kg	10,000	4/2/2003 3:21:00 PM
Aroclor 1248	A	*ND*	9100		mg/kg	10,000	4/2/2003 3:21:00 PM
Aroclor 1254	A	*ND*	9100		mg/kg	10,000	4/2/2003 3:21:00 PM
Aroclor 1260	A	*ND*	9100		mg/kg	10,000	4/2/2003 3:21:00 PM
Aroclor 1262	A	*ND*	9100		mg/kg	10,000	4/2/2003 3:21:00 PM
Aroclor 1268	A	*ND*	9100		mg/kg	10,000	4/2/2003 3:21:00 PM
Total PCB's	A	*27000*	9100		mg/kg	10,000	4/2/2003 3:21:00 PM
Surr: Decachlorobiphenyl	S	0	19.8-152	S	%REC	10,000	4/2/2003 3:21:00 PM
Surr: Tetrachloro-m-xylene	S	0	5-163	S	%REC	10,000	4/2/2003 3:21:00 PM

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
T - Tentatively Identified Compound (TIC,concentration estimated)
DF - Dilution Factor

Qual: ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank
* - Exceeds Maximum Contaminant Level
S - Spike recovery outside recovery limits
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range
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SIMALABS
INTERNATIONAL

ANALYTICAL RESULTS

Date: *Thursday, April 03, 2003*

Client:	Environmental Quality Management, Inc.	***Client Project:***	OMC - Waukegan
		Work Order:	ME0303587
Client Sample ID:	2	***SIMALABS ID:***	ME0303587-15A
Sample Description:			
Sample Matrix:	Oil		
Collection Date:	03/26/03		
Date Received:	03/26/03		

PCBS IN OIL Method: **SW8082** Prep Date/Time: **4/1/2003 7:00:00 AM** Analyst: **AS**

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date / Time Analyzed
Aroclor 1016	A	***ND***	9600		mg/kg	10,000	4/2/2003 3:46:00 PM
Aroclor 1221	A	***ND***	9600		mg/kg	10,000	4/2/2003 3:46:00 PM
Aroclor 1232	A	***ND***	9600		mg/kg	10,000	4/2/2003 3:46:00 PM
Aroclor 1242	A	***ND***	9600		mg/kg	10,000	4/2/2003 3:46:00 PM
Aroclor 1248	A	***ND***	9600		mg/kg	10,000	4/2/2003 3:46:00 PM
Aroclor 1254	A	***28000***	9600		mg/kg	10,000	4/2/2003 3:46:00 PM
Aroclor 1260	A	***ND***	9600		mg/kg	10,000	4/2/2003 3:46:00 PM
Aroclor 1262	A	***ND***	9600		mg/kg	10,000	4/2/2003 3:46:00 PM
Aroclor 1268	A	***ND***	9600		mg/kg	10,000	4/2/2003 3:46:00 PM
Total PCB's	A	***28000***	9600		mg/kg	10,000	4/2/2003 3:46:00 PM
Surr: Decachlorobiphenyl	S	0	19.8-152	sd	%REC	10,000	4/2/2003 3:46:00 PM
Surr: Tetrachloro-m-xylene	S	0	5-163	sd	%REC	10,000	4/2/2003 3:46:00 PM

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
T - Tentatively Identified Compound (TIC,concentration estimated)

DF - Dilution Factor

Qual: ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank
* - Exceeds Maximum Contaminant Level

S - Spike recovery outside recovery limits
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range

I -Matrix Interference

H - Analyte was prepared and/or analyzed outside of the analytical method holding time

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SIMALABS
INTERNATIONAL

ANALYTICAL RESULTS

Date: *Thursday, April 03, 2003*

Client:	Environmental Quality Management, Inc.	***Client Project:***	OMC - Waukegan
		Work Order:	ME0303587
Client Sample ID:	6	***SIMALABS ID:***	ME0303587-16A
Sample Description:			
Sample Matrix:	Oil		
Collection Date:	03/26/03		
Date Received:	03/26/03		

PCBS IN OIL Method: **SW8082** Prep Date/Time: **4/1/2003 7:00:00 AM** Analyst: **AS**

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date / Time Analyzed
Aroclor 1016	A	***ND***	9600		mg/kg	10,000	4/2/2003 4:13:00 PM
Aroclor 1221	A	***ND***	9600		mg/kg	10,000	4/2/2003 4:13:00 PM
Aroclor 1232	A	***ND***	9600		mg/kg	10,000	4/2/2003 4:13:00 PM
Aroclor 1242	A	***ND***	9600		mg/kg	10,000	4/2/2003 4:13:00 PM
Aroclor 1248	A	***ND***	9600		mg/kg	10,000	4/2/2003 4:13:00 PM
Aroclor 1254	A	***ND***	9600		mg/kg	10,000	4/2/2003 4:13:00 PM
Aroclor 1260	A	***16000***	9600		mg/kg	10,000	4/2/2003 4:13:00 PM
Aroclor 1262	A	***ND***	9600		mg/kg	10,000	4/2/2003 4:13:00 PM
Aroclor 1268	A	***ND***	9600		mg/kg	10,000	4/2/2003 4:13:00 PM
Total PCB's	A	***16000***	9600		mg/kg	10,000	4/2/2003 4:13:00 PM
Surr: Decachlorobiphenyl	S	0	19.8-152	S	%REC	10,000	4/2/2003 4:13:00 PM
Surr: Tetrachloro-m-xylene	S	0	5-163	S	%REC	10,000	4/2/2003 4:13:00 PM

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
T - Tentatively Identified Compound (TIC,concentration estimated)

DF - Dilution Factor

Qual: ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank
* - Exceeds Maximum Contaminant Level

S - Spike recovery outside recovery limits
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range

I -Matrix Interference

H - Analyte was prepared and/or analyzed outside of the analytical method holding time

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SIMALABS
INTERNATIONAL

ANALYTICAL RESULTS

Date: *Thursday, April 03, 2003*

Client:	Environmental Quality Management, Inc.	***Client Project:***	OMC - Waukegan
		Work Order:	ME0303587
Client Sample ID:	5	***SIMALABS ID:***	ME0303587-17A
Sample Description:			
Sample Matrix:	Oil		
Collection Date:	03/26/03		
Date Received:	03/26/03		

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date / Time Analyzed
PCBS IN OIL	Method: **SW8082**		Prep Date/Time: **4/1/2003 7:00:00 AM**				Analyst: **AS**
Aroclor 1016	A	***ND***	10000		mg/kg	10,000	4/2/2003 4:39:00 PM
Aroclor 1221	A	***ND***	10000		mg/kg	10,000	4/2/2003 4:39:00 PM
Aroclor 1232	A	***ND***	10000		mg/kg	10,000	4/2/2003 4:39:00 PM
Aroclor 1242	A	***ND***	10000		mg/kg	10,000	4/2/2003 4:39:00 PM
Aroclor 1248	A	***ND***	10000		mg/kg	10,000	4/2/2003 4:39:00 PM
Aroclor 1254	A	***ND***	10000		mg/kg	10,000	4/2/2003 4:39:00 PM
Aroclor 1260	A	***32000***	10000		mg/kg	10,000	4/2/2003 4:39:00 PM
Aroclor 1262	A	***ND***	10000		mg/kg	10,000	4/2/2003 4:39:00 PM
Aroclor 1268	A	***ND***	10000		mg/kg	10,000	4/2/2003 4:39:00 PM
Total PCB's	A	***32000***	10000		mg/kg	10,000	4/2/2003 4:39:00 PM
Surr: Decachlorobiphenyl	S	0	19.8-152	S	%REC	10,000	4/2/2003 4:39:00 PM
Surr: Tetrachloro-m-xylene	S	0	5-163	S	%REC	10,000	4/2/2003 4:39:00 PM

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
T - Tentatively Identified Compound (TIC,concentration estimated)
DF - Dilution Factor

Qual: ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank
* - Exceeds Maximum Contaminant Level
S - Spike recovery outside recovery limits
SD - Value diluted out
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SIMALABS
INTERNATIONAL

ANALYTICAL RESULTS

Date: *Thursday, April 03, 2003*

Client:	Environmental Quality Management, Inc.	***Client Project:***	OMC - Waukegan
		Work Order:	ME0303587
Client Sample ID:	7	***SIMALABS ID:***	ME0303587-18A
Sample Description:			
Sample Matrix:	Oil		
Collection Date:	03/26/03		
Date Received:	03/26/03		

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date / Time Analyzed
PCBS IN OIL	Method: **SW8082**		Prep Date/Time: **4/1/2003 7:00:00 AM**				Analyst: **AS**
Aroclor 1016	A	***ND***	9800		mg/kg	10,000	4/2/2003 5:04:00 PM
Aroclor 1221	A	***ND***	9800		mg/kg	10,000	4/2/2003 5:04:00 PM
Aroclor 1232	A	***ND***	9800		mg/kg	10,000	4/2/2003 5:04:00 PM
Aroclor 1242	A	***ND***	9800		mg/kg	10,000	4/2/2003 5:04:00 PM
Aroclor 1248	A	***ND***	9800		mg/kg	10,000	4/2/2003 5:04:00 PM
Aroclor 1254	A	***42000***	9800		mg/kg	10,000	4/2/2003 5:04:00 PM
Aroclor 1260	A	***ND***	9800		mg/kg	10,000	4/2/2003 5:04:00 PM
Aroclor 1262	A	***ND***	9800		mg/kg	10,000	4/2/2003 5:04:00 PM
Aroclor 1268	A	***ND***	9800		mg/kg	10,000	4/2/2003 5:04:00 PM
Total PCB's	A	***42000***	9800		mg/kg	10,000	4/2/2003 5:04:00 PM
Surr: Decachlorobiphenyl	S	0	19.8-152	sd	%REC	10,000	4/2/2003 5:04:00 PM
Surr: Tetrachloro-m-xylene	S	0	5-163	sd	%REC	10,000	4/2/2003 5:04:00 PM

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
T - Tentatively Identified Compound (TIC,concentration estimated)
DF - Dilution Factor

Qual: ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank
* - Exceeds Maximum Contaminant Level
S - Spike recovery outside recovery limits
SD - Value diluted out
R - RPD outside accepted recovery limits
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H - Analyte was prepared and/or analyzed outside of the analytical method holding time

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SIMALABS
INTERNATIONAL

ANALYTICAL RESULTS

Date: *Thursday, April 03, 2003*

Client:	Environmental Quality Management, Inc.	***Client Project:***	OMC - Waukegan
		Work Order:	ME0303587
Client Sample ID:	11	***SIMALABS ID:***	ME0303587-19A
Sample Description:			
Sample Matrix:	Oil		
Collection Date:	03/26/03		
Date Received:	03/26/03		

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date / Time Analyzed
PCBS IN OIL	Method: **SW8082**		Prep Date/Time: **4/1/2003 7:00:00 AM**			Analyst: **AS**	
Aroclor 1016	A	*ND*	9900		mg/kg	10,000	4/2/2003 5:35:00 PM
Aroclor 1221	A	*ND*	9900		mg/kg	10,000	4/2/2003 5:35:00 PM
Aroclor 1232	A	*ND*	9900		mg/kg	10,000	4/2/2003 5:35:00 PM
Aroclor 1242	A	*ND*	9900		mg/kg	10,000	4/2/2003 5:35:00 PM
Aroclor 1248	A	*ND*	9900		mg/kg	10,000	4/2/2003 5:35:00 PM
Aroclor 1254	A	*ND*	9900		mg/kg	10,000	4/2/2003 5:35:00 PM
Aroclor 1260	A	*44000*	9900		mg/kg	10,000	4/2/2003 5:35:00 PM
Aroclor 1262	A	*ND*	9900		mg/kg	10,000	4/2/2003 5:35:00 PM
Aroclor 1268	A	*ND*	9900		mg/kg	10,000	4/2/2003 5:35:00 PM
Total PCB's	A	*44000*	9900		mg/kg	10,000	4/2/2003 5:35:00 PM
Surr: Decachlorobiphenyl	S	0	19.8-152	sd	%REC	10,000	4/2/2003 5:35:00 PM
Surr: Tetrachloro-m-xylene	S	0	5-163	sd	%REC	10,000	4/2/2003 5:35:00 PM

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
T - Tentatively Identified Compound (TIC,concentration estimated)
DF - Dilution Factor

Qual: ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank
* - Exceeds Maximum Contaminant Level
S - Spike recovery outside recovery limits
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range
I -Matrix Interference

H - Analyte was prepared and/or analyzed outside of the analytical method holding time

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SIMALABS

INTERNATIONAL

ANALYTICAL RESULTS

Date: *Thursday, April 03, 2003*

Client:	Environmental Quality Management, Inc.	***Client Project:***	OMC - Waukegan
		Work Order:	ME0303587
Client Sample ID:	8B	***SIMALABS ID:***	ME0303587-20A
Sample Description:			
Sample Matrix:	Oil		
Collection Date:	03/26/03		
Date Received:	03/26/03		

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date / Time Analyzed
PCBS IN OIL	Method: **SW8082**		Prep Date/Time: **4/1/2003 7:00:00 AM**			Analyst: **AS**	
Aroclor 1016	A	*ND*	10000		mg/kg	10,000	4/2/2003 6:06:00 PM
Aroclor 1221	A	*ND*	10000		mg/kg	10,000	4/2/2003 6:06:00 PM
Aroclor 1232	A	*ND*	10000		mg/kg	10,000	4/2/2003 6:06:00 PM
Aroclor 1242	A	*ND*	10000		mg/kg	10,000	4/2/2003 6:06:00 PM
Aroclor 1248	A	*ND*	10000		mg/kg	10,000	4/2/2003 6:06:00 PM
Aroclor 1254	A	*ND*	10000		mg/kg	10,000	4/2/2003 6:06:00 PM
Aroclor 1260	A	*ND*	10000		mg/kg	10,000	4/2/2003 6:06:00 PM
Aroclor 1262	A	*ND*	10000		mg/kg	10,000	4/2/2003 6:06:00 PM
Aroclor 1268	A	*ND*	10000		mg/kg	10,000	4/2/2003 6:06:00 PM
Total PCB's	A	*ND*	10000		mg/kg	10,000	4/2/2003 6:06:00 PM
Surr: Decachlorobiphenyl	S	0	19.8-152	sd	%REC	10,000	4/2/2003 6:06:00 PM
Surr: Tetrachloro-m-xylene	S	0	5-163	sd	%REC	10,000	4/2/2003 6:06:00 PM

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
T - Tentatively Identified Compound (TIC,concentration estimated)

DF - Dilution Factor

Qual: ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank
* - Exceeds Maximum Contaminant Level

S - Spike recovery outside recovery limits
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range

I -Matrix Interference

H - Analyte was prepared and/or analyzed outside of the analytical method holding time

250 West 84th Drive, Merrillville, IN 46410 TEL 800 536 8379 TEL 219 769 8378 FAX 219 769 1664

SIMALABS
INTERNATIONAL

ANALYTICAL RESULTS

Date: *Thursday, April 03, 2003*

Client:	Environmental Quality Management, Inc.	***Client Project:***	OMC - Waukegan
		Work Order:	ME0303587
Client Sample ID:	7B	***SIMALABS ID:***	ME0303587-21A
Sample Description:			
Sample Matrix:	Oil		
Collection Date:	03/26/03		
Date Received:	03/26/03		

PCBS IN OIL Method: **SW8082** Prep Date/Time: **4/2/2003 9:30:00 AM** Analyst: **AS**

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date / Time Analyzed
Aroclor 1016	A	***ND***	9800		mg/kg	10,000	4/2/2003 12:16:00 PM
Aroclor 1221	A	***ND***	9800		mg/kg	10,000	4/2/2003 12:16:00 PM
Aroclor 1232	A	***ND***	9800		mg/kg	10,000	4/2/2003 12:16:00 PM
Aroclor 1242	A	***ND***	9800		mg/kg	10,000	4/2/2003 12:16:00 PM
Aroclor 1248	A	***ND***	9800		mg/kg	10,000	4/2/2003 12:16:00 PM
Aroclor 1254	A	***ND***	9800		mg/kg	10,000	4/2/2003 12:16:00 PM
Aroclor 1260	A	***59000***	9800		mg/kg	10,000	4/2/2003 12:16:00 PM
Aroclor 1262	A	***ND***	9800		mg/kg	10,000	4/2/2003 12:16:00 PM
Aroclor 1268	A	***ND***	9800		mg/kg	10,000	4/2/2003 12:16:00 PM
Total PCB's	A	***59000***	9800		mg/kg	10,000	4/2/2003 12:16:00 PM
Surr: Decachlorobiphenyl	S	0	19.8-152	sd	%REC	10,000	4/2/2003 12:16:00 PM
Surr: Tetrachloro-m-xylene	S	0	5-163	sd	%REC	10,000	4/2/2003 12:16:00 PM

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
T - Tentatively Identified Compound (TIC,concentration estimated)
DF - Dilution Factor

Qual: ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank
* - Exceeds Maximum Contaminant Level
S - Spike recovery outside recovery limits
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range
I -Matrix Interference

H - Analyte was prepared and/or analyzed outside of the analytical method holding time

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SIMALABS
INTERNATIONAL

ANALYTICAL RESULTS

Date: *Thursday, April 03, 2003*

Client:	Environmental Quality Management, Inc.	***Client Project:***	OMC - Waukegan
		Work Order:	ME0303587
Client Sample ID:	8	***SIMALABS ID:***	ME0303587-22A
Sample Description:			
Sample Matrix:	Oil		
Collection Date:	03/26/03		
Date Received:	03/26/03		

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date / Time Analyzed
PCBS IN OIL	Method: **SW8082**		Prep Date/Time: **4/2/2003 9:30:00 AM**			Analyst: **AS**	
Aroclor 1016	A	***ND***	9500		mg/kg	10,000	4/2/2003 12:46:00 PM
Aroclor 1221	A	***ND***	9500		mg/kg	10,000	4/2/2003 12:46:00 PM
Aroclor 1232	A	***ND***	9500		mg/kg	10,000	4/2/2003 12:46:00 PM
Aroclor 1242	A	***ND***	9500		mg/kg	10,000	4/2/2003 12:46:00 PM
Aroclor 1248	A	***ND***	9500		mg/kg	10,000	4/2/2003 12:46:00 PM
Aroclor 1254	A	***ND***	9500		mg/kg	10,000	4/2/2003 12:46:00 PM
Aroclor 1260	A	***34000***	9500		mg/kg	10,000	4/2/2003 12:46:00 PM
Aroclor 1262	A	***ND***	9500		mg/kg	10,000	4/2/2003 12:46:00 PM
Aroclor 1268	A	***ND***	9500		mg/kg	10,000	4/2/2003 12:46:00 PM
Total PCB's	A	***34000***	9500		mg/kg	10,000	4/2/2003 12:46:00 PM
Surr: Decachlorobiphenyl	S	0	19.8-152	sd	%REC	10,000	4/2/2003 12:46:00 PM
Surr: Tetrachloro-m-xylene	S	0	5-163	sd	%REC	10,000	4/2/2003 12:46:00 PM

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
T - Tentatively Identified Compound (TIC,concentration estimated)

DF - Dilution Factor

Qual: ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank
* - Exceeds Maximum Contaminant Level

S - Spike recovery outside recovery limits
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range

I - Matrix Interference

H - Analyte was prepared and/or analyzed outside of the analytical method holding time

250 West 84th Drive, Merrillville, IN 46410 TEL 800 536 8379 TEL 219 769 8378 FAX 219 769 1664

SIMALABS
INTERNATIONAL

ANALYTICAL RESULTS

Date: *Thursday, April 03, 2003*

Client:	Environmental Quality Management, Inc.	***Client Project:***	OMC - Waukegan
		Work Order:	ME0303587
Client Sample ID:	9	***SIMALABS ID:***	ME0303587-23A
Sample Description:			
Sample Matrix:	Oil		
Collection Date:	03/26/03		
Date Received:	03/26/03		

PCBS IN OIL Method: **SW8082** Prep Date/Time: **4/2/2003 9:30:00 AM** Analyst: **AS**

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date / Time Analyzed
Aroclor 1016	A	ND	9300		mg/kg	10,000	4/2/2003 1:17:00 PM
Aroclor 1221	A	ND	9300		mg/kg	10,000	4/2/2003 1:17:00 PM
Aroclor 1232	A	ND	9300		mg/kg	10,000	4/2/2003 1:17:00 PM
Aroclor 1242	A	53000	9300		mg/kg	10,000	4/2/2003 1:17:00 PM
Aroclor 1248	A	ND	9300		mg/kg	10,000	4/2/2003 1:17:00 PM
Aroclor 1254	A	ND	9300		mg/kg	10,000	4/2/2003 1:17:00 PM
Aroclor 1260	A	ND	9300		mg/kg	10,000	4/2/2003 1:17:00 PM
Aroclor 1262	A	ND	9300		mg/kg	10,000	4/2/2003 1:17:00 PM
Aroclor 1268	A	ND	9300		mg/kg	10,000	4/2/2003 1:17:00 PM
Total PCB's	A	53000	9300		mg/kg	10,000	4/2/2003 1:17:00 PM
Surr: Decachlorobiphenyl	S	0	19.8-152	sd	%REC	10,000	4/2/2003 1:17:00 PM
Surr: Tetrachloro-m-xylene	S	0	5-163	sd	%REC	10,000	4/2/2003 1:17:00 PM

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
T - Tentatively Identified Compound (TIC,concentration estimated)
DF - Dilution Factor

Qual: ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank
* - Exceeds Maximum Contaminant Level
S - Spike recovery outside recovery limits
SD - Value diluted out
R - RPD outside accepted recovery limits
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SIMALABS International

250 W 84th Drive
Merrillville, IN 46410
(219) 769-8378

COOLER INSPECTION

Wednesday, March 26, 2003

Client Name EQM
Work Order Number ME0303587
Checklist completed b [signature] 3/26/03
Signature | Date

Date / Time Received: 3/26/2003
Received by CGB
Reviewed by [initials] 3/26/03
Initials | Date

	Carrier name	Client Delivered		
After-Hour Arrival?	Yes ☐	No ☑		
Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present	☐
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Present	☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present	☑
Chain of custody present?	Yes ☑	No ☐		
Chain of custody included sufficient client identification?	Yes ☑	No ☐		
Chain of custody included sufficient sample collector information?	Yes ☑	No ☐		
Chain of custody included a sample description?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Chain of custody identified the appropriate matrix?	Yes ☑	No ☐		
Chain of custody included date of collection?	Yes ☑	No ☐		
Chain of custody included time of collection?	Yes ☑	No ☐		
Chain of custody identified the appropriate number of containers?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Chain of custody identified the appropriate preservatives?	Yes ☑	No ☐		
Samples properly preserved?	Yes ☑	No ☐		
If No, adjusted by?		Date/Time		
Chain of custody included the requested analyses?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Samples received on ice?	Yes ☑	No ☐		
Container/Temp Blank temperature	Temp: 4 °C			
VOA vials have zero headspace?	No VOA vials submitted ☑	Yes ☐	No ☐	

ANY "NO" EVALUATION (excluding After-Hour Receipt) REQUIRES CLIENT NOTIFICATION.

General Comments:

Sample ID	Client Sample ID	Comments
ME0303587-01A	30	
ME0303587-02A	31	
ME0303587-03A	32	
ME0303587-04A	34	
ME0303587-05A	23	
ME0303587-06A	26	
ME0303587-07A	27	
ME0303587-08A	28	
ME0303587-09A	20	
ME0303587-10A	19	
ME0303587-11A	18	

Sample ID	Client Sample ID	Comments
ME0303587-12A	17	
ME0303587-13A	16	
ME0303587-14A	15	
ME0303587-15A	2	
ME0303587-16A	6	
ME0303587-17A	5	
ME0303587-18A	7	
ME0303587-19A	11	
ME0303587-20A	8B	
ME0303587-21A	7B	
ME0303587-22A	8	
ME0303587-23A	9	

Client representative contacted: _____ Date contacted: _____

Contacted by: _____ Regarding _____

Notes: _____

'0 Carillon Blvd
.cinnati, OH 45240
(513) 825-7500

Environm[illegible]al Quality Management, Inc.
Chain of Custody Record

COC Tracking **EQ-111**

Project No.	Project Name
# 3141-117	OMC - WAUKEGAN

Samplers/Affiliation: *(Print Name and Sign)* Ken Brown [signature]

Lab P.O. No

Sample ID	Date	Time	Description/Matrix.	Sample Volume / Comments	No. of Containers	TESTS: TOTAL PCBs										
30	3/26/03	940	OIL	2 oz	1	X										
31		945				X										
32		950				X										
34		1100				X										
23		1020				X										
26		1005				X										
27		1000				X										
28		1008				X										
20		1036				X										
19		1030				X										
18		1025				X										
17		1041				X										
16		1047				X										
15		1044				X										

ME0303587

Relinquished by: *(Signature)*	Date	Time	Received by: *(Signature)*	Date	Time
[signature]	3/26/03	1820	[signature]	3/26/03	1820
Relinquished by: *(Signature)*	Date	Time	Received by: *(Signature)*	Date	Time
Relinquished by: *(Signature)*	Date	Time	Received by: *(Signature)* [signature]	Date 3/26/03	Time 18:20

Ship To: SEND RESULTS TO: JACKIE DOAN ENVIRONMENTAL QUALITY MGMT 1800 CARILLON BLVD. CINCINNATI, OHIO 45240 FAX RESULTS TO: 513 825 7495

Airbill Number: ATTENTION: JACKIE DOAN

Reporting/QA Requirements: LEVEL II

Turn Around Time (EXACT DUE DATE): STAT 14 DAY 10 BUSINESS DAY 4/9/03

Report To: JACKIE DOAN FAX # (513) 825-7495

Chain of Custody Seal Numbers

Distribution White - Accompanies Shipment Pink - Project Files Yellow - Laboratory File

1800 Carillon Blvd
Cincinnati, OH 45240
(513) 825-7500

Environmental Quality Management, Inc.
Chain of Custody Record

COC Tracking **EQ-111**

Project No: # 3141-117

Project Name: OMC - WAUKEGAN

Samplers/Affiliation: (Print Name and Sign) Ken Brown, Kenneth R. Brown

Lab P.O. No:

TESTS: TOTAL PCBs; MF0303587

Sample ID	Date	Time	Description/Matrix	Sample Volume / Comments	No. of Containers	TOTAL PCBs										
2	3/26/03	1430	OIL	2 oz	1	X										1
6		1330				X										1
5		1350				X										1
7		1341				X										1
11		1340				X										1
8B		1120				X										1
7B		1130				X										1
8		1405				X										1
9		1400				X										1

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	3/26/03	1820	[signature]	3/26/03	1820
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Ship To: JACKIE OOAA
ENVIRONMENTAL QUALITY MGMT.
1800 CARILLON BLVD.
CINCINNATI, OHIO 45240
FAX # (513) 825-7495

Airbill Number:

Reporting/QA Requirements: LEVEL II

Turn Around Time (EXACT DUE DATE): STAT 14 DAY, 10 BUSINESS DAY 4/9/03

Report To: JACKIE OOAA
FAX TO: (513) 825-7495

Chain of Custody Seal Numbers:

Distribution: White - Accompanies Shipment; Pink - Project Files; Yellow - Laboratory File

SIMALABS
INTERNATIONAL

April 07, 2003

Jackie Doan
Environmental Quality Management, Inc.
1800 Carillon Boulevard
Cincinnati, OH 45240

RE: OMC - Waukegan, IL

Work Order No.: ME0303623

Dear Jackie Doan:

SIMALABS International received 28 samples on 3/28/2003 10:30:00 AM for the analyses presented in the following report.

The enclosed results were obtained from and are applicable to the sample(s) as received at the laboratory. All sample results are reported on an "as received" basis unless otherwise noted. This report includes the numbered pages as well as the Cooler Inspection Report and original Chain of Custody form(s).

SIMALABS International of Merrillville, Indiana is an accredited laboratory under the requirements of the National Environmental Laboratory Accreditation Program (IL EPA lab #100435). All data included has been reviewed for and meets all project specific and Quality Control requirements of this accreditation, unless otherwise noted. This report shall not be reproduced except in full, without the written approval of SIMALABS International.

We appreciate the opportunity to service your analytical needs. If you have any questions, please feel free to contact us.

Sincerely,
SIMALABS International

Ronald J. Misiunas
Client Services Manager

Enclosures

250 West 84th Drive Merrillville IN 46410 TEL 800 536 8379 TEL 219 769 8378 FAX 219 769 1664

SIMALABS INTERNATIONAL

SIMALABS International

Date: *07-Apr-03*

CLIENT: Environmental Quality Management, Inc.
Project: OMC - Waukegan, IL
Lab Order: ME0303623

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
ME0303623-01A	WP-301	WP-301	3/27/2003 9:10:00 AM	3/28/2003
ME0303623-02A	WP-302	WP-302	3/27/2003 9:13:00 AM	3/28/2003
ME0303623-03A	WP-303	WP-303	3/27/2003 9:16:00 AM	3/28/2003
ME0303623-04A	WP-304	WP-304	3/27/2003 9:18:00 AM	3/28/2003
ME0303623-05A	WP-305	WP-305	3/27/2003 9:21:00 AM	3/28/2003
ME0303623-06A	WP-306	WP-306	3/27/2003 9:23:00 AM	3/28/2003
ME0303623-07A	WP-307	WP-307	3/27/2003 9:26:00 AM	3/28/2003
ME0303623-08A	WP-308	WP-308	3/27/2003 9:30:00 AM	3/28/2003
ME0303623-09A	WP-309	WP-309	3/27/2003 9:31:00 AM	3/28/2003
ME0303623-10A	WP-310	WP-310	3/27/2003 9:33:00 AM	3/28/2003
ME0303623-11A	WP-311	WP-311	3/27/2003 9:36:00 AM	3/28/2003
ME0303623-12A	WP-312	WP-312	3/27/2003 9:40:00 AM	3/28/2003
ME0303623-13A	WP-313	WP-313	3/27/2003 9:43:00 AM	3/28/2003
ME0303623-14A	WP-314	WP-314	3/27/2003 9:45:00 AM	3/28/2003
ME0303623-15A	WP-315	WP-315	3/27/2003 9:48:00 AM	3/28/2003
ME0303623-16A	WP-316	WP-316	3/27/2003 9:51:00 AM	3/28/2003
ME0303623-17A	WP-317	WP-317	3/27/2003 9:54:00 AM	3/28/2003
ME0303623-18A	WP-318	WP-318	3/27/2003 9:57:00 AM	3/28/2003
ME0303623-19A	WP-319	WP-319	3/27/2003 10:00:00 AM	3/28/2003
ME0303623-20A	WP-320	WP-320	3/27/2003 10:03:00 AM	3/28/2003
ME0303623-21A	WP-321	WP-321	3/27/2003 10:07:00 AM	3/28/2003
ME0303623-22A	WP-322	WP-322	3/27/2003 10:09:00 AM	3/28/2003
ME0303623-23A	WP-323	WP-323	3/27/2003 10:12:00 AM	3/28/2003
ME0303623-24A	WP-324	WP-324	3/27/2003 10:15:00 AM	3/28/2003
ME0303623-25A	WP-325	WP-325	3/27/2003 10:18:00 AM	3/28/2003
ME0303623-26A	WP-326	WP-326	3/27/2003 10:20:00 AM	3/28/2003
ME0303623-27A	WP-327	WO-327	3/27/2003 10:23:00 AM	3/28/2003
ME0303623-28A	WP-328	WP-328	3/27/2003 10:26:00 AM	3/28/2003

SIMALABS
INTERNATIONAL

ANALYTICAL RESULTS

Date: *Monday, April 07, 2003*

Client:	Environmental Quality Management, Inc.	***Client Project:***	OMC - Waukegan, IL
		Work Order:	ME0303623
Client Sample ID:	WP-301	***SIMALABS ID:***	ME0303623-01A
Sample Description:	WP-301		
Sample Matrix:	Wipe		
Collection Date:	03/27/03		
Date Received:	03/28/03		

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date / Time Analyzed
PCB'S	Method: **SW8082**		Prep Date/Time: **4/2/2003**				Analyst: **AS**
Aroclor 1016	A	*ND*	2.5		µg/Area	1	4/4/2003 8:54:00 AM
Aroclor 1221	A	*ND*	2.5		µg/Area	1	4/4/2003 8:54:00 AM
Aroclor 1232	A	*ND*	2.5		µg/Area	1	4/4/2003 8:54:00 AM
Aroclor 1242	A	*4.3*	2.5		µg/Area	1	4/4/2003 8:54:00 AM
Aroclor 1248	A	*ND*	2.5		µg/Area	1	4/4/2003 8:54:00 AM
Aroclor 1254	A	*ND*	2.5		µg/Area	1	4/4/2003 8:54:00 AM
Aroclor 1260	A	*ND*	2.5		µg/Area	1	4/4/2003 8:54:00 AM
Aroclor 1262	A	*ND*	2.5		µg/Area	1	4/4/2003 8:54:00 AM
Aroclor 1268	A	*ND*	2.5		µg/Area	1	4/4/2003 8:54:00 AM
Surr: Decachlorobiphenyl	S	35.0	5-159		%REC	1	4/4/2003 8:54:00 AM
Surr: Tetrachloro-m-xylene	S	15.0	35.2-147	S	%REC	1	4/4/2003 8:54:00 AM

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
T - Tentatively Identified Compound (TIC,concentration estimated)
DF - Dilution Factor

Qual: ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank
* - Exceeds Maximum Contaminant Level
S - Spike recovery outside recovery limits
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range
I - Matrix Interference

H - Analyte was prepared and/or analyzed outside of the analytical method holding time

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SIMALABS
INTERNATIONAL

ANALYTICAL RESULTS

Date: *Monday, April 07, 2003*

Client:	Environmental Quality Management, Inc.	***Client Project:***	OMC - Waukegan, IL
		Work Order:	ME0303623
Client Sample ID:	WP-302	***SIMALABS ID:***	ME0303623-02A
Sample Description:	WP-302		
Sample Matrix:	Wipe		
Collection Date:	03/27/03		
Date Received:	03/28/03		

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date / Time Analyzed
PCB'S	Method: **SW8082**		Prep Date/Time: **4/2/2003**				Analyst: **AS**
Aroclor 1016	A	*ND*	2.5		µg/Area	1	4/4/2003 11:51:00 AM
Aroclor 1221	A	*ND*	2.5		µg/Area	1	4/4/2003 11:51:00 AM
Aroclor 1232	A	*ND*	2.5		µg/Area	1	4/4/2003 11:51:00 AM
Aroclor 1242	A	*ND*	2.5		µg/Area	1	4/4/2003 11:51:00 AM
Aroclor 1248	A	*ND*	2.5		µg/Area	1	4/4/2003 11:51:00 AM
Aroclor 1254	A	*ND*	2.5		µg/Area	1	4/4/2003 11:51:00 AM
Aroclor 1260	A	*ND*	2.5		µg/Area	1	4/4/2003 11:51:00 AM
Aroclor 1262	A	*ND*	2.5		µg/Area	1	4/4/2003 11:51:00 AM
Aroclor 1268	A	*ND*	2.5		µg/Area	1	4/4/2003 11:51:00 AM
Surr: Decachlorobiphenyl	S	40.0	5-159		%REC	1	4/4/2003 11:51:00 AM
Surr: Tetrachloro-m-xylene	S	25.0	35.2-147	S	%REC	1	4/4/2003 11:51:00 AM

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
T - Tentatively Identified Compound (TIC,concentration estimated)
DF - Dilution Factor

Qual: ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank
* - Exceeds Maximum Contaminant Level
S - Spike recovery outside recovery limits
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range
I -Matrix Interference

H - Analyte was prepared and/or analyzed outside of the analytical method holding time

[illegible] TEL 800 536 8370 TEL 219 769 8378 FAX 219 769 1664

SIMALABS
INTERNATIONAL

ANALYTICAL RESULTS

Date: *Monday, April 07, 2003*

Client:	Environmental Quality Management, Inc.	***Client Project:***	OMC - Waukegan, IL
		Work Order:	ME0303623
Client Sample ID:	WP-303	***SIMALABS ID:***	ME0303623-03A
Sample Description:	WP-303		
Sample Matrix:	Wipe		
Collection Date:	03/27/03		
Date Received:	03/28/03		

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date / Time Analyzed
PCB'S	Method: **SW8082**		Prep Date/Time: **4/2/2003**				Analyst: **AS**
Aroclor 1016	A	*ND*	2.5		µg/Area	1	4/4/2003 12:22:00 PM
Aroclor 1221	A	*ND*	2.5		µg/Area	1	4/4/2003 12:22:00 PM
Aroclor 1232	A	*ND*	2.5		µg/Area	1	4/4/2003 12:22:00 PM
Aroclor 1242	A	*ND*	2.5		µg/Area	1	4/4/2003 12:22:00 PM
Aroclor 1248	A	*ND*	2.5		µg/Area	1	4/4/2003 12:22:00 PM
Aroclor 1254	A	*ND*	2.5		µg/Area	1	4/4/2003 12:22:00 PM
Aroclor 1260	A	*ND*	2.5		µg/Area	1	4/4/2003 12:22:00 PM
Aroclor 1262	A	*ND*	2.5		µg/Area	1	4/4/2003 12:22:00 PM
Aroclor 1268	A	*ND*	2.5		µg/Area	1	4/4/2003 12:22:00 PM
Surr: Decachlorobiphenyl	S	45.0	5-159		%REC	1	4/4/2003 12:22:00 PM
Surr: Tetrachloro-m-xylene	S	40.0	35.2-147		%REC	1	4/4/2003 12:22:00 PM

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
T - Tentatively Identified Compound (TIC,concentration estimated)
DF - Dilution Factor

Qual: ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank
* - Exceeds Maximum Contaminant Level
S - Spike recovery outside recovery limits
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range
I -Matrix Interference

H - Analyte was prepared and/or analyzed outside of the analytical method holding time

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SIMALABS
INTERNATIONAL

ANALYTICAL RESULTS

Date: *Monday, April 07, 2003*

Client:	Environmental Quality Management, Inc.	***Client Project:***	OMC - Waukegan, IL
		Work Order:	ME0303623
Client Sample ID:	WP-304	***SIMALABS ID:***	ME0303623-04A
Sample Description:	WP-304		
Sample Matrix:	Wipe		
Collection Date:	03/27/03		
Date Received:	03/28/03		

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date / Time Analyzed
PCB'S	Method: **SW8082**		Prep Date/Time: **4/2/2003**				Analyst: **AS**
Aroclor 1016	A	*ND*	2.5		µg/Area	1	4/4/2003 12:53:00 PM
Aroclor 1221	A	*ND*	2.5		µg/Area	1	4/4/2003 12:53:00 PM
Aroclor 1232	A	*ND*	2.5		µg/Area	1	4/4/2003 12:53:00 PM
Aroclor 1242	A	*3.5*	2.5		µg/Area	1	4/4/2003 12:53:00 PM
Aroclor 1248	A	*ND*	2.5		µg/Area	1	4/4/2003 12:53:00 PM
Aroclor 1254	A	*ND*	2.5		µg/Area	1	4/4/2003 12:53:00 PM
Aroclor 1260	A	*ND*	2.5		µg/Area	1	4/4/2003 12:53:00 PM
Aroclor 1262	A	*ND*	2.5		µg/Area	1	4/4/2003 12:53:00 PM
Aroclor 1268	A	*ND*	2.5		µg/Area	1	4/4/2003 12:53:00 PM
Surr: Decachlorobiphenyl	S	40.0	5-159		%REC	1	4/4/2003 12:53:00 PM
Surr: Tetrachloro-m-xylene	S	20.0	35.2-147	S	%REC	1	4/4/2003 12:53:00 PM

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
T - Tentatively Identified Compound (TIC,concentration estimated)
DF - Dilution Factor

Qual: ND - Not Detected at the Reporting Limit
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* - Exceeds Maximum Contaminant Level
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SD - Value diluted out
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E - Value above quantitation range
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SIMALABS
INTERNATIONAL

ANALYTICAL RESULTS

Date: *Monday, April 07, 2003*

Client:	Environmental Quality Management, Inc.	***Client Project:***	OMC - Waukegan, IL
		Work Order:	ME0303623
Client Sample ID:	WP-305	***SIMALABS ID:***	ME0303623-05A
Sample Description:	WP-305		
Sample Matrix:	Wipe		
Collection Date:	03/27/03		
Date Received:	03/28/03		

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date / Time Analyzed
PCB'S	Method: **SW8082**		Prep Date/Time: **4/2/2003**				Analyst: **AS**
Aroclor 1016	A	*ND*	2.5		µg/Area	1	4/4/2003 1:46:00 PM
Aroclor 1221	A	*ND*	2.5		µg/Area	1	4/4/2003 1:46:00 PM
Aroclor 1232	A	*ND*	2.5		µg/Area	1	4/4/2003 1:46:00 PM
Aroclor 1242	A	*4.2*	2.5		µg/Area	1	4/4/2003 1:46:00 PM
Aroclor 1248	A	*ND*	2.5		µg/Area	1	4/4/2003 1:46:00 PM
Aroclor 1254	A	*ND*	2.5		µg/Area	1	4/4/2003 1:46:00 PM
Aroclor 1260	A	*ND*	2.5		µg/Area	1	4/4/2003 1:46:00 PM
Aroclor 1262	A	*ND*	2.5		µg/Area	1	4/4/2003 1:46:00 PM
Aroclor 1268	A	*ND*	2.5		µg/Area	1	4/4/2003 1:46:00 PM
Surr: Decachlorobiphenyl	S	45.0	5-159		%REC	1	4/4/2003 1:46:00 PM
Surr: Tetrachloro-m-xylene	S	40.0	35.2-147		%REC	1	4/4/2003 1:46:00 PM

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
T - Tentatively Identified Compound (TIC,concentration estimated)
DF - Dilution Factor

Qual: ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank
*- Exceeds Maximum Contaminant Level
S - Spike recovery outside recovery limits
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range
I - Matrix Interference

H - Analyte was prepared and/or analyzed outside of the analytical method holding time

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SIMALABS
INTERNATIONAL

ANALYTICAL RESULTS

Date: *Monday, April 07, 2003*

Client:	Environmental Quality Management, Inc.	***Client Project:***	OMC - Waukegan, IL
		Work Order:	ME0303623
Client Sample ID:	WP-306	***SIMALABS ID:***	ME0303623-06A
Sample Description:	WP-306		
Sample Matrix:	Wipe		
Collection Date:	03/27/03		
Date Received:	03/28/03		

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date / Time Analyzed
PCB'S	Method: **SW8082**		Prep Date/Time: **4/2/2003**				Analyst: **AS**
Aroclor 1016	A	*ND*	2.5		µg/Area	1	4/4/2003 2:17:00 PM
Aroclor 1221	A	*ND*	2.5		µg/Area	1	4/4/2003 2:17:00 PM
Aroclor 1232	A	*ND*	2.5		µg/Area	1	4/4/2003 2:17:00 PM
Aroclor 1242	A	*ND*	2.5		µg/Area	1	4/4/2003 2:17:00 PM
Aroclor 1248	A	*ND*	2.5		µg/Area	1	4/4/2003 2:17:00 PM
Aroclor 1254	A	*ND*	2.5		µg/Area	1	4/4/2003 2:17:00 PM
Aroclor 1260	A	*ND*	2.5		µg/Area	1	4/4/2003 2:17:00 PM
Aroclor 1262	A	*ND*	2.5		µg/Area	1	4/4/2003 2:17:00 PM
Aroclor 1268	A	*ND*	2.5		µg/Area	1	4/4/2003 2:17:00 PM
Surr: Decachlorobiphenyl	S	40.0	5-159		%REC	1	4/4/2003 2:17:00 PM
Surr: Tetrachloro-m-xylene	S	20.0	35.2-147	S	%REC	1	4/4/2003 2:17:00 PM

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard; T - Tentatively Identified Compound (TIC,concentration estimated); DF - Dilution Factor

Qual: ND - Not Detected at the Reporting Limit; B - Detected in the associated Method Blank; * - Exceeds Maximum Contaminant Level; S - Spike recovery outside recovery limits; SD - Value diluted out; R - RPD outside accepted recovery limits; E - Value above quantitation range; I -Matrix Interference

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SIMALABS
INTERNATIONAL

ANALYTICAL RESULTS

Date: *Monday, April 07, 2003*

Client:	Environmental Quality Management, Inc.	***Client Project:***	OMC - Waukegan, IL
		Work Order:	ME0303623
Client Sample ID:	WP-307	***SIMALABS ID:***	ME0303623-07A
Sample Description:	WP-307		
Sample Matrix:	Wipe		
Collection Date:	03/27/03		
Date Received:	03/28/03		

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date / Time Analyzed
PCB'S	Method: **SW8082**		Prep Date/Time: **4/2/2003**				Analyst: **AS**
Aroclor 1016	A	*ND*	2.5		µg/Area	1	4/4/2003 11:11:00 AM
Aroclor 1221	A	*ND*	2.5		µg/Area	1	4/4/2003 11:11:00 AM
Aroclor 1232	A	*ND*	2.5		µg/Area	1	4/4/2003 11:11:00 AM
Aroclor 1242	A	*8.4*	2.5		µg/Area	1	4/4/2003 11:11:00 AM
Aroclor 1248	A	*ND*	2.5		µg/Area	1	4/4/2003 11:11:00 AM
Aroclor 1254	A	*ND*	2.5		µg/Area	1	4/4/2003 11:11:00 AM
Aroclor 1260	A	*ND*	2.5		µg/Area	1	4/4/2003 11:11:00 AM
Aroclor 1262	A	*ND*	2.5		µg/Area	1	4/4/2003 11:11:00 AM
Aroclor 1268	A	*ND*	2.5		µg/Area	1	4/4/2003 11:11:00 AM
Surr: Decachlorobiphenyl	S	45.0	5-159		%REC	1	4/4/2003 11:11:00 AM
Surr: Tetrachloro-m-xylene	S	25.0	35.2-147	S	%REC	1	4/4/2003 11:11:00 AM

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard; T - Tentatively Identified Compound (TIC,concentration estimated); DF - Dilution Factor

Qual: ND - Not Detected at the Reporting Limit; B - Detected in the associated Method Blank; * - Exceeds Maximum Contaminant Level; S - Spike recovery outside recovery limits; SD - Value diluted out; R - RPD outside accepted recovery limits; E - Value above quantitation range; I - Matrix Interference

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SIMALABS
INTERNATIONAL

ANALYTICAL RESULTS

Date: *Monday, April 07, 2003*

Client:	Environmental Quality Management, Inc.	***Client Project:***	OMC - Waukegan, IL
		Work Order:	ME0303623
Client Sample ID:	WP-308	***SIMALABS ID:***	ME0303623-08A
Sample Description:	WP-308		
Sample Matrix:	Wipe		
Collection Date:	03/27/03		
Date Received:	03/28/03		

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date / Time Analyzed
PCB'S	Method: **SW8082**		Prep Date/Time: **4/2/2003**				Analyst: **AS**
Aroclor 1016	A	***ND***	2.5		µg/Area	1	4/4/2003 11:39:00 AM
Aroclor 1221	A	***ND***	2.5		µg/Area	1	4/4/2003 11:39:00 AM
Aroclor 1232	A	***ND***	2.5		µg/Area	1	4/4/2003 11:39:00 AM
Aroclor 1242	A	***7.2***	2.5		µg/Area	1	4/4/2003 11:39:00 AM
Aroclor 1248	A	***ND***	2.5		µg/Area	1	4/4/2003 11:39:00 AM
Aroclor 1254	A	***ND***	2.5		µg/Area	1	4/4/2003 11:39:00 AM
Aroclor 1260	A	***ND***	2.5		µg/Area	1	4/4/2003 11:39:00 AM
Aroclor 1262	A	***ND***	2.5		µg/Area	1	4/4/2003 11:39:00 AM
Aroclor 1268	A	***ND***	2.5		µg/Area	1	4/4/2003 11:39:00 AM
Surr: Decachlorobiphenyl	S	45.0	5-159		%REC	1	4/4/2003 11:39:00 AM
Surr: Tetrachloro-m-xylene	S	25.0	35.2-147	S	%REC	1	4/4/2003 11:39:00 AM

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard; T - Tentatively Identified Compound (TIC,concentration estimated) — DF - Dilution Factor

Qual: ND - Not Detected at the Reporting Limit; B - Detected in the associated Method Blank; * - Exceeds Maximum Contaminant Level; S - Spike recovery outside recovery limits; SD - Value diluted out; R - RPD outside accepted recovery limits; E - Value above quantitation range; I - Matrix Interference

H - Analyte was prepared and/or analyzed outside of the analytical method holding time

SIMALABS
INTERNATIONAL

ANALYTICAL RESULTS

Date: *Monday, April 07, 2003*

Client:	Environmental Quality Management, Inc.	***Client Project:***	OMC - Waukegan, IL
		Work Order:	ME0303623
Client Sample ID:	WP-309	***SIMALABS ID:***	ME0303623-09A
Sample Description:	WP-309		
Sample Matrix:	Wipe		
Collection Date:	03/27/03		
Date Received:	03/28/03		

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date / Time Analyzed
PCB'S	Method: **SW8082**		Prep Date/Time: **4/2/2003**				Analyst: **AS**
Aroclor 1016	A	*ND*	2.5		µg/Area	1	4/4/2003 12:10:00 PM
Aroclor 1221	A	*ND*	2.5		µg/Area	1	4/4/2003 12:10:00 PM
Aroclor 1232	A	*ND*	2.5		µg/Area	1	4/4/2003 12:10:00 PM
Aroclor 1242	A	*7.3*	2.5		µg/Area	1	4/4/2003 12:10:00 PM
Aroclor 1248	A	*ND*	2.5		µg/Area	1	4/4/2003 12:10:00 PM
Aroclor 1254	A	*ND*	2.5		µg/Area	1	4/4/2003 12:10:00 PM
Aroclor 1260	A	*ND*	2.5		µg/Area	1	4/4/2003 12:10:00 PM
Aroclor 1262	A	*ND*	2.5		µg/Area	1	4/4/2003 12:10:00 PM
Aroclor 1268	A	*ND*	2.5		µg/Area	1	4/4/2003 12:10:00 PM
Surr: Decachlorobiphenyl	S	45.0	5-159		%REC	1	4/4/2003 12:10:00 PM
Surr: Tetrachloro-m-xylene	S	30.0	35.2-147	S	%REC	1	4/4/2003 12:10:00 PM

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
T - Tentatively Identified Compound (TIC,concentration estimated)
DF - Dilution Factor

Qual: ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank
* - Exceeds Maximum Contaminant Level
S - Spike recovery outside recovery limits
SD - Value diluted out
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SIMALABS

INTERNATIONAL

ANALYTICAL RESULTS

Date: *Monday, April 07, 2003*

Client:	Environmental Quality Management, Inc.	***Client Project:***	OMC - Waukegan, IL
		Work Order:	ME0303623
Client Sample ID:	WP-310	***SIMALABS ID:***	ME0303623-10A
Sample Description:	WP-310		
Sample Matrix:	Wipe		
Collection Date:	03/27/03		
Date Received:	03/28/03		

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date / Time Analyzed
PCB'S	Method: **SW8082**		Prep Date/Time: **4/2/2003**				Analyst: **AS**
Aroclor 1016	A	*ND*	25		µg/Area	10	4/3/2003 8:45:00 PM
Aroclor 1221	A	*ND*	25		µg/Area	10	4/3/2003 8:45:00 PM
Aroclor 1232	A	*ND*	25		µg/Area	10	4/3/2003 8:45:00 PM
Aroclor 1242	A	*ND*	25		µg/Area	10	4/3/2003 8:45:00 PM
Aroclor 1248	A	*ND*	25		µg/Area	10	4/3/2003 8:45:00 PM
Aroclor 1254	A	*ND*	25		µg/Area	10	4/3/2003 8:45:00 PM
Aroclor 1260	A	*ND*	25		µg/Area	10	4/3/2003 8:45:00 PM
Aroclor 1262	A	*ND*	25		µg/Area	10	4/3/2003 8:45:00 PM
Aroclor 1268	A	*ND*	25		µg/Area	10	4/3/2003 8:45:00 PM
Surr: Decachlorobiphenyl	S	0	5-159	S	%REC	10	4/3/2003 8:45:00 PM
Surr: Tetrachloro-m-xylene	S	50.0	35.2-147		%REC	10	4/3/2003 8:45:00 PM

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
T - Tentatively Identified Compound (TIC,concentration estimated)
DF - Dilution Factor

Qual: ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank
* - Exceeds Maximum Contaminant Level
S - Spike recovery outside recovery limits
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range
I - Matrix Interference

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SIMALABS
INTERNATIONAL

ANALYTICAL RESULTS

Date: *Monday, April 07, 2003*

Client:	Environmental Quality Management, Inc.	***Client Project:***	OMC - Waukegan, IL
		Work Order:	ME0303623
Client Sample ID:	WP-311	***SIMALABS ID:***	ME0303623-11A
Sample Description:	WP-311		
Sample Matrix:	Wipe		
Collection Date:	03/27/03		
Date Received:	03/28/03		

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date / Time Analyzed
PCB'S	Method: **SW8082**		Prep Date/Time: **4/2/2003**				Analyst: **AS**
Aroclor 1016	A	*ND*	2.5		µg/Area	1	4/4/2003 12:41:00 PM
Aroclor 1221	A	*ND*	2.5		µg/Area	1	4/4/2003 12:41:00 PM
Aroclor 1232	A	*ND*	2.5		µg/Area	1	4/4/2003 12:41:00 PM
Aroclor 1242	A	*2.6*	2.5		µg/Area	1	4/4/2003 12:41:00 PM
Aroclor 1248	A	*ND*	2.5		µg/Area	1	4/4/2003 12:41:00 PM
Aroclor 1254	A	*ND*	2.5		µg/Area	1	4/4/2003 12:41:00 PM
Aroclor 1260	A	*ND*	2.5		µg/Area	1	4/4/2003 12:41:00 PM
Aroclor 1262	A	*ND*	2.5		µg/Area	1	4/4/2003 12:41:00 PM
Aroclor 1268	A	*ND*	2.5		µg/Area	1	4/4/2003 12:41:00 PM
Surr: Decachlorobiphenyl	S	45.0	5-159		%REC	1	4/4/2003 12:41:00 PM
Surr: Tetrachloro-m-xylene	S	35.0	35.2-147	S	%REC	1	4/4/2003 12:41:00 PM

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
T - Tentatively Identified Compound (TIC,concentration estimated)

DF - Dilution Factor

Qual: ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank
*- *Exceeds Maximum Contaminant Level*

S - Spike recovery outside recovery limits
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range

I -Matrix Interference

H - Analyte was prepared and/or analyzed outside of the analytical method holding time

SIMALABS
INTERNATIONAL

ANALYTICAL RESULTS

Date: *Monday, April 07, 2003*

Client:	Environmental Quality Management, Inc.	***Client Project:***	OMC - Waukegan, IL
		Work Order:	ME0303623
Client Sample ID:	WP-312	***SIMALABS ID:***	ME0303623-12A
Sample Description:	WP-312		
Sample Matrix:	Wipe		
Collection Date:	03/27/03		
Date Received:	03/28/03		

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date / Time Analyzed
PCB'S	Method: **SW8082**		Prep Date/Time: **4/2/2003**				Analyst: **AS**
Aroclor 1016	A	***ND***	2.5		µg/Area	1	4/4/2003 1:43:00 PM
Aroclor 1221	A	***ND***	2.5		µg/Area	1	4/4/2003 1:43:00 PM
Aroclor 1232	A	***ND***	2.5		µg/Area	1	4/4/2003 1:43:00 PM
Aroclor 1242	A	***8.8***	2.5		µg/Area	1	4/4/2003 1:43:00 PM
Aroclor 1248	A	***ND***	2.5		µg/Area	1	4/4/2003 1:43:00 PM
Aroclor 1254	A	***ND***	2.5		µg/Area	1	4/4/2003 1:43:00 PM
Aroclor 1260	A	***ND***	2.5		µg/Area	1	4/4/2003 1:43:00 PM
Aroclor 1262	A	***ND***	2.5		µg/Area	1	4/4/2003 1:43:00 PM
Aroclor 1268	A	***ND***	2.5		µg/Area	1	4/4/2003 1:43:00 PM
Surr: Decachlorobiphenyl	S	40.0	5-159		%REC	1	4/4/2003 1:43:00 PM
Surr: Tetrachloro-m-xylene	S	25.0	35.2-147	S	%REC	1	4/4/2003 1:43:00 PM

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
T - Tentatively Identified Compound (TIC,concentration estimated)
DF - Dilution Factor

Qual: ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank
* - Exceeds Maximum Contaminant Level
S - Spike recovery outside recovery limits
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range
I - Matrix Interference

H - Analyte was prepared and/or analyzed outside of the analytical method holding time

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SIMALABS
INTERNATIONAL

ANALYTICAL RESULTS

Date: *Monday, April 07, 2003*

Client:	Environmental Quality Management, Inc.	***Client Project:***	OMC - Waukegan, IL
		Work Order:	ME0303623
Client Sample ID:	WP-313	***SIMALABS ID:***	ME0303623-13A
Sample Description:	WP-313		
Sample Matrix:	Wipe		
Collection Date:	03/27/03		
Date Received:	03/28/03		

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date / Time Analyzed
PCB'S	Method: **SW8082**		Prep Date/Time: **4/2/2003**				Analyst: **AS**
Aroclor 1016	A	*ND*	25		µg/Area	10	4/4/2003 12:21:00 AM
Aroclor 1221	A	*ND*	25		µg/Area	10	4/4/2003 12:21:00 AM
Aroclor 1232	A	*ND*	25		µg/Area	10	4/4/2003 12:21:00 AM
Aroclor 1242	A	*30*	25		µg/Area	10	4/4/2003 12:21:00 AM
Aroclor 1248	A	*ND*	25		µg/Area	10	4/4/2003 12:21:00 AM
Aroclor 1254	A	*ND*	25		µg/Area	10	4/4/2003 12:21:00 AM
Aroclor 1260	A	*ND*	25		µg/Area	10	4/4/2003 12:21:00 AM
Aroclor 1262	A	*ND*	25		µg/Area	10	4/4/2003 12:21:00 AM
Aroclor 1268	A	*ND*	25		µg/Area	10	4/4/2003 12:21:00 AM
Surr: Decachlorobiphenyl	S	0	5-159	S	%REC	10	4/4/2003 12:21:00 AM
Surr: Tetrachloro-m-xylene	S	50.0	35.2-147		%REC	10	4/4/2003 12:21:00 AM

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
T - Tentatively Identified Compound (TIC,concentration estimated)
DF - Dilution Factor

Qual: ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank
* - Exceeds Maximum Contaminant Level
S - Spike recovery outside recovery limits
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range
I -Matrix Interference

H - Analyte was prepared and/or analyzed outside of the analytical method holding time

250 West 84th Drive, Merrillville, IN 46410 TEL 800 536 8379 TEL 219 769 8378 FAX 219 769 1664

SIMALABS

INTERNATIONAL

ANALYTICAL RESULTS

Date: *Monday, April 07, 2003*

Client:	Environmental Quality Management, Inc.	***Client Project:***	OMC - Waukegan, IL
		Work Order:	ME0303623
Client Sample ID:	WP-314	***SIMALABS ID:***	ME0303623-14A
Sample Description:	WP-314		
Sample Matrix:	Wipe		
Collection Date:	03/27/03		
Date Received:	03/28/03		

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date / Time Analyzed
PCB'S	Method: **SW8082**		Prep Date/Time: **4/2/2003**				Analyst: **AS**
Aroclor 1016	A	*ND*	25		µg/Area	10	4/4/2003 12:51:00 AM
Aroclor 1221	A	*ND*	25		µg/Area	10	4/4/2003 12:51:00 AM
Aroclor 1232	A	*ND*	25		µg/Area	10	4/4/2003 12:51:00 AM
Aroclor 1242	A	*64*	25		µg/Area	10	4/4/2003 12:51:00 AM
Aroclor 1248	A	*ND*	25		µg/Area	10	4/4/2003 12:51:00 AM
Aroclor 1254	A	*ND*	25		µg/Area	10	4/4/2003 12:51:00 AM
Aroclor 1260	A	*ND*	25		µg/Area	10	4/4/2003 12:51:00 AM
Aroclor 1262	A	*ND*	25		µg/Area	10	4/4/2003 12:51:00 AM
Aroclor 1268	A	*ND*	25		µg/Area	10	4/4/2003 12:51:00 AM
Surr: Decachlorobiphenyl	S	0	5-159	S	%REC	10	4/4/2003 12:51:00 AM
Surr: Tetrachloro-m-xylene	S	50.0	35.2-147		%REC	10	4/4/2003 12:51:00 AM

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
T - Tentatively Identified Compound (TIC,concentration estimated)
DF - Dilution Factor

Qual: ND - Not Detected at the Reporting Limit
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*- Exceeds Maximum Contaminant Level
S - Spike recovery outside recovery limits
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range
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SIMALABS
INTERNATIONAL

ANALYTICAL RESULTS

Date: *Monday, April 07, 2003*

Client:	Environmental Quality Management, Inc.	***Client Project:***	OMC - Waukegan, IL
		Work Order:	ME0303623
Client Sample ID:	WP-315	***SIMALABS ID:***	ME0303623-15A
Sample Description:	WP-315		
Sample Matrix:	Wipe		
Collection Date:	03/27/03		
Date Received:	03/28/03		

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date / Time Analyzed
PCB'S	Method: **SW8082**		Prep Date/Time: **4/2/2003**				Analyst: **AS**
Aroclor 1016	A	ND	25		µg/Area	10	4/4/2003 1:22:00 AM
Aroclor 1221	A	ND	25		µg/Area	10	4/4/2003 1:22:00 AM
Aroclor 1232	A	ND	25		µg/Area	10	4/4/2003 1:22:00 AM
Aroclor 1242	A	ND	25		µg/Area	10	4/4/2003 1:22:00 AM
Aroclor 1248	A	ND	25		µg/Area	10	4/4/2003 1:22:00 AM
Aroclor 1254	A	ND	25		µg/Area	10	4/4/2003 1:22:00 AM
Aroclor 1260	A	ND	25		µg/Area	10	4/4/2003 1:22:00 AM
Aroclor 1262	A	ND	25		µg/Area	10	4/4/2003 1:22:00 AM
Aroclor 1268	A	ND	25		µg/Area	10	4/4/2003 1:22:00 AM
Surr: Decachlorobiphenyl	S	50.0	5-159		%REC	10	4/4/2003 1:22:00 AM
Surr: Tetrachloro-m-xylene	S	50.0	35.2-147		%REC	10	4/4/2003 1:22:00 AM

Samp Type: A - Analyte; S - Surrogate, I - Internal Standard
T - Tentatively Identified Compound (TIC,concentration estimated)
DF - Dilution Factor

Qual: ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank
* - Exceeds Maximum Contaminant Level
S - Spike recovery outside recovery limits
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range
I -Matrix Interference

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SIMALABS
INTERNATIONAL

ANALYTICAL RESULTS

Date: *Monday, April 07, 2003*

Client:	Environmental Quality Management, Inc.	***Client Project:***	OMC - Waukegan, IL
		Work Order:	ME0303623
Client Sample ID:	WP-316	***SIMALABS ID:***	ME0303623-16A
Sample Description:	WP-316		
Sample Matrix:	Wipe		
Collection Date:	03/27/03		
Date Received:	03/28/03		

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date / Time Analyzed
PCB'S	Method: **SW8082**		Prep Date/Time: **4/2/2003**				Analyst: **AS**
Aroclor 1016	A	***ND***	25		µg/Area	10	4/4/2003 1:53:00 AM
Aroclor 1221	A	***ND***	25		µg/Area	10	4/4/2003 1:53:00 AM
Aroclor 1232	A	***ND***	25		µg/Area	10	4/4/2003 1:53:00 AM
Aroclor 1242	A	***31***	25		µg/Area	10	4/4/2003 1:53:00 AM
Aroclor 1248	A	***ND***	25		µg/Area	10	4/4/2003 1:53:00 AM
Aroclor 1254	A	***ND***	25		µg/Area	10	4/4/2003 1:53:00 AM
Aroclor 1260	A	***ND***	25		µg/Area	10	4/4/2003 1:53:00 AM
Aroclor 1262	A	***ND***	25		µg/Area	10	4/4/2003 1:53:00 AM
Aroclor 1268	A	***ND***	25		µg/Area	10	4/4/2003 1:53:00 AM
Surr: Decachlorobiphenyl	S	0	5-159	S	%REC	10	4/4/2003 1:53:00 AM
Surr: Tetrachloro-m-xylene	S	50.0	35.2-147		%REC	10	4/4/2003 1:53:00 AM

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
T - Tentatively Identified Compound (TIC,concentration estimated)

DF - Dilution Factor

Qual: ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank
* - Exceeds Maximum Contaminant Level

S - Spike recovery outside recovery limits
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range

I - Matrix Interference

H - Analyte was prepared and/or analyzed outside of the analytical method holding time

SIMALABS
INTERNATIONAL

ANALYTICAL RESULTS

Date: *Monday, April 07, 2003*

Client:	Environmental Quality Management, Inc.	***Client Project:***	OMC - Waukegan, IL
		Work Order:	ME0303623
Client Sample ID:	WP-317	***SIMALABS ID:***	ME0303623-17A
Sample Description:	WP-317		
Sample Matrix:	Wipe		
Collection Date:	03/27/03		
Date Received:	03/28/03		

PCB'S Method: **SW8082** Prep Date/Time: **4/2/2003** Analyst: **AS**

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date / Time Analyzed
Aroclor 1016	A	ND	2.5		µg/Area	1	4/4/2003 2:14:00 PM
Aroclor 1221	A	ND	2.5		µg/Area	1	4/4/2003 2:14:00 PM
Aroclor 1232	A	ND	2.5		µg/Area	1	4/4/2003 2:14:00 PM
Aroclor 1242	A	9.6	2.5		µg/Area	1	4/4/2003 2:14:00 PM
Aroclor 1248	A	ND	2.5		µg/Area	1	4/4/2003 2:14:00 PM
Aroclor 1254	A	ND	2.5		µg/Area	1	4/4/2003 2:14:00 PM
Aroclor 1260	A	ND	2.5		µg/Area	1	4/4/2003 2:14:00 PM
Aroclor 1262	A	ND	2.5		µg/Area	1	4/4/2003 2:14:00 PM
Aroclor 1268	A	ND	2.5		µg/Area	1	4/4/2003 2:14:00 PM
Surr: Decachlorobiphenyl	S	50.0	5-159		%REC	1	4/4/2003 2:14:00 PM
Surr: Tetrachloro-m-xylene	S	30.0	35.2-147	S	%REC	1	4/4/2003 2:14:00 PM

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
T - Tentatively Identified Compound (TIC,concentration estimated)

DF - Dilution Factor

Qual: ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank
* - Exceeds Maximum Contaminant Level

S - Spike recovery outside recovery limits
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range

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SIMALABS
INTERNATIONAL

ANALYTICAL RESULTS

Date: *Monday, April 07, 2003*

Client:	Environmental Quality Management, Inc.	***Client Project:***	OMC - Waukegan, IL
		Work Order:	ME0303623
Client Sample ID:	WP-318	***SIMALABS ID:***	ME0303623-18A
Sample Description:	WP-318		
Sample Matrix:	Wipe		
Collection Date:	03/27/03		
Date Received:	03/28/03		

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date / Time Analyzed
PCB'S	Method: SW8082		Prep Date/Time: 4/2/2003				Analyst: AS
Aroclor 1016	A	ND	2.5		µg/Area	1	4/4/2003 2:45:00 PM
Aroclor 1221	A	ND	2.5		µg/Area	1	4/4/2003 2:45:00 PM
Aroclor 1232	A	ND	2.5		µg/Area	1	4/4/2003 2:45:00 PM
Aroclor 1242	A	30	2.5		µg/Area	1	4/4/2003 2:45:00 PM
Aroclor 1248	A	ND	2.5		µg/Area	1	4/4/2003 2:45:00 PM
Aroclor 1254	A	ND	2.5		µg/Area	1	4/4/2003 2:45:00 PM
Aroclor 1260	A	ND	2.5		µg/Area	1	4/4/2003 2:45:00 PM
Aroclor 1262	A	ND	2.5		µg/Area	1	4/4/2003 2:45:00 PM
Aroclor 1268	A	ND	2.5		µg/Area	1	4/4/2003 2:45:00 PM
Surr: Decachlorobiphenyl	S	45.0	5-159		%REC	1	4/4/2003 2:45:00 PM
Surr: Tetrachloro-m-xylene	S	30.0	35.2-147	S	%REC	1	4/4/2003 2:45:00 PM

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
T - Tentatively Identified Compound (TIC,concentration estimated)
DF - Dilution Factor

Qual: ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank
* - Exceeds Maximum Contaminant Level
S - Spike recovery outside recovery limits
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range
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SIMALABS
INTERNATIONAL

ANALYTICAL RESULTS

Date: *Monday, April 07, 2003*

Client:	Environmental Quality Management, Inc.	***Client Project:***	OMC - Waukegan, IL
		Work Order:	ME0303623
Client Sample ID:	WP-319	***SIMALABS ID:***	ME0303623-19A
Sample Description:	WP-319		
Sample Matrix:	Wipe		
Collection Date:	03/27/03		
Date Received:	03/28/03		

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date / Time Analyzed
PCB'S	Method: **SW8082**		Prep Date/Time: **4/2/2003**				Analyst: **AS**
Aroclor 1016	A	ND	25		µg/Area	10	4/4/2003 3:25:00 AM
Aroclor 1221	A	ND	25		µg/Area	10	4/4/2003 3:25:00 AM
Aroclor 1232	A	ND	25		µg/Area	10	4/4/2003 3:25:00 AM
Aroclor 1242	A	ND	25		µg/Area	10	4/4/2003 3:25:00 AM
Aroclor 1248	A	ND	25		µg/Area	10	4/4/2003 3:25:00 AM
Aroclor 1254	A	ND	25		µg/Area	10	4/4/2003 3:25:00 AM
Aroclor 1260	A	ND	25		µg/Area	10	4/4/2003 3:25:00 AM
Aroclor 1262	A	ND	25		µg/Area	10	4/4/2003 3:25:00 AM
Aroclor 1268	A	ND	25		µg/Area	10	4/4/2003 3:25:00 AM
Surr: Decachlorobiphenyl	S	0	5-159	S	%REC	10	4/4/2003 3:25:00 AM
Surr: Tetrachloro-m-xylene	S	50.0	35.2-147		%REC	10	4/4/2003 3:25:00 AM

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
T - Tentatively Identified Compound (TIC,concentration estimated)
DF - Dilution Factor

Qual: ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank
* - Exceeds Maximum Contaminant Level
S - Spike recovery outside recovery limits
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range
I - Matrix Interference

H - Analyte was prepared and/or analyzed outside of the analytical method holding time

SIMALABS
INTERNATIONAL

ANALYTICAL RESULTS

Date: *Monday, April 07, 2003*

Client:	Environmental Quality Management, Inc.	***Client Project:***	OMC - Waukegan, IL
		Work Order:	ME0303623
Client Sample ID:	WP-320	***SIMALABS ID:***	ME0303623-20A
Sample Description:	WP-320		
Sample Matrix:	Wipe		
Collection Date:	03/27/03		
Date Received:	03/28/03		

PCB'S Method: **SW8082** Prep Date/Time: **4/2/2003** Analyst: **AS**

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date / Time Analyzed
Aroclor 1016	A	*ND*	25		µg/Area	10	4/4/2003 3:56:00 AM
Aroclor 1221	A	*ND*	25		µg/Area	10	4/4/2003 3:56:00 AM
Aroclor 1232	A	*ND*	25		µg/Area	10	4/4/2003 3:56:00 AM
Aroclor 1242	A	*28*	25		µg/Area	10	4/4/2003 3:56:00 AM
Aroclor 1248	A	*ND*	25		µg/Area	10	4/4/2003 3:56:00 AM
Aroclor 1254	A	*ND*	25		µg/Area	10	4/4/2003 3:56:00 AM
Aroclor 1260	A	*ND*	25		µg/Area	10	4/4/2003 3:56:00 AM
Aroclor 1262	A	*ND*	25		µg/Area	10	4/4/2003 3:56:00 AM
Aroclor 1268	A	*ND*	25		µg/Area	10	4/4/2003 3:56:00 AM
Surr: Decachlorobiphenyl	S	0	5-159	S	%REC	10	4/4/2003 3:56:00 AM
Surr: Tetrachloro-m-xylene	S	50.0	35.2-147		%REC	10	4/4/2003 3:56:00 AM

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
T - Tentatively Identified Compound (TIC,concentration estimated)
DF - Dilution Factor

Qual:
ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank
* - Exceeds Maximum Contaminant Level
S - Spike recovery outside recovery limits
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range
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SIMALABS
INTERNATIONAL

ANALYTICAL RESULTS

Date: *Monday, April 07, 2003*

Client:	Environmental Quality Management, Inc.	***Client Project:***	OMC - Waukegan, IL
		Work Order:	ME0303623
Client Sample ID:	WP-321	***SIMALABS ID:***	ME0303623-21A
Sample Description:	WP-321		
Sample Matrix:	Wipe		
Collection Date:	03/27/03		
Date Received:	03/28/03		

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date / Time Analyzed
PCB'S	Method: **SW8082**		Prep Date/Time: **4/2/2003**				Analyst: **AS**
Aroclor 1016	A	*ND*	2.5		µg/Area	1	4/4/2003 2:43:00 PM
Aroclor 1221	A	*ND*	2.5		µg/Area	1	4/4/2003 2:43:00 PM
Aroclor 1232	A	*ND*	2.5		µg/Area	1	4/4/2003 2:43:00 PM
Aroclor 1242	A	*ND*	2.5		µg/Area	1	4/4/2003 2:43:00 PM
Aroclor 1248	A	*ND*	2.5		µg/Area	1	4/4/2003 2:43:00 PM
Aroclor 1254	A	*ND*	2.5		µg/Area	1	4/4/2003 2:43:00 PM
Aroclor 1260	A	*ND*	2.5		µg/Area	1	4/4/2003 2:43:00 PM
Aroclor 1262	A	*ND*	2.5		µg/Area	1	4/4/2003 2:43:00 PM
Aroclor 1268	A	*ND*	2.5		µg/Area	1	4/4/2003 2:43:00 PM
Surr: Decachlorobiphenyl	S	35.0	5-159		%REC	1	4/4/2003 2:43:00 PM
Surr: Tetrachloro-m-xylene	S	35.0	35.2-147	S	%REC	1	4/4/2003 2:43:00 PM

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
T - Tentatively Identified Compound (TIC,concentration estimated)
DF - Dilution Factor

Qual: ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank
* - Exceeds Maximum Contaminant Level
S - Spike recovery outside recovery limits
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range
I -Matrix Interference

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SIMALABS
INTERNATIONAL

ANALYTICAL RESULTS

Date: *Monday, April 07, 2003*

Client:	Environmental Quality Management, Inc.	***Client Project:***	OMC - Waukegan, IL
		Work Order:	ME0303623
Client Sample ID:	WP-322	***SIMALABS ID:***	ME0303623-22A
Sample Description:	WP-322		
Sample Matrix:	Wipe		
Collection Date:	03/27/03		
Date Received:	03/28/03		

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date / Time Analyzed
PCB'S	Method: SW8082		Prep Date/Time: 4/2/2003				Analyst: AS
Aroclor 1016	A	ND	25		µg/Area	10	4/4/2003 2:18:00 AM
Aroclor 1221	A	ND	25		µg/Area	10	4/4/2003 2:18:00 AM
Aroclor 1232	A	ND	25		µg/Area	10	4/4/2003 2:18:00 AM
Aroclor 1242	A	ND	25		µg/Area	10	4/4/2003 2:18:00 AM
Aroclor 1248	A	ND	25		µg/Area	10	4/4/2003 2:18:00 AM
Aroclor 1254	A	ND	25		µg/Area	10	4/4/2003 2:18:00 AM
Aroclor 1260	A	ND	25		µg/Area	10	4/4/2003 2:18:00 AM
Aroclor 1262	A	ND	25		µg/Area	10	4/4/2003 2:18:00 AM
Aroclor 1268	A	ND	25		µg/Area	10	4/4/2003 2:18:00 AM
Surr: Decachlorobiphenyl	S	50.0	5-159		%REC	10	4/4/2003 2:18:00 AM
Surr: Tetrachloro-m-xylene	S	50.0	35.2-147		%REC	10	4/4/2003 2:18:00 AM

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
T - Tentatively Identified Compound (TIC,concentration estimated)
DF - Dilution Factor

Qual: ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank
* - Exceeds Maximum Contaminant Level
S - Spike recovery outside recovery limits
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range
I - Matrix Interference

H - Analyte was prepared and/or analyzed outside of the analytical method holding time

SIMALABS
INTERNATIONAL

ANALYTICAL RESULTS

Date: *Monday, April 07, 2003*

Client:	Environmental Quality Management, Inc.	***Client Project:***	OMC - Waukegan, IL
		Work Order:	ME0303623
Client Sample ID:	WP-323	***SIMALABS ID:***	ME0303623-23A
Sample Description:	WP-323		
Sample Matrix:	Wipe		
Collection Date:	03/27/03		
Date Received:	03/28/03		

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date / Time Analyzed
PCB'S	Method: SW8082		Prep Date/Time: 4/2/2003				Analyst: AS
Aroclor 1016	A	ND	25		µg/Area	10	4/4/2003 2:49:00 AM
Aroclor 1221	A	ND	25		µg/Area	10	4/4/2003 2:49:00 AM
Aroclor 1232	A	ND	25		µg/Area	10	4/4/2003 2:49:00 AM
Aroclor 1242	A	ND	25		µg/Area	10	4/4/2003 2:49:00 AM
Aroclor 1248	A	ND	25		µg/Area	10	4/4/2003 2:49:00 AM
Aroclor 1254	A	ND	25		µg/Area	10	4/4/2003 2:49:00 AM
Aroclor 1260	A	ND	25		µg/Area	10	4/4/2003 2:49:00 AM
Aroclor 1262	A	ND	25		µg/Area	10	4/4/2003 2:49:00 AM
Aroclor 1268	A	ND	25		µg/Area	10	4/4/2003 2:49:00 AM
Surr: Decachlorobiphenyl	S	0	5-159	S	%REC	10	4/4/2003 2:49:00 AM
Surr: Tetrachloro-m-xylene	S	50.0	35.2-147		%REC	10	4/4/2003 2:49:00 AM

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
T - Tentatively Identified Compound (TIC,concentration estimated)
DF - Dilution Factor

Qual: ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank
* - Exceeds Maximum Contaminant Level
S - Spike recovery outside recovery limits
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range
I - Matrix Interference

H - Analyte was prepared and/or analyzed outside of the analytical method holding time

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S·I·M·A·L·A·B·S

INTERNATIONAL

ANALYTICAL RESULTS

Date: *Monday, April 07, 2003*

Client:	Environmental Quality Management, Inc.	***Client Project:***	OMC - Waukegan, IL
		Work Order:	ME0303623
Client Sample ID:	WP-324	***SIMALABS ID:***	ME0303623-24A
Sample Description:	WP-324		
Sample Matrix:	Wipe		
Collection Date:	03/27/03		
Date Received:	03/28/03		

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date / Time Analyzed
PCB'S	Method: **SW8082**		Prep Date/Time: **4/2/2003**				Analyst: **AS**
Aroclor 1016	A	*ND*	25		µg/Area	10	4/4/2003 3:20:00 AM
Aroclor 1221	A	*ND*	25		µg/Area	10	4/4/2003 3:20:00 AM
Aroclor 1232	A	*ND*	25		µg/Area	10	4/4/2003 3:20:00 AM
Aroclor 1242	A	*ND*	25		µg/Area	10	4/4/2003 3:20:00 AM
Aroclor 1248	A	*ND*	25		µg/Area	10	4/4/2003 3:20:00 AM
Aroclor 1254	A	*ND*	25		µg/Area	10	4/4/2003 3:20:00 AM
Aroclor 1260	A	*ND*	25		µg/Area	10	4/4/2003 3:20:00 AM
Aroclor 1262	A	*ND*	25		µg/Area	10	4/4/2003 3:20:00 AM
Aroclor 1268	A	*ND*	25		µg/Area	10	4/4/2003 3:20:00 AM
Surr: Decachlorobiphenyl	S	0	5-159	S	%REC	10	4/4/2003 3:20:00 AM
Surr: Tetrachloro-m-xylene	S	100	35.2-147		%REC	10	4/4/2003 3:20:00 AM

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
T - Tentatively Identified Compound (TIC,concentration estimated)

DF - Dilution Factor

Qual: ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank
* - Exceeds Maximum Contaminant Level

S - Spike recovery outside recovery limits
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range

I - Matrix Interference

H - Analyte was prepared and/or analyzed outside of the analytical method holding time

SIMALABS
INTERNATIONAL

ANALYTICAL RESULTS

Date: *Monday, April 07, 2003*

Client:	Environmental Quality Management, Inc.	***Client Project:***	OMC - Waukegan, IL
		Work Order:	ME0303623
Client Sample ID:	WP-325	***SIMALABS ID:***	ME0303623-25A
Sample Description:	WP-325		
Sample Matrix:	Wipe		
Collection Date:	03/27/03		
Date Received:	03/28/03		

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date / Time Analyzed
PCB'S	Method: **SW8082**		Prep Date/Time: **4/2/2003**				Analyst: **AS**
Aroclor 1016	A	*ND*	2.5		µg/Area	1	4/4/2003 3:14:00 PM
Aroclor 1221	A	*ND*	2.5		µg/Area	1	4/4/2003 3:14:00 PM
Aroclor 1232	A	*ND*	2.5		µg/Area	1	4/4/2003 3:14:00 PM
Aroclor 1242	A	*ND*	2.5		µg/Area	1	4/4/2003 3:14:00 PM
Aroclor 1248	A	*ND*	2.5		µg/Area	1	4/4/2003 3:14:00 PM
Aroclor 1254	A	*ND*	2.5		µg/Area	1	4/4/2003 3:14:00 PM
Aroclor 1260	A	*ND*	2.5		µg/Area	1	4/4/2003 3:14:00 PM
Aroclor 1262	A	*ND*	2.5		µg/Area	1	4/4/2003 3:14:00 PM
Aroclor 1268	A	*ND*	2.5		µg/Area	1	4/4/2003 3:14:00 PM
Surr: Decachlorobiphenyl	S	35.0	5-159		%REC	1	4/4/2003 3:14:00 PM
Surr: Tetrachloro-m-xylene	S	25.0	35.2-147	S	%REC	1	4/4/2003 3:14:00 PM

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
T - Tentatively Identified Compound (TIC,concentration estimated)
DF - Dilution Factor

Qual: ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank
* - Exceeds Maximum Contaminant Level
S - Spike recovery outside recovery limits
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range
I -Matrix Interference

H - Analyte was prepared and/or analyzed outside of the analytical method holding time

TEL 219 769 8378 FAX 219 769 1664

SIMALABS
INTERNATIONAL

ANALYTICAL RESULTS

Date: *Monday, April 07, 2003*

Client:	Environmental Quality Management, Inc.	***Client Project:***	OMC - Waukegan, IL
		Work Order:	ME0303623
Client Sample ID:	WP-326	***SIMALABS ID:***	ME0303623-26A
Sample Description:	WP-326		
Sample Matrix:	Wipe		
Collection Date:	03/27/03		
Date Received:	03/28/03		

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date / Time Analyzed
PCB'S	Method: **SW8082**		Prep Date/Time: **4/2/2003**				Analyst: **AS**
Aroclor 1016	A	*ND*	2.5		µg/Area	1	4/4/2003 3:45:00 PM
Aroclor 1221	A	*ND*	2.5		µg/Area	1	4/4/2003 3:45:00 PM
Aroclor 1232	A	*ND*	2.5		µg/Area	1	4/4/2003 3:45:00 PM
Aroclor 1242	A	*ND*	2.5		µg/Area	1	4/4/2003 3:45:00 PM
Aroclor 1248	A	*ND*	2.5		µg/Area	1	4/4/2003 3:45:00 PM
Aroclor 1254	A	*ND*	2.5		µg/Area	1	4/4/2003 3:45:00 PM
Aroclor 1260	A	*ND*	2.5		µg/Area	1	4/4/2003 3:45:00 PM
Aroclor 1262	A	*ND*	2.5		µg/Area	1	4/4/2003 3:45:00 PM
Aroclor 1268	A	*ND*	2.5		µg/Area	1	4/4/2003 3:45:00 PM
Surr: Decachlorobiphenyl	S	40.0	5-159		%REC	1	4/4/2003 3:45:00 PM
Surr: Tetrachloro-m-xylene	S	20.0	35.2-147	S	%REC	1	4/4/2003 3:45:00 PM

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
T - Tentatively Identified Compound (TIC,concentration estimated)
DF - Dilution Factor

Qual: ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank
* - Exceeds Maximum Contaminant Level
S - Spike recovery outside recovery limits
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range
I -Matrix Interference

H - Analyte was prepared and/or analyzed outside of the analytical method holding time

SIMALABS
INTERNATIONAL

ANALYTICAL RESULTS

Date: *Monday, April 07, 2003*

Client:	Environmental Quality Management, Inc.	***Client Project:***	OMC - Waukegan, IL
		Work Order:	ME0303623
Client Sample ID:	WP-327	***SIMALABS ID:***	ME0303623-27A
Sample Description:	WO-327		
Sample Matrix:	Wipe		
Collection Date:	03/27/03		
Date Received:	03/28/03		

PCB'S Method: **SW8082** Prep Date/Time: **4/2/2003** Analyst: **AS**

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date / Time Analyzed
Aroclor 1016	A	ND	25		µg/Area	10	4/4/2003 4:53:00 AM
Aroclor 1221	A	ND	25		µg/Area	10	4/4/2003 4:53:00 AM
Aroclor 1232	A	ND	25		µg/Area	10	4/4/2003 4:53:00 AM
Aroclor 1242	A	33	25		µg/Area	10	4/4/2003 4:53:00 AM
Aroclor 1248	A	ND	25		µg/Area	10	4/4/2003 4:53:00 AM
Aroclor 1254	A	ND	25		µg/Area	10	4/4/2003 4:53:00 AM
Aroclor 1260	A	ND	25		µg/Area	10	4/4/2003 4:53:00 AM
Aroclor 1262	A	ND	25		µg/Area	10	4/4/2003 4:53:00 AM
Aroclor 1268	A	ND	25		µg/Area	10	4/4/2003 4:53:00 AM
Surr: Decachlorobiphenyl	S	0	5-159	S	%REC	10	4/4/2003 4:53:00 AM
Surr: Tetrachloro-m-xylene	S	50.0	35.2-147		%REC	10	4/4/2003 4:53:00 AM

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
T - Tentatively Identified Compound (TIC,concentration estimated)

DF - Dilution Factor

Qual: ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank
* - Exceeds Maximum Contaminant Level

S - Spike recovery outside recovery limits
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range

I - Matrix Interference

H - Analyte was prepared and/or analyzed outside of the analytical method holding time

250 West 84th Drive. Merrillville. IN 46410 TEL 800 536 8379 TEL 219 769 8378 FAX 219 769 1664

SIMALABS
INTERNATIONAL

ANALYTICAL RESULTS

Date: *Monday, April 07, 2003*

Client:	Environmental Quality Management, Inc.	***Client Project:***	OMC - Waukegan, IL
		Work Order:	ME0303623
Client Sample ID:	WP-328	***SIMALABS ID:***	ME0303623-28A
Sample Description:	WP-328		
Sample Matrix:	Wipe		
Collection Date:	03/27/03		
Date Received:	03/28/03		

Analyses	Samp Type	Result	Reporting Limit	Qual	Units	DF	Date / Time Analyzed
PCB'S	Method: **SW8082**		Prep Date/Time: **4/2/2003**				Analyst: **AS**
Aroclor 1016	A	*ND*	25		µg/Area	10	4/4/2003 5:24:00 AM
Aroclor 1221	A	*ND*	25		µg/Area	10	4/4/2003 5:24:00 AM
Aroclor 1232	A	*ND*	25		µg/Area	10	4/4/2003 5:24:00 AM
Aroclor 1242	A	*ND*	25		µg/Area	10	4/4/2003 5:24:00 AM
Aroclor 1248	A	*ND*	25		µg/Area	10	4/4/2003 5:24:00 AM
Aroclor 1254	A	*ND*	25		µg/Area	10	4/4/2003 5:24:00 AM
Aroclor 1260	A	*ND*	25		µg/Area	10	4/4/2003 5:24:00 AM
Aroclor 1262	A	*ND*	25		µg/Area	10	4/4/2003 5:24:00 AM
Aroclor 1268	A	*ND*	25		µg/Area	10	4/4/2003 5:24:00 AM
Surr: Decachlorobiphenyl	S	0	5-159	S	%REC	10	4/4/2003 5:24:00 AM
Surr: Tetrachloro-m-xylene	S	50.0	35.2-147		%REC	10	4/4/2003 5:24:00 AM

Samp Type: A - Analyte, S - Surrogate, I - Internal Standard
T - Tentatively Identified Compound (TIC,concentration estimated)
DF - Dilution Factor

Qual: ND - Not Detected at the Reporting Limit
B - Detected in the associated Method Blank
* - Exceeds *Maximum Contaminant Level*
S - Spike recovery outside recovery limits
SD - Value diluted out
R - RPD outside accepted recovery limits
E - Value above quantitation range
I -Matrix Interference

H - Analyte was prepared and/or analyzed outside of the analytical method holding time

250 W. 94th Drive, Merrillville, IN 46410 TEL 800.536.8379 TEL 219.769.8378 FAX 219.769.1664

SIMALABS International

250 W 84th Drive
Merrillville, IN 46410
(219) 769-8378

COOLER INSPECTION

Friday, March 28, 2003

Client Name EQM - CINCINNATTI, OH
Work Order Number ME0303623
Checklist completed b Ken Smith (Signature) 3/28/03 (Date)

Date / Time Received: 3/28/2003 10:30:00 AM
Received by KRS
Reviewed by (Initials) 3/28/03 (Date)

Carrier name FedEx

	Yes	No	
After-Hour Arrival?	☐	☑	
Shipping container/cooler in good condition?	☑	☐	Not Present ☐
Custody seals intact on shippping container/cooler?	☑	☐	Not Present ☐
Custody seals intact on sample bottles?	☐	☐	Not Present ☑
Chain of custody present?	☑	☐	
Chain of custody included sufficient client identification?	☑	☐	
Chain of custody included sufficient sample collector information?	☑	☐	
Chain of custody included a sample description?	☑	☐	
Chain of custody agrees with sample labels?	☑	☐	
Chain of custody identified the appropriate matrix?	☑	☐	
Chain of custody included date of collection?	☑	☐	
Chain of custody included time of collection?	☑	☐	
Chain of custody identified the appropriate number of containers?	☑	☐	
Samples in proper container/bottle?	☑	☐	
Sample containers intact?	☑	☐	
Sufficient sample volume for indicated test?	☑	☐	
All samples received within holding time?	☑	☐	
Chain of custody identified the appropriate preservatives?	☑	☐	
Samples properly preserved?	☑	☐	

If No, adjusted by? _____ Date/Time _____

	Yes	No
Chain of custody included the requested analyses?	☑	☐
Chain of custody signed when relinquished and received?	☑	☐
Samples received on ice?	☑	☐

Container/Temp Blank temperature Temp: 7 °C

VOA vials have zero headspace? No VOA vials submitted ☑ Yes ☐ No ☐

ANY "NO" EVALUATION (excluding After-Hour Receipt) REQUIRES CLIENT NOTIFICATION.

General Comments:

Sample ID	Client Sample ID	Comments
ME0303623-01A	WP-301	
ME0303623-02A	WP-302	
ME0303623-03A	WP-303	
ME0303623-04A	WP-304	
ME0303623-05A	WP-305	
ME0303623-06A	WP-306	
ME0303623-07A	WP-307	
ME0303623-08A	WP-308	
ME0303623-09A	WP-309	
ME0303623-10A	WP-310	
ME0303623-11A	WP-311	

Sample ID	Client Sample ID	Comments
ME0303623-12A	WP-312	
ME0303623-13A	WP-313	
ME0303623-14A	WP-314	
ME0303623-15A	WP-315	
ME0303623-16A	WP-316	
ME0303623-17A	WP-317	
ME0303623-18A	WP-318	
ME0303623-19A	WP-319	
ME0303623-20A	WP-320	
ME0303623-21A	WP-321	
ME0303623-22A	WP-322	
ME0303623-23A	WP-323	
ME0303623-24A	WP-324	
ME0303623-25A	WP-325	
ME0303623-26A	WP-326	
ME0303623-27A	WP-327	
ME0303623-28A	WP-328	

Client representative contacted: _____ Date contacted: _____

Contacted by: _____ Regarding _____

Notes: _____

1800 Carillon Blvd
Cincinnati, OH 45240
(513) 825-7500

Environmental Quality Management, Inc.
Chain of Custody Record

MEO303623

COC Tracking **EQ-111**

Project No. #3141-117

Project Name: OMC - WAUKEGAN

Samplers/Affiliation: (Print Name and Sign) Ken Brown (TETRA TECH) Kenneth R. Brown

Lab P.O. No

Sample ID	Date	Time	Description/Matrix.	Sample Volume / Comments	No. of Containers	TESTS: TOTAL PCBs
WP-301	3/27/03	0910	WIPE		1	X
WP-302		0913				X
WP-303		0916				X
WP-304		0918				X
WP-305		0921				X
WP-306		0923				X
WP-307		0926				X
WP-308		0930				X
WP-309		0931				X
WP-310		0933				X
WP-311		0936				X
WP-312		0940				X
WP-313		0943				X
WP-314		0945				X

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Kenneth R. Brown	3/27/03	5:00pm	Ken Smith	3/28/03	1030

Ship To: 4 RESULTS
JACKIE DOAN
ENVIRONMENTAL QUALITY MGMT.
1800 CARILLON BLVD.
CINCINNATI, OH 45240
ATTN: JACKIE DOAN

Airbill Number

Reporting/QA Requirements: LEVEL II

Turn Around Time (EXACT DUE DATE): 14 DAYS / 10 BUS. DAYS

Report To: FAX TO: (513)825-7495 ATTN: JACKIE DOAN

Chain of Custody Seal Numbers

S.I. 7°C 16

Distribution: White - Accompanies Shipment; Pink - Project Files; Yellow - Laboratory File

GREAT LAKES ANALYTICAL

CHAIN OF CUSTODY REPORT

1380 Busch Parkway
Buffalo Grove, IL 60089-4505
(847) 808-7766
FAX (847) 808-7772

140 E. Ryan Road
Oak Creek, WI 531
(414) 570-9460
FAX (414) 570-946

Client: EQM
Address: 1800 CARILLON BLVD.
CINCINNATI, OH 45240
Report to: JACKIE DOAN
E-mail: FAX (513) 825-7495
Phone #: ( )
Fax #: ( )

Bill To:
Address:
State & Program:
Phone #: ( )
Fax #: ( )

TAT: STD. 4 DAY 3 DAY 2 DAY 1 DAY < 24 HRS. (14 DAY, 10 BUS. DAY)
☐ YES - TAT is critical
☐ NO - TAT is not critical
DATE RESULTS NEEDED:
Received: ☐ ice ☐ ambient ☐ refrigerator
Temp. Upon Receipt:
Deliverable Package: ☐ STD ☐ Other
Delivery Method: GLA ☐ Client ☐ Shipped ☐ Courier

Project Name: OMC-WAUKEGAN
Project #/PO#: #3141-117
Sampler: Ken Brown

#	FIELD ID/LOCATION	PID	DATE COLLECTED	TIME COLLECTED	SAMPLE MATRIX	# of Bottles Preservative Used: MeOH	NaHSO4	HCl	HNO3	H2SO4	NaOH	NONE	TOTAL # OF BOTTLES	DO NOT DRY-WEIGHT CORRECT RESULTS	SAMPLES FIELD FILTERED ☐YES ☐NO	ANALYSIS TYPE: TOTAL PCBs							SAMPLE CONTROL: CRACKED-BROKEN	IMPROPERLY SEALED	LABORATORY ID NUMBER
1	WP-315		3/27/03	0948	WIPE								1			X									
2	WP-316			0951												X									
3	WP-317			0954												X									
4	WP-318			0957												X									
5	WP-319			1000												X									
6	WP-320			1003												X									
7	WP-321			1007												X									
8	WP-322			1009												X									
9	WP-323			1012												X									
10	WP-324			1015												X									

RELINQUISHED	RECEIVED	RELINQUISHED	RECEIVED
Kenneth L. Brown 3/27/03 5:00pm	Ken Smith 3/28/03 1000	DATE / TIME	DATE / TIME
DATE / TIME	DATE / TIME	DATE / TIME	DATE / TIME

COMMENTS: LEVEL II REPORTING REQUIREMENTS

GREAT LAKES ANALYTICAL

CHAIN OF CUSTODY REPORT

1380 Busch Parkway
Buffalo Grove, IL 60089-4505
(847) 808-7766
FAX (847) 808-7772

140 E. Ryan Road
Oak Creek, WI 531
(414) 570-9460
FAX (414) 570-946

Client: EQM
Address: 1800 CARILLON BLVD.
CINCINNATI, OH 45240
Report to: JACKIE DOAN
E-mail: FAX: (513) 825-7495
Phone #: ( )
Fax #: ( )

Bill To:
Address:
State & Program:
Phone #: ( )
Fax #: ( )

TAT: STD. 14 DAY, 10 BUS. DAY 4 DAY 3 DAY 2 DAY 1 DAY < 24 HRS.
☐ YES - TAT is critical
☐ NO - TAT is not critical
DATE RESULTS NEEDED:
Received: ☐ ice ☐ ambient ☐ refrigerator
Temp. Upon Receipt:
Deliverable Package: ☐ STD ☐ Other
Delivery Method: GLA ☐ Client ☐ Shipped ☐ Courier

Project Name: OMC - WAUKEGAN
Project #/PO#: #3141-117
Sampler: Ken Brown

FIELD ID LOCATION	DATE COLLECTED	TIME COLLECTED	SAMPLE MATRIX	# of Bottles Preservative Used: MeOH	NaHSO4	HCl	HNO3	H2SO4	NaOH	NONE	TOTAL # OF BOTTLES	DO NOT DRY-WEIGHT CORRECT RESULTS	SAMPLES FIELD FILTERED ☐YES ☐NO	ANALYSIS TYPE: TOTAL PCBs							SAMPLE CONTROL: CRACKED/BROKEN	IMPROPERLY SEALED	LABORATORY ID NUMBER
1 WP-325 PID:	3/27/03	1018	WIPE								1			X									
2 WP-326 PID:	↓	1020	↓								↓			X									
3 WP-327 PID:		1023												X									
4 WP-328 PID:	↓	1026	↓								↓			X									
5 PID:																							
6 PID:																							
7 PID:																							
8 PID:																							
9 PID:																							
10 PID:																							

RELINQUISHED	RECEIVED	RELINQUISHED	RECEIVED
Kenneth R. Brown 3/27/03 5:00pm	Ken Smith 3/28/03 10:30	DATE / TIME	DATE / TIME
RELINQUISHED DATE / TIME	RECEIVED DATE / TIME	RELINQUISHED DATE / TIME	RECEIVED DATE / TIME

COMMENTS: LEVEL II REPORTING REQUIREMENTS

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

23 May 2003

Jackie Doan
EQM
1800 Carillon Blvd.
Cincinnati, OH 45240
RE: OMC - Waukegan

Enclosed are the results of analyses for samples received by the laboratory on 05/16/03. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Great Lakes Analytical

Andy Johnson

Andy Johnson
Project Manager

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

EQM 1800 Carillon Blvd. Cincinnati OH, 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 05/23/03 12:09

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CW Chips	B305319-01	Waste (S)	05/15/03 00:00	05/16/03 09:30
MW Chips	B305319-02	Waste (S)	05/15/03 00:00	05/16/03 09:30
Roof Gravel	B305319-03	Waste (S)	05/15/03 00:00	05/16/03 09:30
Transformer #7	B305319-04	OIL	05/15/03 00:00	05/16/03 09:30
Transformer #11	B305319-05	OIL	05/15/03 00:00	05/16/03 09:30

Great Lakes Analytical--Buffalo Grove

Andy Johnson

Andy Johnson, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

EQM
1800 Carillon Blvd.
Cincinnati OH. 45240

Project: OMC - Waukegan
Project Number: 3141-117
Project Manager: Jackie Doan

Reported:
05/23/03 12:09

Polychlorinated Biphenyls by EPA Method 8082

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CW Chips (B305319-01) Waste (S) Sampled: 05/15/03 00:00 Received: 05/16/03 09:30									**A-01**
PCB-1016	ND	1000	ug/kg wet	10	3050456	05/22/03	05/22/03	EPA 8082	
PCB-1221	ND	1000	"	"	"	"	"	"	
PCB-1232	ND	1000	"	"	"	"	"	"	
PCB-1242	ND	1000	"	"	"	"	"	"	
PCB-1248	ND	1000	"	"	"	"	"	"	
PCB-1254	ND	1000	"	"	"	"	"	"	
PCB-1260	ND	1000	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*82.4 %*	*10-125*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*36.2 %*	*10-143*		"	"	"	"	
MW Chips (B305319-02) Waste (S) Sampled: 05/15/03 00:00 Received: 05/16/03 09:30									**A-01**
PCB-1016	ND	36100	ug/kg wet	50	3050456	05/22/03	05/22/03	EPA 8082	
PCB-1221	ND	36100	"	"	"	"	"	"	
PCB-1232	ND	36100	"	"	"	"	"	"	
PCB-1242	ND	36100	"	"	"	"	"	"	
PCB-1248	ND	36100	"	"	"	"	"	"	
PCB-1254	ND	36100	"	"	"	"	"	"	
PCB-1260	ND	36100	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*57.3 %*	*10-125*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*79.7 %*	*10-143*		"	"	"	"	
Roof Gravel (B305319-03) Waste (S) Sampled: 05/15/03 00:00 Received: 05/16/03 09:30									**A-01**
PCB-1016	ND	1250	ug/kg wet	50	3050456	05/22/03	05/22/03	EPA 8082	
PCB-1221	ND	1250	"	"	"	"	"	"	
PCB-1232	ND	1250	"	"	"	"	"	"	
PCB-1242	ND	1250	"	"	"	"	"	"	
PCB-1248	ND	1250	"	"	"	"	"	"	
PCB-1254	**3000**	1250	"	"	"	"	"	"	
PCB-1260	ND	1250	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*42.3 %*	*10-125*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*300 %*	*10-143*		"	"	"	"	H

Great Lakes Analytical--Buffalo Grove

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Andy Johnson

Andy Johnson, Project Manager

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

EQM 1800 Carillon Blvd. Cincinnati OH, 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 05/23/03 12:09

Polychlorinated Biphenyls by EPA Method 8082

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Transformer #7 (B305319-04) OIL Sampled: 05/15/03 00:00 Received: 05/16/03 09:30									
PCB-1016	ND	3500	mg/kg	1000	3050460	05/22/03	05/22/03	EPA 8082	
PCB-1221	ND	3500	"	"	"	"	"	"	
PCB-1232	ND	3500	"	"	"	"	"	"	
PCB-1242	ND	3500	"	"	"	"	"	"	
PCB-1248	ND	3500	"	"	"	"	"	"	
PCB-1254	3[illegible]00	7000	"	2000	"	"	05/22/03	"	
PCB-1260	ND	3500	"	1000	"	"	05/22/03	"	
Surrogate: Tetrachloro-meta-xylene		*90.9 %*		*10-125*	"	"	"	"	
Surrogate: Decachlorobiphenyl		*388 %*		*10-143*	"	"	"	"	H
Transformer #11 (B305319-05) OIL Sampled: 05/15/03 00:00 Received: 05/16/03 09:30									
PCB-1016	ND	3500	mg/kg	1000	3050460	05/22/03	05/22/03	EPA 8082	
PCB-1221	ND	3500	"	"	"	"	"	"	
PCB-1232	ND	3500	"	"	"	"	"	"	
PCB-1242	ND	3500	"	"	"	"	"	"	
PCB-1248	ND	3500	"	"	"	"	"	"	
PCB-1254	ND	3500	"	"	"	"	"	"	
PCB-1260	4[illegible]00	7000	"	2000	"	"	05/22/03	"	
Surrogate: Tetrachloro-meta-xylene		*247 %*		*10-125*	"	"	*05/22/03*	"	H
Surrogate: Decachlorobiphenyl		*916 %*		*10-143*	"	"	"	"	H

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

GREAT LAKES ANALYTICAL

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EQM 1800 Carillon Blvd. Cincinnati OH, 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	Reported: 05/23/03 12:09

Notes and Definitions

A-01	Final results pending ms/msd.
DET	*Analyte DETECTED*
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Great Lakes Analytical--Buffalo Grove Wisconsin DNR Certification Lab ID: 999917160

Great Lakes Analytical--Buffalo Grove NELAP Primary Accreditation: Illinois #100261

Great Lakes Analytical--Buffalo Grove NELAP Secondary Accreditation: New Jersey #IL001

Great Lakes Analytical--Oak Creek, WI Wisconsin DNR Certification Lab ID: 341000330

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

GREAT LAKES ANALYTICAL

CHAIN OF CUSTODY REPORT

1380 Busch Parkway
Buffalo Grove, IL 60089-4505
(847) 808-7766
FAX (847) 808-7772

Ryan Road
Oak Creek, WI 53154
(414) 570-9460
FAX (414) 570-9461

Client: EQM
Address: 1800 CARILLON BLVD.
CINCINNATI, OH 45240
Report to: JACKIE DOAN
E-mail:
Phone #: ( )
Fax #: (513) 825-7495

Bill To: SAME
Address:
State & Program:
Phone #: ( )
Fax #: ( )

TAT: (STD) 4 DAY 3 DAY 2 DAY 1 DAY < 24 HRS.
☒ YES - TAT is critical
☐ NO - TAT is not critical
DATE RESULTS NEEDED:
Received: ☐ ice ☐ ambient ☐ refrigerator
Temp Upon Receipt: 2°C
Deliverable Package: ☐ STD ☒ Other
Delivery Method: GLA ☒ Client ☐ Shipped ☐ Courier ☐

Project Name: OMC-WAUKEGAN
Project #/PO#: 3141-117
Sampler: K. Brown

LEVEL IV

#	FIELD ID, LOCATION	PID	DATE COLLECTED	TIME COLLECTED	SAMPLE MATRIX	MeOH	NaHSO4	HCl	HNO3	H2SO4	NaOH	NONE	TOTAL # OF BOTTLES	DO NOT DRY-WEIGHT CORRECT RESULTS	SAMPLES FIELD FILTERED ☐YES ☒NO	PCBs 8082	ANALYSIS TYPE					CRACKED-BROKEN	IMPROPERLY SEALED	LABORATORY ID NUMBER
1	CW CHIPS		5/15/03		METAL CHIPS							1	1			X								B305319-01
2	MW CHIPS				METAL CHIPS							1	1			X								02
3	ROOF GRAVEL				SOIL							1	1			X								03
4	TRANSFORMER #7				OIL							1	1			X								04
5	TRANSFORMER #11				OIL							1	1			X								05
6																								
7																								
8																								
9																								
10																								

RELINQUISHED	DATE / TIME	RECEIVED	DATE / TIME	RELINQUISHED	DATE / TIME	RECEIVED	DATE / TIME
K. Brown	5/16/03 8:00am	[signature]	5/16/03 9:30AM				
RELINQUISHED	DATE / TIME	RECEIVED	DATE / TIME	RELINQUISHED	DATE / TIME	RECEIVED	DATE / TIME

COMMENTS: SEND RESULTS TO JACKIE DOAN AT ABOVE ADDRESS. FAX RESULTS TO (513) 825-7495 AND (847) 782-0658.

* OIL SAMPLES ANALYZED AT 45,000 mg/Kg PREVIOUSLY.

PAGE 1 OF 1

05/23/03 11:19 FAX 847 808 7772 GREAT LAKES ANALYTICAL

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

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03 June 2003

Jackie Doan
EQM
1800 Carillon Blvd.
Cincinnati, OH 45240
RE: OMC - Waukegan

Enclosed are the results of ana yses for samples received by the laboratory on 05/22/03. If you have any questions concer ning this report, please feel free to contact me.

Sincerely,

Great Lakes Analytical

Andy Johnson

Andy Johnson
Project Manager

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

EQM	Project: OMC - Waukegan	
1800 Carillon Blvd.	Project Number: 3141-117	Reported:
Cincinnati OH, 45240	Project Manager: Jackie Doan	06/03/03 10:20

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WP-401	B305419-01	Wipe	05/21/03 07:30	05/22/03 09:20
WP-402	B305419-02	Wipe	05/21/03 07:40	05/22/03 09:20
WP-403	B305419-03	Wipe	05/21/03 07:50	05/22/03 09:20
Small Transformers	B305419-04	OIL	05/21/03 08:00	05/22/03 09:20
Old Die Cast Oil	B305419-05	OIL	05/21/03 09:45	05/22/03 09:20

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
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EQM	Project: OMC - Waukegan	
1800 Carillon Blvd.	Project Number: 3141-117	**Reported:**
Cincinnati OH, 45240	Project Manager: Jackie Doan	06/03/03 10:20

Polychlorinated Biphenyls by EPA Method 8082

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WP-401 (B305419-01) Wipe Sampled: 05/21/03 7:30 Received: 05/22/03 09:20									**QC**
PCB-1016	ND	0.500	ug/Wipe	1	3050629	05/29/03	06/02/03	EPA 8082	
PCB-1221	ND	0.500	"	"	"	"	"	"	
PCB-1232	ND	0.500	"	"	"	"	"	"	
PCB-1242	33	5.00	"	10	"	"	06/02/03	"	
PCB-1248	ND	0.500	"	1	"	"	06/02/03	"	
PCB-1254	ND	0.500	"	"	"	"	"	"	
PCB-1260	ND	0.500	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*53.7 %*	*10-116*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*56.8 %*	*10-209*		"	"	"	"	
WP-402 (B305419-02) Wipe Sampled: 05/21/03 7:40 Received: 05/22/03 09:20									**QC**
PCB-1016	ND	0.500	ug/Wipe	1	3050629	05/29/03	06/02/03	EPA 8082	
PCB-1221	ND	0.500	"	"	"	"	"	"	
PCB-1232	ND	0.500	"	"	"	"	"	"	
PCB-1242	13	0.500	"	"	"	"	"	"	
PCB-1248	ND	0.500	"	"	"	"	"	"	
PCB-1254	ND	0.500	"	"	"	"	"	"	
PCB-1260	ND	0.500	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*6.47 %*	*10-116*		"	"	"	"	L
Surrogate: Decachlorobiphenyl		*14.6 %*	*10-209*		"	"	"	"	
WP-403 (B305419-03) Wipe Sampled: 05/21/03 7:50 Received: 05/22/03 09:20									**QC**
PCB-1016	ND	0.500	ug/Wipe	1	3050629	05/29/03	06/02/03	EPA 8082	
PCB-1221	ND	0.500	"	"	"	"	"	"	
PCB-1232	ND	0.500	"	"	"	"	"	"	
PCB-1242	10	5.00	"	10	"	"	06/02/03	"	
PCB-1248	ND	0.500	"	1	"	"	06/02/03	"	
PCB-1254	ND	0.500	"	"	"	"	"	"	
PCB-1260	ND	0.500	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*48.7 %*	*10-116*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*51.5 %*	*10-209*		"	"	"	"	

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

GREAT LAKES ANALYTICAL

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Buffalo Grove, Illinois 60089

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EQM 1800 Carillon Blvd. Cincinnati OH, 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	Reported: 06/03/03 10:20

Polychlorinated Biphenyls by EPA Method 8082

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Small Transformers (B305419-04) OIL Sampled: 05/21/03 08:00 Received: 05/22/03 09:20									
PCB-1016	ND	35.0	mg/kg	10	3050632	05/29/03	06/02/03	EPA 8082	
PCB-1221	ND	35.0	"	"	"	"	"	"	
PCB-1232	ND	35.0	"	"	"	"	"	"	
PCB-1242	279	35.0	"	"	"	"	"	"	
PCB-1248	ND	35.0	"	"	"	"	"	"	
PCB-1254	ND	35.0	"	"	"	"	"	"	
PCB-1260	ND	35.0	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*195 %*		*10-125*	"	"	"	"	H
Surrogate: Decachlorobiphenyl		*130 %*		*10-143*	"	"	"	"	
Old Die Cast Oil (B305419-05) OIL Sampled: 05/21/03 09:45 Received: 05/22/03 09:20									
PCB-1016	ND	7000	mg/kg	2000	3050632	05/29/03	06/02/03	EPA 8082	
PCB-1221	ND	7000	"	"	"	"	"	"	
PCB-1232	ND	7000	"	"	"	"	"	"	
PCB-1242	47200	7000	"	"	"	"	"	"	
PCB-1248	ND	7000	"	"	"	"	"	"	
PCB-1254	ND	7000	"	"	"	"	"	"	
PCB-1260	ND	7000	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*%*		*10-125*	"	"	"	"	L
Surrogate: Decachlorobiphenyl		*%*		*10-143*	"	"	"	"	L

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

GREAT LAKES ANALYTICAL

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Buffalo Grove, Illinois 60089

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EQM 1800 Carillon Blvd. Cincinnati OH, 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 06/03/03 10:20

Polychlorinated Biphenyls by EPA Method 8082 - Quality Control

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3050629 - EPA 3550B										
Blank (3050629-BLK1)				Prepared: 05/29/03 Analyzed: 06/01/03						
PCB-1016	ND	0.500	ug/Wipe							
PCB-1221	ND	0.500	"							
PCB-1232	ND	0.500	"							
PCB-1242	ND	0.500	"							
PCB-1248	ND	0.500	"							
PCB-1254	ND	0.500	"							
PCB-1260	ND	0.500	"							
Surrogate: Tetrachloro-meta-xylene	0.051		"	*1.00*		*5.11*	*10-116*			L
Surrogate: Decachlorobiphenyl	0.739		"	*1.00*		*73.9*	*10-209*			
LCS (3050629-BS1)				Prepared: 05/29/03 Analyzed: 06/01/03						
PCB-1016	1.59	0.500	ug/Wipe	10.0		15.9	21.2-107			L
PCB-1260	2.93	0.500	"	10.0		29.3	24.8-128			
Surrogate: Tetrachloro-meta-xylene	0.125		"	*1.00*		*12.5*	*10-116*			
Surrogate: Decachlorobiphenyl	0.728		"	*1.00*		*72.8*	*10-209*			
LCS Dup (3050629-BSD1)				Prepared: 05/29/03 Analyzed: 06/01/03						
PCB-1016	1.45	0.500	ug/Wipe	10.0		14.5	21.2-107	9.21	54.4	L
PCB-1260	3.03	0.500	"	10.0		30.3	24.8-128	3.36	44.4	
Surrogate: Tetrachloro-meta-xylene	0.0675		"	*1.00*		*6.75*	*10-116*			L
Surrogate: Decachlorobiphenyl	0.760		"	*1.00*		*76.0*	*10-209*			
Batch 3050632 - EPA 3550B										
Blank (3050632-BLK1)				Prepared: 05/29/03 Analyzed: 06/01/03						
PCB-1016	ND	3.50	mg/kg							
PCB-1221	ND	3.50	"							
PCB-1232	ND	3.50	"							
PCB-1242	ND	3.50	"							
PCB-1248	ND	3.50	"							
PCB-1254	ND	3.50	"							
PCB-1260	ND	3.50	"							
Surrogate: Tetrachloro-meta-xylene	0.882		"	*1.00*		*88.2*	*10-125*			
Surrogate: Decachlorobiphenyl	1.07		"	*1.00*		*107*	*10-143*			

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

EQM 1800 Carillon Blvd. Cincinnati OH, 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 06/03/03 10:20

Polychlorinated Biphenyls by EPA Method 8082 - Quality Control

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3050632 - EPA 3550B										
LCS (3050632-BS1)				Prepared: 05/29/03 Analyzed: 06/01/03						
PCB-1016	4.1	3.50	mg/kg	10.0		45.1	10-133			
PCB-1260	4.9	3.50	"	10.0		47.9	14-134			
Surrogate: Tetrachloro-meta-xylene	0.93		"	*1.00*		*92.3*	*10-125*			
Surrogate: Decachlorobiphenyl	1.03		"	*1.00*		*103*	*10-143*			
Duplicate (3050632-DUP1)		**Source: B305419-04**		Prepared: 05/29/03 Analyzed: 06/02/03						
PCB-1016	ND	35.0	mg/kg		ND				20	
PCB-1221	ND	35.0	"		ND				20	
PCB-1232	ND	35.0	"		ND				20	
PCB-1242	236	35.0	"		229			3.01	20	
PCB-1248	ND	35.0	"		ND				20	
PCB-1254	ND	35.0	"		ND				20	
PCB-1260	ND	35.0	"		ND				20	
Surrogate: Tetrachloro-meta-xylene	1.66		"	*0.870*		*191*	*10-125*			H
Surrogate: Decachlorobiphenyl	1.10		"	*0.870*		*126*	*10-143*			

Great Lakes Analytical--Buffalo Grove

Andy Johnson

Andy Johnson, Project Manager

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GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

EQM 1800 Carillon Blvd. Cincinnati OH, 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 06/03/03 10:20

Notes and Definitions

QC	The result for one or more quality control measurements associated with this sample did not meet the laboratory and/or source method acceptance criteria.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
L	This quality control measurement is below the laboratory established limit.
H	This quality control measurement is above the laboratory established limit.

Great Lakes Analytical--Buffalo Grove Wisconsin DNR Certification Lab ID: 999917160

Great Lakes Analytical--Buffalo Grove NELAP Primary Accreditation: Illinois #100261

Great Lakes Analytical--Buffalo Grove NELAP Secondary Accreditation: New Jersey #IL001

Great Lakes Analytical--Oak Creek, WI Wisconsin DNR Certification Lab ID: 341000330

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

1 Carillon Blvd
Cincinnati, OH 45240
(513) 825-7500

Environmen Quality Management, Inc.
Chain of Custody Record

COC Tracking: EQ-11749

Project No.	Project Name
3141-117	OMC Waukegan

Samplers/Affiliation: (Print Name and Sign) Ken Brown Kenneth L. Dra (TETRA TECH)

Lab P.O. No:

Sample ID:	Date	Time	Description/Matrix:	Sample Volume / Comments	No. of Containers	PCBs (8082)	TESTS
WP-401	5/21/03	0730	WIPE		1	X	B305419-01
WP-402	↓	0740	WIPE		1	X	-02
WP-403	↓	0750	WIPE		1	X	-03
SMALL TRANSFORMERS	↓	0800	OIL	MAY HAVE HIGH LEVELS OF PCBs	1	X	-04
OLD DIE CAST OIL	↓	0945	OIL	" "	1	X	-05

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Kenneth L. Dra	5/21/03	11:30	[signature]	5/21/03	9:20 AM
[signature]	5/22	1420	[signature]	5-23-03	732

Ship To: JACKIE DOAN - EQM
1800 CARILLON BLVD.
CINCINNATI, OHIO 45240
FAX RESULTS TO: (513) 825-7495
AND (847) 782-0658

Airbill Number

Reporting/QA Requirements:

Turn Around Time (EXACT DUE DATE): 5/29/03

Report To:

Chain of Custody Seal Numbers

Ref 4°C

Distribution: White - Accompanies Shipment Pink - Project Files Yellow - Laboratory File

06/03/03 11:28 FAX 847 808 77.. GREAT LAKES ANALYTICAL

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jakie Doan	**Reported:** 06/11/03 17:08

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
V4 Greenlee Oil	B306055-01	OIL	06/02/03 11:00	06/03/03 10:20
V4 Greenlee Sludge	B306055-02	Waste (S)	06/02/03 11:20	06/03/03 10:20
Hydromation Sludge	B306055-03	Waste (S)	06/02/03 11:30	06/03/03 10:20
Cross Transfer Sludge	B306055-04	Waste (S)	06/02/03 12:00	06/03/03 10:20
New Die Cast Tank Oil	B306055-05	OIL	06/02/03 13:30	06/03/03 10:20

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

GREAT LAKES ANALYTICAL

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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jakie Doan	Reported: 06/11/03 17:08

Polychlorinated Biphenyls by EPA Method 8082

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method		Notes
V4 Greenlee Oil (B306055-01) OIL Sampled: 06/02/03 11:00 Received: 06/03/03 10:20										**G23**
PCB-1016	ND	35.0	mg/kg	10	3060244	06/10/03	06/11/03	EPA 8082		
PCB-1221	ND	35.0	"	"	"	"	"	"		
PCB-1232	ND	35.0	"	"	"	"	"	"		
PCB-1242	ND	35.0	"	"	"	"	"	"		
PCB-1248	ND	35.0	"	"	"	"	"	"		
PCB-1254	ND	35.0	"	"	"	"	"	"		
PCB-1260	ND	35.0	"	"	"	"	"	"		
Surrogate: Tetrachloro-meta-xylene		*172 %*	*10-125*		"	"	"	"	H	
Surrogate: Decachlorobiphenyl		*152 %*	*10-143*		"	"	"	"	H	
V4 Greenlee Sludge (B306055-02) Waste (S) Sampled: 06/02/03 11:20 Received: 06/03/03 10:20										**G23**
PCB-1016	ND	48100	ug/kg wet	500	3060096	06/04/03	06/11/03	EPA 8082		
PCB-1221	ND	48100	"	"	"	"	"	"		
PCB-1232	ND	48100	"	"	"	"	"	"		
PCB-1242	ND	48100	"	"	"	"	"	"		
PCB-1248	ND	48100	"	"	"	"	"	"		
PCB-1254	ND	48100	"	"	"	"	"	"		
PCB-1260	ND	48100	"	"	"	"	"	"		
Surrogate: Tetrachloro-meta-xylene		*72.5 %*	*10-125*		"	"	"	"		
Surrogate: Decachlorobiphenyl		*13.3 %*	*10-143*		"	"	"	"		
Hydromation Sludge (B306055-03) Waste (S) Sampled: 06/02/03 11:30 Received: 06/03/03 10:20										**G23**
PCB-1016	ND	31600	ug/kg wet	500	3060096	06/04/03	06/11/03	EPA 8082		
PCB-1221	ND	31600	"	"	"	"	"	"		
PCB-1232	ND	31600	"	"	"	"	"	"		
PCB-1242	ND	31600	"	"	"	"	"	"		
PCB-1248	ND	31600	"	"	"	"	"	"		
PCB-1254	ND	31600	"	"	"	"	"	"		
PCB-1260	ND	31600	"	"	"	"	"	"		
Surrogate: Tetrachloro-meta-xylene		*%*	*10-125*		"	"	"	"	L	*G18*
Surrogate: Decachlorobiphenyl		*%*	*10-143*		"	"	"	"	L	*G18*

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

GREAT LAKES ANALYTICAL

1380 Busch Parkway
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EQM	Project: OMC - Waukegan	
1800 Carillon Blvd.	Project Number: 3141-117	**Reported:**
Cincinnati, OH 45240	Project Manager: Jakie Doan	06/11/03 17:08

Polychlorinated Biphenyls by EPA Method 8082

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Cross Transfer Sludge (B306055-04) Waste (S) Sampled: 06/02/03 12:00 Received: 06/03/03 10:20									**G23**
PCB-1016	ND	43600	ug/kg wet	500	3060096	06/04/03	06/11/03	EPA 8082	
PCB-1221	ND	43600	"	"	"	"	"	"	
PCB-1232	ND	43600	"	"	"	"	"	"	
PCB-1242	ND	43600	"	"	"	"	"	"	
PCB-1248	ND	43600	"	"	"	"	"	"	
PCB-1254	ND	43600	"	"	"	"	"	"	
PCB-1260	ND	43600	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*19.6 %*	*10-125*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*%*	*10-143*		"	"	"	"	L *G18*

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Andy Johnson, Project Manager

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11 June 2003

Jakie Doan
EQM
1800 Carillon Blvd.
Cincinnati, OH 45240
RE: OMC - Waukegan

Enclosed are the results of analyses for samples received by the laboratory on 06/03/03. If you have any questions concerning this report, please feel free to contact me.

Sincerely,
Great Lakes Analytical

Andy Johnson

Andy Johnson
Project Manager

GREAT LAKES ANALYTICAL

1380 Busch Parkway
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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jakie Doan	**Reported:** 06/11/03 17:08

Polychlorinated Biphenyls by EPA Method 8082 - Quality Control
Great Lakes Analytical–Buffalo Grove

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3060096 - EPA 3550B										
Blank (3060096-BLK1)				Prepared: 06/04/03 Analyzed: 06/05/03						
PCB-1016	ND	25.0	ug/kg wet							
PCB-1221	ND	25.0	"							
PCB-1232	ND	25.0	"							
PCB-1242	ND	25.0	"							
PCB-1248	ND	25.0	"							
PCB-1254	ND	25.0	"							
PCB-1260	ND	25.0	"							
Surrogate: Tetrachloro-meta-xylene	*17.5*		"	*33.2*		*52.7*	*10-125*			
Surrogate: Decachlorobiphenyl	*24.8*		"	*33.2*		*74.7*	*10-143*			
LCS (3060096-BS1)				Prepared: 06/04/03 Analyzed: 06/05/03						
PCB-1016	89.9	25.0	ug/kg wet	330		27.2	10-133			
PCB-1260	106	25.0	"	330		32.1	14-134			
Surrogate: Tetrachloro-meta-xylene	*16.1*		"	*33.0*		*48.8*	*10-125*			
Surrogate: Decachlorobiphenyl	*24.2*		"	*33.0*		*73.3*	*10-143*			
Matrix Spike (3060096-MS1)		**Source: B306063-01**		Prepared: 06/04/03 Analyzed: 06/05/03						
PCB-1016	78.2	30.3	ug/kg dry	404	ND	19.4	10-131			
PCB-1260	98.0	30.3	"	404	ND	24.3	10-129			
Surrogate: Tetrachloro-meta-xylene	*22.0*		"	*40.4*		*54.5*	*10-125*			
Surrogate: Decachlorobiphenyl	*26.4*		"	*40.4*		*65.3*	*10-143*			
Matrix Spike Dup (3060096-MSD1)		**Source: B306063-01**		Prepared: 06/04/03 Analyzed: 06/05/03						
PCB-1016	74.4	30.3	ug/kg dry	408	ND	18.2	10-131	4.98	87.6	
PCB-1260	101	30.3	"	408	ND	24.8	10-129	3.02	71.9	
Surrogate: Tetrachloro-meta-xylene	*21.2*		"	*40.8*		*52.0*	*10-125*			
Surrogate: Decachlorobiphenyl	*26.1*		"	*40.8*		*64.0*	*10-143*			

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jakie Doan	**Reported:** 06/11/03 17:08

Polychlorinated Biphenyls by EPA Method 8082 - Quality Control

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3060244 - EPA 3550B										
Blank (3060244-BLK1)				Prepared & Analyzed: 06/10/03						
PCB-1016	ND	3.50	mg/kg							
PCB-1221	ND	3.50	"							
PCB-1232	ND	3.50	"							
PCB-1242	ND	3.50	"							
PCB-1248	ND	3.50	"							
PCB-1254	ND	3.50	"							
PCB-1260	ND	3.50	"							
Surrogate: Tetrachloro-meta-xylene	*1.85*		"	*1.00*		*185*	*10-125*			H
Surrogate: Decachlorobiphenyl	*1.42*		"	*1.00*		*142*	*10-143*			
LCS (3060244-BS1)				Prepared & Analyzed: 06/10/03						
PCB-1016	5.12	3.50	mg/kg	10.0		51.2	10-133			
PCB-1260	5.21	3.50	"	10.0		52.1	14-134			
Surrogate: Tetrachloro-meta-xylene	*1.73*		"	*1.00*		*173*	*10-125*			H
Surrogate: Decachlorobiphenyl	*1.27*		"	*1.00*		*127*	*10-143*			
Duplicate (3060244-DUP1)		**Source: B306055-05**		Prepared & Analyzed: 06/10/03						
PCB-1016	ND	3.50	mg/kg						20	
PCB-1221	ND	3.50	"						20	
PCB-1232	ND	3.50	"						20	
PCB-1242	ND	3.50	"						20	
PCB-1248	ND	3.50	"						20	
PCB-1254	ND	3.50	"						20	
PCB-1260	ND	3.50	"						20	
Surrogate: Tetrachloro-meta-xylene	*2.14*		"	*0.990*		*216*	*10-125*			H
Surrogate: Decachlorobiphenyl	*1.25*		"	*0.990*		*126*	*10-143*			

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

GREAT LAKES ANALYTICAL

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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jakie Doan	**Reported:** 06/11/03 17:08

Notes and Definitions

G18	The recovery for this surrogate is outside the laboratory acceptance limits due to sample dilution.
G23	The sample was diluted due to the presence of high concentrations of non-target analytes.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
L	This quality control measurement is below the laboratory established limit.
H	This quality control measurement is above the laboratory established limit.

Great Lakes Analytical--Buffalo Grove Wisconsin DNR Certification Lab ID: 999917160

Great Lakes Analytical--Buffalo Grove NELAP Primary Accreditation: Illinois #100261

Great Lakes Analytical--Buffalo Grove NELAP Secondary Accreditation: New Jersey #IL001

Lakes Analytical--Oak Creek, WI Wisconsin DNR Certification Lab ID: 341000330

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Andy Johnson

Andy Johnson, Project Manager

1800 Carillon Blvd
Cincinnati, OH 45240
(513) 825-7500

Environmental Quality Management, Inc.
Chain of Custody Record

PLEASE PERFORM ADDITIONAL ANALYSIS FOR THIS SAMPLE KMB

COC Tracking: **EQ-11750**

Project No.	Project Name
3141-117	OMC Waukegan

Samplers/Affiliation: *(Print Name and Sign)* Ken Brown for EQM

Lab P.O. No:

Sample ID:	Date	Time	Description/Matrix:	Sample Volume / Comments	No. of Containers	PCBs (8082)	TOX									
V4 GREENLEE OIL	6/2/03	1100	OIL	B3060550-01	1	X	X									
V4 GREENLEE SLUDGE	6/2/03	1120	SLUDGE	02	1	X										
HYDROMATION SLUDGE	6/2/03	11:30	SLUDGE	03	1	X										
CROSS TRANSFER SLUDGE	6/2/03	1200	SLUDGE	04	1	X										
NEW DIE CAST TANK OIL	6/2/03	1330	OIL	05	1	X										

Relinquished by: *(Signature)*	Date	Time	Received by: *(Signature)*	Date	Time
	6/3/03	10:20		6/3	10:20
	6/3	14:50		6/4/03	640

Ship To: JACKIE DOAN - EQM
1800 CARILLON BLVD.
CINCINNATI, OH 45240
FAX RESULTS TO: (513) 825-7495
AND (847) 782-0658

Airbill Number

Reporting/QA Requirements:

Turn Around Time (**EXACT DUE DATE**): 6/10/03

Report To:

Chain of Custody Seal Numbers

Distribution: White - Accompanies Shipme Pink - Project Files Yellow - Laboratory File

GREAT
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12 June 2003

Jackie Doan
EQM
1800 Carillon Blvd.
Cincinnati, OH 45240
RE: OMC - Waukegan

Enclosed are the results of analyses for samples received by the laboratory on 06/03/03. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Great Lakes Analytical

Andy Johnson

Andy Johnson
Project Manager

GREAT LAKES ANALYTICAL

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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 06/12/03 10:14

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
V4 Greenlee Oil	B306055-01	OIL	06/02/03 11:00	06/03/03 10:20
V4 Greenlee Sludge	B306055-02	Waste (S)	06/02/03 11:20	06/03/03 10:20
Hydromation Sludge	B306055-03	Waste (S)	06/02/03 11:30	06/03/03 10:20
Cross Transfer Sludge	B306055-04	Waste (S)	06/02/03 12:00	06/03/03 10:20
New Die Cast Tank Oil	B306055-05	OIL	06/02/03 13:30	06/03/03 10:20

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

GREAT LAKES ANALYTICAL

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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 06/12/03 10:14

Polychlorinated Biphenyls by EPA Method 8082

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method		Notes
V4 Greenlee Oil (B306055-01) OIL Sampled: 06/02/03 11:00 Received: 06/03/03 10:20										**G23**
PCB-1016	ND	35.0	mg/kg	10	3060244	06/10/03	06/11/03	EPA 8082		
PCB-1221	ND	35.0	"	"	"	"	"	"		
PCB-1232	ND	35.0	"	"	"	"	"	"		
PCB-1242	ND	35.0	"	"	"	"	"	"		
PCB-1248	ND	35.0	"	"	"	"	"	"		
PCB-1254	ND	35.0	"	"	"	"	"	"		
PCB-1260	ND	35.0	"	"	"	"	"	"		
Surrogate: Tetrachloro-meta-xylene		*172 %*		*10-125*	"	"	"	"	H	
Surrogate: Decachlorobiphenyl		*152 %*		*10-143*	"	"	"	"	H	
V4 Greenlee Sludge (B306055-02) Waste (S) Sampled: 06/02/03 11:20 Received: 06/03/03 10:20										**G23**
PCB-1016	ND	48100	ug/kg wet	500	3060096	06/04/03	06/11/03	EPA 8082		
PCB-1221	ND	48100	"	"	"	"	"	"		
PCB-1232	ND	48100	"	"	"	"	"	"		
1242	ND	48100	"	"	"	"	"	"		
-1248	ND	48100	"	"	"	"	"	"		
PCB-1254	ND	48100	"	"	"	"	"	"		
PCB-1260	ND	48100	"	"	"	"	"	"		
Surrogate: Tetrachloro-meta-xylene		*72.5 %*		*10-125*	"	"	"	"		
Surrogate: Decachlorobiphenyl		*13.3 %*		*10-143*	"	"	"	"		
Hydromation Sludge (B306055-03) Waste (S) Sampled: 06/02/03 11:30 Received: 06/03/03 10:20										**G23**
PCB-1016	ND	31600	ug/kg wet	500	3060096	06/04/03	06/11/03	EPA 8082		
PCB-1221	ND	31600	"	"	"	"	"	"		
PCB-1232	ND	31600	"	"	"	"	"	"		
PCB-1242	ND	31600	"	"	"	"	"	"		
PCB-1248	ND	31600	"	"	"	"	"	"		
PCB-1254	ND	31600	"	"	"	"	"	"		
PCB-1260	ND	31600	"	"	"	"	"	"		
Surrogate: Tetrachloro-meta-xylene		*%*		*10-125*	"	"	"	"	L	*G18*
Surrogate: Decachlorobiphenyl		*%*		*10-143*	"	"	"	"	L	*G18*

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

GREAT LAKES ANALYTICAL

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EQM	Project: OMC - Waukegan	
1800 Carillon Blvd.	Project Number: 3141-117	**Reported:**
Cincinnati, OH 45240	Project Manager: Jackie Doan	06/12/03 10:14

Polychlorinated Biphenyls by EPA Method 8082

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method		Notes
Cross Transfer Sludge (B306055-04) Waste (S) Sampled: 06/02/03 12:00 Received: 06/03/03 10:20										**G23**
PCB-1016	ND	43600	ug/kg wet	500	3060096	06/04/03	06/11/03	EPA 8082		
PCB-1221	ND	43600	"	"	"	"	"	"		
PCB-1232	ND	43600	"	"	"	"	"	"		
PCB-1242	ND	43600	"	"	"	"	"	"		
PCB-1248	ND	43600	"	"	"	"	"	"		
PCB-1254	ND	43600	"	"	"	"	"	"		
PCB-1260	ND	43600	"	"	"	"	"	"		
Surrogate: Tetrachloro-meta-xylene		*19.6 %*	*10-125*		"	"	"	"		
Surrogate: Decachlorobiphenyl		*%*	*10-143*		"	"	"	"	L	*G18*
New Die Cast Tank Oil (B306055-05RE1) OIL Sampled: 06/02/03 13:30 Received: 06/03/03 10:20										
PCB-1016	ND	3.50	mg/kg	1	3060244	06/10/03	06/11/03	EPA 8082		
PCB-1221	ND	3.50	"	"	"	"	"	"		
PCB-1232	ND	3.50	"	"	"	"	"	"		
PCB-1242	ND	3.50	"	"	"	"	"	"		
PCB-1248	ND	3.50	"	"	"	"	"	"		
PCB-1254	ND	3.50	"	"	"	"	"	"		
PCB-1260	ND	3.50	"	"	"	"	"	"		
Surrogate: Tetrachloro-meta-xylene		*220 %*	*10-125*		"	"	"	"	H	
Surrogate: Decachlorobiphenyl		*136 %*	*10-143*		"	"	"	"		

GREAT LAKES ANALYTICAL

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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 06/12/03 10:14

Polychlorinated Biphenyls by EPA Method 8082 - Quality Control

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3060096 - EPA 3550B										
Blank (3060096-BLK1)				Prepared: 06/04/03 Analyzed: 06/05/03						
PCB-1016	ND	25.0	ug/kg wet							
PCB-1221	ND	25.0	"							
PCB-1232	ND	25.0	"							
PCB-1242	ND	25.0	"							
PCB-1248	ND	25.0	"							
PCB-1254	ND	25.0	"							
PCB-1260	ND	25.0	"							
Surrogate: Tetrachloro-meta-xylene	*17.5*		"	*33.2*		*52.7*	*10-125*			
Surrogate: Decachlorobiphenyl	*24.8*		"	*33.2*		*74.7*	*10-143*			
LCS (3060096-BS1)				Prepared: 06/04/03 Analyzed: 06/05/03						
1016	89.9	25.0	ug/kg wet	330		27.2	10-133			
1260	106	25.0	"	330		32.1	14-134			
Surrogate: Tetrachloro-meta-xylene	*16.1*		"	*33.0*		*48.8*	*10-125*			
Surrogate: Decachlorobiphenyl	*24.2*		"	*33.0*		*73.3*	*10-143*			
Matrix Spike (3060096-MS1)		**Source: B306063-01**		Prepared: 06/04/03 Analyzed: 06/05/03						
PCB-1016	78.2	30.3	ug/kg dry	404	ND	19.4	10-131			
PCB-1260	98.0	30.3	"	404	ND	24.3	10-129			
Surrogate: Tetrachloro-meta-xylene	*22.0*		"	*40.4*		*54.5*	*10-125*			
Surrogate: Decachlorobiphenyl	*26.4*		"	*40.4*		*65.3*	*10-143*			
Matrix Spike Dup (3060096-MSD1)		**Source: B306063-01**		Prepared: 06/04/03 Analyzed: 06/05/03						
PCB-1016	74.4	30.3	ug/kg dry	408	ND	18.2	10-131	4.98	87.6	
PCB-1260	101	30.3	"	408	ND	24.8	10-129	3.02	71.9	
Surrogate: Tetrachloro-meta-xylene	*21.2*		"	*40.8*		*52.0*	*10-125*			
Surrogate: Decachlorobiphenyl	*26.1*		"	*40.8*		*64.0*	*10-143*			

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

GREAT LAKES ANALYTICAL

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(847) 808-7766 FAX (847) 808-777

EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 06/12/03 10:14

Polychlorinated Biphenyls by EPA Method 8082 - Quality Control

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3060244 - EPA 3550B										
Blank (3060244-BLK1)				Prepared & Analyzed: 06/10/03						
PCB-1016	ND	3.50	mg/kg							
PCB-1221	ND	3.50	"							
PCB-1232	ND	3.50	"							
PCB-1242	ND	3.50	"							
PCB-1248	ND	3.50	"							
PCB-1254	ND	3.50	"							
PCB-1260	ND	3.50	"							
Surrogate: Tetrachloro-meta-xylene	*1.85*		"	*1.00*		*185*	*10-125*			H
Surrogate: Decachlorobiphenyl	*1.42*		"	*1.00*		*142*	*10-143*			
LCS (3060244-BS1)				Prepared & Analyzed: 06/10/03						
PCB-1016	5.12	3.50	mg/kg	10.0		51.2	10-133			
PCB-1260	5.21	3.50	"	10.0		52.1	14-134			
Surrogate: Tetrachloro-meta-xylene	*1.73*		"	*1.00*		*173*	*10-125*			H
Surrogate: Decachlorobiphenyl	*1.27*		"	*1.00*		*127*	*10-143*			
Duplicate (3060244-DUP1)				**Source: B306055-05**	Prepared & Analyzed: 06/10/03					
PCB-1016	ND	3.50	mg/kg		ND				20	
PCB-1221	ND	3.50	"		ND				20	
PCB-1232	ND	3.50	"		ND				20	
PCB-1242	ND	3.50	"		ND				20	
PCB-1248	ND	3.50	"		ND				20	
PCB-1254	ND	3.50	"		ND				20	
PCB-1260	ND	3.50	"		ND				20	
Surrogate: Tetrachloro-meta-xylene	*2.14*		"	*0.990*		*216*	*10-125*			H
Surrogate: Decachlorobiphenyl	*1.25*		"	*0.990*		*126*	*10-143*			
Duplicate (3060244-DUP2)				**Source: B306055-05RE1**	Prepared: 06/10/03 Analyzed: 06/11/03					
PCB-1016	ND	3.50	mg/kg		ND				20	
PCB-1221	ND	3.50	"		ND				20	
PCB-1232	ND	3.50	"		ND				20	
PCB-1242	ND	3.50	"		ND				20	
PCB-1248	ND	3.50	"		ND				20	
PCB-1254	ND	3.50	"		ND				20	
PCB-1260	ND	3.50	"		ND				20	
Surrogate: Tetrachloro-meta-xylene	*1.99*		"	*0.935*		*213*	*10-125*			H

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

GREAT LAKES ANALYTICAL

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EQM	Project: OMC - Waukegan	
1800 Carillon Blvd.	Project Number: 3141-117	**Reported:**
Cincinnati, OH 45240	Project Manager: Jackie Doan	06/12/03 10:14

Polychlorinated Biphenyls by EPA Method 8082 - Quality Control

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3060244 - EPA 3550B										
Duplicate (3060244-DUP2)			**Source: B306055-05RE1**	Prepared: 06/10/03	Analyzed: 06/11/03					
Surrogate: Decachlorobiphenyl	*1.02*		*mg/kg*	*0.935*		*109*	*10-143*			

Great Lakes Analytical--Buffalo Grove

Andy Johnson

Andy Johnson, Project Manager

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GREAT LAKES ANALYTICAL

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EQM	Project: OMC - Waukegan	
1800 Carillon Blvd.	Project Number: 3141-117	**Reported:**
Cincinnati, OH 45240	Project Manager: Jackie Doan	06/12/03 10:14

Notes and Definitions

G18	The recovery for this surrogate is outside the laboratory acceptance limits due to sample dilution.
G23	The sample was diluted due to the presence of high concentrations of non-target analytes.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
L	This quality control measurement is below the laboratory established limit.
H	This quality control measurement is above the laboratory established limit.

Great Lakes Analytical--Buffalo Grove Wisconsin DNR Certification Lab ID: 999917160

Great Lakes Analytical--Buffalo Grove NELAP Primary Accreditation: Illinois #100261

Great Lakes Analytical--Buffalo Grove NELAP Secondary Accreditation: New Jersey #IL001

Great Lakes Analytical--Oak Creek, WI Wisconsin DNR Certification Lab ID: 341000330

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

1800 Carillon Blvd
Cincinnati, OH 45240
(513) 825-7500

Environmental Quality Management, Inc.
Chain of Custody Record

COC Tracking: EQ-11750

Project No.: 3141-117

Project Name: OMC Waukegan

Samplers/Affiliation: (Print Name and Sign) Ken Brown for EQM

Lab P.O. No:

Sample ID:	Date	Time	Description/Matrix:	Sample Volume / Comments	No. of Containers	TESTS: PCBs (8082)
V4 GREENLEE OIL	6/2/03	1100	OIL	B306055-01	1	X
V4 GREENLEE SLUDGE	6/2/03	1120	SLUDGE	02	1	X
HYDROMATION SLUDGE	6/2/03	11:30	SLUDGE	03	1	X
CROSS TRANSFER SLUDGE	6/2/03	1200	SLUDGE	04	1	X
NEW DIE CAST TANK OIL	6/2/03	1330	OIL	05	1	X

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	6/3/03	10:20	[signature]	6/3	10:20
[signature]	6/3	1450	[signature]	6/4/03	640
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Ship To: JACKIE DOAN - EQM
1800 CARILLON BLVD.
CINCINNATI, OH 45240
FAX RESULTS TO: (513) 825-7495
AND (847) 782-0658

Airbill Number:

Reporting/QA Requirements:

Turn Around Time (EXACT DUE DATE): 6/10/03

Report To:

Chain of Custody Seal Numbers

4°C

Distribution: White - Accompani ipment Pink - Project Files Yellow - Laboratory File

GREAT
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ANALYTICAL

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13 June 2003

Jackie Doan
EQM
1800 Carillon Blvd.
Cincinnati, OH 45240
RE: OMC - Waukegan

Enclosed are the results of analyses for samples received by the laboratory on 06/05/03. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Great Lakes Analytical

Andy Johnson

Andy Johnson
Project Manager

GREAT LAKES ANALYTICAL

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(847) 808-7766 FAX (847) 808-77

EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 06/13/03 09:20

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GP-1 2-3'	B306107-01	Soil	06/04/03 09:30	06/05/03 10:10
GP-1 23-24'	B306107-02	Soil	06/04/03 11:00	06/05/03 10:10
GP-2 3-4'	B306107-03	Soil	06/04/03 11:30	06/05/03 10:10
GP-3 3-4'	B306107-04	Soil	06/04/03 11:50	06/05/03 10:10
GP-4 3-4'	B306107-05	Soil	06/04/03 12:20	06/05/03 10:10
GP-5 3-4'	B306107-06	Soil	06/04/03 12:50	06/05/03 10:10
GP-6 3-4'	B306107-07	Soil	06/04/03 13:15	06/05/03 10:10
GP-7 3'	B306107-08	Soil	06/04/03 13:30	06/05/03 10:10
GP-8 3-4'	B306107-09	Soil	06/04/03 14:00	06/05/03 10:10
GP-8 24'	B306107-10	Soil	06/04/03 15:00	06/05/03 10:10
GP-9 24'	B306107-11	Soil	06/04/03 16:30	06/05/03 10:10
GP-10 3'	B306107-12	Soil	06/04/03 17:00	06/05/03 10:10
GP-11 3'	B306107-13	Soil	06/04/03 17:10	06/05/03 10:1

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

GREAT LAKES ANALYTICAL

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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 06/13/03 09:20

Volatile Organic Compounds by EPA Method 5035/8260B

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GP-1 2-3' (B306107-01) Soil Sampled: 06/04/03 09:30 Received: 06/05/03 10:10									
Acetone	ND	31.9	ug/kg dry	1	3060253	06/11/03	06/11/03	5035/8260B	
Benzene	ND	6.37	"	"	"	"	"	"	
Bromodichloromethane	ND	6.37	"	"	"	"	"	"	
Bromoform	ND	6.37	"	"	"	"	"	"	
Bromomethane	ND	6.37	"	"	"	"	"	"	
2-Butanone	ND	12.7	"	"	"	"	"	"	
Carbon disulfide	ND	6.37	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.37	"	"	"	"	"	"	
Chlorobenzene	ND	6.37	"	"	"	"	"	"	
Chlorodibromomethane	ND	6.37	"	"	"	"	"	"	
Chloroethane	ND	6.37	"	"	"	"	"	"	
Chloroform	ND	6.37	"	"	"	"	"	"	
Chloromethane	ND	6.37	"	"	"	"	"	"	
1,1-Dichloroethane	ND	6.37	"	"	"	"	"	"	
[illegible]-Dichloroethane	ND	6.37	"	"	"	"	"	"	
[illegible]ichloroethene	ND	6.37	"	"	"	"	"	"	
[illegible]s-1,2-Dichloroethene	ND	6.37	"	"	"	"	"	"	
1,2-Dichloropropane	ND	6.37	"	"	"	"	"	"	
1,3-Dichloropropene (cis + trans)	ND	3.82	"	"	"	"	"	"	
Ethylbenzene	ND	6.37	"	"	"	"	"	"	
2-Hexanone	ND	12.7	"	"	"	"	"	"	
Methylene chloride	ND	6.37	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	12.7	"	"	"	"	"	"	
Styrene	ND	6.37	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	6.37	"	"	"	"	"	"	
Tetrachloroethene	ND	6.37	"	"	"	"	"	"	
Toluene	**6.97**	6.37	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	6.37	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	6.37	"	"	"	"	"	"	
Trichlorofluoromethane	ND	6.37	"	"	"	"	"	"	
Vinyl acetate	ND	12.7	"	"	"	"	"	"	
Vinyl chloride	ND	6.37	"	"	"	"	"	"	
Total Xylenes	ND	12.7	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*105 %*	*66.4-145*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*111 %*	*59.5-171*		"	"	"	"	
Surrogate: Toluene-d8		*96.4 %*	*64.5-139*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.4 %*	*45.8-145*		"	"	"	"	

[illegible]eat Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

GREAT LAKES ANALYTICAL

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EQM
1800 Carillon Blvd.
Cincinnati, OH 45240

Project: OMC - Waukegan
Project Number: 3141-117
Project Manager: Jackie Doan

Reported:
06/13/03 09:20

Volatile Organic Compounds by EPA Method 5035/8260B

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GP-1 2-3' (B306107-01RE2) Soil Sampled: 06/04/03 09:30 Received: 06/05/03 10:10									
cis-1,2-Dichloroethene	**1380**	257	ug/kg dry	50	3060253	06/11/03	06/12/03	5035/8260B	
Trichloroethene	**19000**	515	"	100	"	"	06/13/03	"	
Surrogate: Dibromofluoromethane		*96.4 %*	*66.4-145*		"	"	*06/12/03*	"	
Surrogate: 1,2-Dichloroethane-d4		*93.5 %*	*59.5-171*		"	"	"	"	
Surrogate: Toluene-d8		*96.6 %*	*64.5-139*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.6 %*	*45.8-145*		"	"	"	"	
GP-1 23-24' (B306107-02) Soil Sampled: 06/04/03 11:00 Received: 06/05/03 10:10									
Acetone	ND	30.6	ug/kg dry	1	3060253	06/11/03	06/12/03	5035/8260B	
Benzene	**11.0**	6.12	"	"	"	"	"	"	
Bromodichloromethane	ND	6.12	"	"	"	"	"	"	
Bromoform	ND	6.12	"	"	"	"	"	"	
Bromomethane	ND	6.12	"	"	"	"	"	"	
2-Butanone	ND	12.2	"	"	"	"	"	"	
Carbon disulfide	ND	6.12	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.12	"	"	"	"	"	"	
Chlorobenzene	ND	6.12	"	"	"	"	"	"	
Chlorodibromomethane	ND	6.12	"	"	"	"	"	"	
Chloroethane	ND	6.12	"	"	"	"	"	"	
Chloroform	ND	6.12	"	"	"	"	"	"	
Chloromethane	ND	6.12	"	"	"	"	"	"	
1,1-Dichloroethane	ND	6.12	"	"	"	"	"	"	
1,2-Dichloroethane	ND	6.12	"	"	"	"	"	"	
1,1-Dichloroethene	ND	6.12	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	6.12	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	6.12	"	"	"	"	"	"	
1,2-Dichloropropane	ND	6.12	"	"	"	"	"	"	
1,3-Dichloropropene (cis + trans)	ND	3.67	"	"	"	"	"	"	
Ethylbenzene	ND	6.12	"	"	"	"	"	"	
2-Hexanone	ND	12.2	"	"	"	"	"	"	
Methylene chloride	ND	6.12	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	12.2	"	"	"	"	"	"	
Styrene	ND	6.12	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	6.12	"	"	"	"	"	"	
Tetrachloroethene	ND	6.12	"	"	"	"	"	"	
Toluene	**18.1**	6.12	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	6.12	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	6.12	"	"	"	"	"	"	
Trichloroethene	**7.03**	6.12	"	"	"	"	"	"	
Trichlorofluoromethane	ND	6.12	"	"	"	"	"	"	
Vinyl acetate	ND	12.2	"	"	"	"	"	"	
Vinyl chloride	ND	6.12	"	"	"	"	"	"	

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 06/13/03 09:20

Volatile Organic Compounds by EPA Method 5035/8260B

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GP-1 23-24' (B306107-02) Soil Sampled: 06/04/03 11:00 Received: 06/05/03 10:10									
Total Xylenes	ND	12.2	ug/kg dry	1	3060253	06/11/03	06/12/03	5035/8260B	
Surrogate: Dibromofluoromethane		*86.7 %*	*66.4-145*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*87.0 %*	*59.5-171*		"	"	"	"	
Surrogate: Toluene-d8		*101 %*	*64.5-139*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.0 %*	*45.8-145*		"	"	"	"	
GP-2 3-4' (B306107-03) Soil Sampled: 06/04/03 11:30 Received: 06/05/03 10:10									
Acetone	ND	30.5	ug/kg dry	1	3060253	06/11/03	06/12/03	5035/8260B	
Benzene	**8.74**	6.10	"	"	"	"	"	"	
Bromodichloromethane	ND	6.10	"	"	"	"	"	"	
Bromoform	ND	6.10	"	"	"	"	"	"	
Bromomethane	ND	6.10	"	"	"	"	"	"	
2-Butanone	ND	12.2	"	"	"	"	"	"	
Carbon disulfide	**7.31**	6.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.10	"	"	"	"	"	"	
Chlorobenzene	ND	6.10	"	"	"	"	"	"	
Chlorodibromomethane	ND	6.10	"	"	"	"	"	"	
Chloroethane	ND	6.10	"	"	"	"	"	"	
Chloroform	ND	6.10	"	"	"	"	"	"	
Chloromethane	ND	6.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	6.10	"	"	"	"	"	"	
1,2-Dichloroethane	ND	6.10	"	"	"	"	"	"	
1,1-Dichloroethene	ND	6.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	6.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	6.10	"	"	"	"	"	"	
1,2-Dichloropropane	ND	6.10	"	"	"	"	"	"	
1,3-Dichloropropene (cis + trans)	ND	3.66	"	"	"	"	"	"	
Ethylbenzene	ND	6.10	"	"	"	"	"	"	
2-Hexanone	ND	12.2	"	"	"	"	"	"	
Methylene chloride	ND	6.10	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	12.2	"	"	"	"	"	"	
Styrene	ND	6.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	6.10	"	"	"	"	"	"	
Tetrachloroethene	ND	6.10	"	"	"	"	"	"	
Toluene	**17.0**	6.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	6.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	6.10	"	"	"	"	"	"	
Trichloroethene	ND	6.10	"	"	"	"	"	"	
Trichlorofluoromethane	ND	6.10	"	"	"	"	"	"	
Vinyl acetate	ND	12.2	"	"	"	"	"	"	
Vinyl chloride	ND	6.10	"	"	"	"	"	"	
Total Xylenes	ND	12.2	"	"	"	"	"	"	

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	Reported: 06/13/03 09:20

Volatile Organic Compounds by EPA Method 5035/8260B

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GP-2 3-4' (B306107-03) Soil Sampled: 06/04/03 11:30 Received: 06/05/03 10:10									
Surrogate: Dibromofluoromethane		*107 %*	*66.4-145*		*3060253*	*06/11/03*	*06/12/03*	*5035/8260B*	
Surrogate: 1,2-Dichloroethane-d4		*118 %*	*59.5-171*		"	"	"	"	
Surrogate: Toluene-d8		*102 %*	*64.5-139*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*103 %*	*45.8-145*		"	"	"	"	
GP-3 3-4' (B306107-04) Soil Sampled: 06/04/03 11:50 Received: 06/05/03 10:10									
Acetone	**58.2**	26.0	ug/kg dry	1	3060253	06/11/03	06/12/03	5035/8260B	A
Benzene	ND	5.20	"	"	"	"	"	"	
Bromodichloromethane	ND	5.20	"	"	"	"	"	"	
Bromoform	ND	5.20	"	"	"	"	"	"	
Bromomethane	ND	5.20	"	"	"	"	"	"	
2-Butanone	**13.0**	10.4	"	"	"	"	"	"	A
Carbon disulfide	ND	5.20	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.20	"	"	"	"	"	"	
Chlorobenzene	ND	5.20	"	"	"	"	"	"	
Chlorodibromomethane	ND	5.20	"	"	"	"	"	"	
Chloroethane	ND	5.20	"	"	"	"	"	"	
Chloroform	ND	5.20	"	"	"	"	"	"	
Chloromethane	ND	5.20	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.20	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.20	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.20	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**14.6**	5.20	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.20	"	"	"	"	"	"	
1,3-Dichloropropene (cis + trans)	ND	3.12	"	"	"	"	"	"	
Ethylbenzene	ND	5.20	"	"	"	"	"	"	
2-Hexanone	ND	10.4	"	"	"	"	"	"	
Methylene chloride	ND	5.20	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	10.4	"	"	"	"	"	"	
Styrene	ND	5.20	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.20	"	"	"	"	"	"	
Tetrachloroethene	ND	5.20	"	"	"	"	"	"	
Toluene	ND	5.20	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.20	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.20	"	"	"	"	"	"	
Trichloroethene	ND	5.20	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.20	"	"	"	"	"	"	
Vinyl acetate	ND	10.4	"	"	"	"	"	"	
Vinyl chloride	ND	5.20	"	"	"	"	"	"	
Total Xylenes	ND	10.4	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*110 %*	*66.4-145*		"	"	"	"	

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	Reported: 06/13/03 09:20

Volatile Organic Compounds by EPA Method 5035/8260B

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GP-3 3-4' (B306107-04) Soil Sampled: 06/04/03 11:50 Received: 06/05/03 10:10									
Surrogate: 1,2-Dichloroethane-d4		*119 %*	*59.5-171*		*3060253*	*06/11/03*	*06/12/03*	*5035/8260B*	
Surrogate: Toluene-d8		*102 %*	*64.5-139*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.6 %*	*45.8-145*		"	"	"	"	
GP-4 3-4' (B306107-05) Soil Sampled: 06/04/03 12:20 Received: 06/05/03 10:10									
Acetone	ND	25.5	ug/kg dry	1	3060253	06/11/03	06/12/03	5035/8260B	
Benzene	**5.31**	5.10	"	"	"	"	"	"	
Bromodichloromethane	ND	5.10	"	"	"	"	"	"	
Bromoform	ND	5.10	"	"	"	"	"	"	
Bromomethane	ND	5.10	"	"	"	"	"	"	
2-Butanone	**23.4**	10.2	"	"	"	"	"	"	A
Carbon disulfide	ND	5.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.10	"	"	"	"	"	"	
Chlorobenzene	ND	5.10	"	"	"	"	"	"	
Chlorodibromomethane	ND	5.10	"	"	"	"	"	"	
[illegible]oethane	ND	5.10	"	"	"	"	"	"	
[illegible]roform	ND	5.10	"	"	"	"	"	"	
Chloromethane	ND	5.10	"	"	"	"	"	"	
1,1-Dichloroethane	**44.0**	5.10	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.10	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**18.5**	5.10	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.10	"	"	"	"	"	"	
1,3-Dichloropropene (cis + trans)	ND	3.06	"	"	"	"	"	"	
Ethylbenzene	ND	5.10	"	"	"	"	"	"	
2-Hexanone	ND	10.2	"	"	"	"	"	"	
Methylene chloride	ND	5.10	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	10.2	"	"	"	"	"	"	
Styrene	ND	5.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.10	"	"	"	"	"	"	
Tetrachloroethene	ND	5.10	"	"	"	"	"	"	
Toluene	**10.4**	5.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.10	"	"	"	"	"	"	
Trichloroethene	**7.10**	5.10	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.10	"	"	"	"	"	"	
Vinyl acetate	ND	10.2	"	"	"	"	"	"	
Vinyl chloride	ND	5.10	"	"	"	"	"	"	
Total Xylenes	ND	10.2	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*109 %*	*66.4-145*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*119 %*	*59.5-171*		"	"	"	"	
Surrogate: Toluene-d8		*102 %*	*64.5-139*		"	"	"	"	

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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 06/13/03 09:20

Volatile Organic Compounds by EPA Method 5035/8260B

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GP-4 3-4' (B306107-05) Soil Sampled: 06/04/03 12:20 Received: 06/05/03 10:10									
Surrogate: 4-Bromofluorobenzene		*93.5 %*		*45.8-145*	*3060253*	*06/11/03*	*06/12/03*	*5035/8260B*	
GP-4 3-4' (B306107-05RE2) Soil Sampled: 06/04/03 12:20 Received: 06/05/03 10:10									
cis-1,2-Dichloroethene	794	286	ug/kg dry	50	3060253	06/11/03	06/12/03	5035/8260B	
Surrogate: Dibromofluoromethane		*96.7 %*		*66.4-145*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*95.1 %*		*59.5-171*	"	"	"	"	
Surrogate: Toluene-d8		*98.1 %*		*64.5-139*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*108 %*		*45.8-145*	"	"	"	"	
GP-5 3-4' (B306107-06) Soil Sampled: 06/04/03 12:50 Received: 06/05/03 10:10									
Acetone	ND	27.4	ug/kg dry	1	3060253	06/11/03	06/12/03	5035/8260B	
Benzene	**7.61**	5.47	"	"	"	"	"	"	
Bromodichloromethane	ND	5.47	"	"	"	"	"	"	
Bromoform	ND	5.47	"	"	"	"	"	"	
Bromomethane	ND	5.47	"	"	"	"	"	"	
2-Butanone	ND	10.9	"	"	"	"	"	"	
Carbon disulfide	ND	5.47	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.47	"	"	"	"	"	"	
Chlorobenzene	ND	5.47	"	"	"	"	"	"	
Chlorodibromomethane	ND	5.47	"	"	"	"	"	"	
Chloroethane	ND	5.47	"	"	"	"	"	"	
Chloroform	ND	5.47	"	"	"	"	"	"	
Chloromethane	ND	5.47	"	"	"	"	"	"	
1,1-Dichloroethane	**5.54**	5.47	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.47	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.47	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**51.8**	5.47	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.47	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.47	"	"	"	"	"	"	
1,3-Dichloropropene (cis + trans)	ND	3.28	"	"	"	"	"	"	
Ethylbenzene	ND	5.47	"	"	"	"	"	"	
2-Hexanone	ND	10.9	"	"	"	"	"	"	
Methylene chloride	ND	5.47	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	10.9	"	"	"	"	"	"	
Styrene	ND	5.47	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.47	"	"	"	"	"	"	
Tetrachloroethene	ND	5.47	"	"	"	"	"	"	
Toluene	**14.5**	5.47	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.47	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.47	"	"	"	"	"	"	
Trichloroethene	ND	5.47	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.47	"	"	"	"	"	"	

Great Lakes Analytical--Buffalo Grove

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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	Reported: 06/13/03 09:20

Volatile Organic Compounds by EPA Method 5035/8260B

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GP-5 3-4' (B306107-06) Soil Sampled: 06/04/03 12:50 Received: 06/05/03 10:10									
Vinyl acetate	ND	10.9	ug/kg dry	1	3060253	06/11/03	06/12/03	5035/8260B	
Vinyl chloride	ND	5.47	"	"	"	"	"	"	
Total Xylenes	ND	10.9	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*108 %*	*66.4-145*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*117 %*	*59.5-171*		"	"	"	"	
Surrogate: Toluene-d8		*106 %*	*64.5-139*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*107 %*	*45.8-145*		"	"	"	"	
GP-6 3-4' (B306107-07) Soil Sampled: 06/04/03 13:15 Received: 06/05/03 10:10									
Acetone	ND	32.2	ug/kg dry	1	3060253	06/11/03	06/12/03	5035/8260B	
Benzene	ND	6.44	"	"	"	"	"	"	
Bromodichloromethane	ND	6.44	"	"	"	"	"	"	
Bromoform	ND	6.44	"	"	"	"	"	"	
Bromomethane	ND	6.44	"	"	"	"	"	"	
2-Butanone	ND	12.9	"	"	"	"	"	"	
Carbon disulfide	ND	6.44	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.44	"	"	"	"	"	"	
Chlorobenzene	ND	6.44	"	"	"	"	"	"	
Chlorodibromomethane	ND	6.44	"	"	"	"	"	"	
Chloroethane	ND	6.44	"	"	"	"	"	"	
Chloroform	ND	6.44	"	"	"	"	"	"	
Chloromethane	ND	6.44	"	"	"	"	"	"	
1,1-Dichloroethane	ND	6.44	"	"	"	"	"	"	
1,2-Dichloroethane	ND	6.44	"	"	"	"	"	"	
1,1-Dichloroethene	ND	6.44	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	6.44	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	6.44	"	"	"	"	"	"	
1,2-Dichloropropane	ND	6.44	"	"	"	"	"	"	
1,3-Dichloropropene (cis + trans)	ND	3.86	"	"	"	"	"	"	
Ethylbenzene	ND	6.44	"	"	"	"	"	"	
2-Hexanone	ND	12.9	"	"	"	"	"	"	
Methylene chloride	ND	6.44	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	12.9	"	"	"	"	"	"	
Styrene	ND	6.44	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	6.44	"	"	"	"	"	"	
Tetrachloroethene	ND	6.44	"	"	"	"	"	"	
Toluene	**7.35**	6.44	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	6.44	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	6.44	"	"	"	"	"	"	
Trichloroethene	ND	6.44	"	"	"	"	"	"	
Trichlorofluoromethane	ND	6.44	"	"	"	"	"	"	
Vinyl acetate	ND	12.9	"	"	"	"	"	"	

Great Lakes Analytical--Buffalo Grove

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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	Reported: 06/13/03 09:20

Volatile Organic Compounds by EPA Method 5035/8260B

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GP-6 3-4' (B306107-07) Soil Sampled: 06/04/03 13:15 Received: 06/05/03 10:10									
Vinyl chloride	ND	6.44	ug/kg dry	1	3060253	06/11/03	06/12/03	5035/8260B	
Total Xylenes	ND	12.9	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*111 %*	*66.4-145*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*117 %*	*59.5-171*		"	"	"	"	
Surrogate: Toluene-d8		*103 %*	*64.5-139*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96.6 %*	*45.8-145*		"	"	"	"	
GP-7 3' (B306107-08) Soil Sampled: 06/04/03 13:30 Received: 06/05/03 10:10									
Acetone	ND	29.1	ug/kg dry	1	3060253	06/11/03	06/12/03	5035/8260B	
Benzene	ND	5.81	"	"	"	"	"	"	
Bromodichloromethane	ND	5.81	"	"	"	"	"	"	
Bromoform	ND	5.81	"	"	"	"	"	"	
Bromomethane	ND	5.81	"	"	"	"	"	"	
2-Butanone	ND	11.6	"	"	"	"	"	"	
Carbon disulfide	ND	5.81	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.81	"	"	"	"	"	"	
Chlorobenzene	ND	5.81	"	"	"	"	"	"	
Chlorodibromomethane	ND	5.81	"	"	"	"	"	"	
Chloroethane	ND	5.81	"	"	"	"	"	"	
Chloroform	ND	5.81	"	"	"	"	"	"	
Chloromethane	ND	5.81	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.81	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.81	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.81	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.81	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.81	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.81	"	"	"	"	"	"	
1,3-Dichloropropene (cis + trans)	ND	3.49	"	"	"	"	"	"	
Ethylbenzene	ND	5.81	"	"	"	"	"	"	
2-Hexanone	ND	11.6	"	"	"	"	"	"	
Methylene chloride	ND	5.81	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	11.6	"	"	"	"	"	"	
Styrene	ND	5.81	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.81	"	"	"	"	"	"	
Tetrachloroethene	ND	5.81	"	"	"	"	"	"	
Toluene	**11.6**	5.81	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.81	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.81	"	"	"	"	"	"	
Trichloroethene	ND	5.81	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.81	"	"	"	"	"	"	
Vinyl acetate	ND	11.6	"	"	"	"	"	"	
Vinyl chloride	ND	5.81	"	"	"	"	"	"	

Great Lakes Analytical--Buffalo Grove

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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	Reported: 06/13/03 09:20

Volatile Organic Compounds by EPA Method 5035/8260B

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GP-7 3' (B306107-08) Soil Sampled: 06/04/03 13:30 Received: 06/05/03 10:10									
Total Xylenes	ND	11.6	ug/kg dry	1	3060253	06/11/03	06/12/03	5035/8260B	
Surrogate: Dibromofluoromethane		*110 %*	*66.4-145*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*120 %*	*59.5-171*		"	"	"	"	
Surrogate: Toluene-d8		*105 %*	*64.5-139*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.4 %*	*45.8-145*		"	"	"	"	
GP-8 3-4' (B306107-09) Soil Sampled: 06/04/03 14:00 Received: 06/05/03 10:10									
Acetone	ND	23.3	ug/kg dry	1	3060253	06/11/03	06/12/03	5035/8260B	
Benzene	**5.90**	4.65	"	"	"	"	"	"	
Bromodichloromethane	ND	4.65	"	"	"	"	"	"	
Bromoform	ND	4.65	"	"	"	"	"	"	
Bromomethane	ND	4.65	"	"	"	"	"	"	
2-Butanone	**108**	9.31	"	"	"	"	"	"	A
Carbon disulfide	**61.7**	4.65	"	"	"	"	"	"	
[illegible]n tetrachloride	ND	4.65	"	"	"	"	"	"	
[illegible]obenzene	ND	4.65	"	"	"	"	"	"	
[illegible]rodibromomethane	ND	4.65	"	"	"	"	"	"	
Chloroethane	ND	4.65	"	"	"	"	"	"	
Chloroform	ND	4.65	"	"	"	"	"	"	
Chloromethane	ND	4.65	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.65	"	"	"	"	"	"	
1,2-Dichloroethane	ND	4.65	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.65	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**29.6**	4.65	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	4.65	"	"	"	"	"	"	
1,2-Dichloropropane	ND	4.65	"	"	"	"	"	"	
1,3-Dichloropropene (cis + trans)	ND	2.79	"	"	"	"	"	"	
Ethylbenzene	**8.79**	4.65	"	"	"	"	"	"	
2-Hexanone	ND	9.31	"	"	"	"	"	"	
Methylene chloride	ND	4.65	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	9.31	"	"	"	"	"	"	
Styrene	ND	4.65	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	4.65	"	"	"	"	"	"	
Tetrachloroethene	ND	4.65	"	"	"	"	"	"	
Toluene	**15.8**	4.65	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	4.65	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	4.65	"	"	"	"	"	"	
Trichloroethene	**59.7**	4.65	"	"	"	"	"	"	
Trichlorofluoromethane	ND	4.65	"	"	"	"	"	"	
Vinyl acetate	ND	9.31	"	"	"	"	"	"	
Vinyl chloride	ND	4.65	"	"	"	"	"	"	
Total Xylenes	**56.3**	9.31	"	"	"	"	"	"	

Great Lakes Analytical--Buffalo Grove

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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	Reported: 06/13/03 09:20

Volatile Organic Compounds by EPA Method 5035/8260B

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GP-8 3-4' (B306107-09) Soil Sampled: 06/04/03 14:00 Received: 06/05/03 10:10									
Surrogate: Dibromofluoromethane		*123 %*	*66.4-145*		*3060253*	*06/11/03*	*06/12/03*	*5035/8260B*	
Surrogate: 1,2-Dichloroethane-d4		*130 %*	*59.5-171*		"	"	"	"	
Surrogate: Toluene-d8		*90.1 %*	*64.5-139*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*39.6 %*	*45.8-145*		"	"	"	"	L
GP-8 24' (B306107-10) Soil Sampled: 06/04/03 15:00 Received: 06/05/03 10:10									
Acetone	ND	31.9	ug/kg dry	1	3060253	06/11/03	06/12/03	5035/8260B	
Benzene	**11.0**	6.38	"	"	"	"	"	"	
Bromodichloromethane	ND	6.38	"	"	"	"	"	"	
Bromoform	ND	6.38	"	"	"	"	"	"	
Bromomethane	ND	6.38	"	"	"	"	"	"	
2-Butanone	ND	12.8	"	"	"	"	"	"	
Carbon disulfide	**21.1**	6.38	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.38	"	"	"	"	"	"	
Chlorobenzene	ND	6.38	"	"	"	"	"	"	
Chlorodibromomethane	ND	6.38	"	"	"	"	"	"	
Chloroethane	ND	6.38	"	"	"	"	"	"	
Chloroform	ND	6.38	"	"	"	"	"	"	
Chloromethane	ND	6.38	"	"	"	"	"	"	
1,1-Dichloroethane	**7.64**	6.38	"	"	"	"	"	"	
1,2-Dichloroethane	ND	6.38	"	"	"	"	"	"	
1,1-Dichloroethene	**119**	6.38	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**236**	6.38	"	"	"	"	"	"	
1,2-Dichloropropane	ND	6.38	"	"	"	"	"	"	
1,3-Dichloropropene (cis + trans)	ND	3.83	"	"	"	"	"	"	
Ethylbenzene	ND	6.38	"	"	"	"	"	"	
2-Hexanone	ND	12.8	"	"	"	"	"	"	
Methylene chloride	ND	6.38	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	12.8	"	"	"	"	"	"	
Styrene	ND	6.38	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	6.38	"	"	"	"	"	"	
Tetrachloroethene	**10.6**	6.38	"	"	"	"	"	"	
Toluene	**12.5**	6.38	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	6.38	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	6.38	"	"	"	"	"	"	
Trichlorofluoromethane	ND	6.38	"	"	"	"	"	"	
Vinyl acetate	ND	12.8	"	"	"	"	"	"	
Vinyl chloride	**435**	6.38	"	"	"	"	"	"	A-01, E
Total Xylenes	**12.9**	12.8	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*104 %*	*66.4-145*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*114 %*	*59.5-171*		"	"	"	"	
Surrogate: Toluene-d8		*63.7 %*	*64.5-139*		"	"	"	"	L

Great Lakes Analytical--Buffalo Grove

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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	Reported: 06/13/03 09:20

Volatile Organic Compounds by EPA Method 5035/8260B

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GP-8 24' (B306107-10) Soil Sampled: 06/04/03 15:00 Received: 06/05/03 10:10									
Surrogate: 4-Bromofluorobenzene		*112 %*		*45.8-145*	*3060253*	*06/11/03*	*06/12/03*	*5035/8260B*	
GP-8 24' (B306107-10RE2) Soil Sampled: 06/04/03 15:00 Received: 06/05/03 10:10									
cis-1,2-Dichloroethene	**35000**	638	ug/kg dry	100	3060253	06/11/03	06/12/03	5035/8260B	
Trichloroethene	**268000**	6380	"	1000	"	"	06/13/03	"	
Vinyl chloride	ND	319	"	50	"	"	06/13/03	"	A-01a
Surrogate: Dibromofluoromethane		*96.4 %*		*66.4-145*	"	"	*06/12/03*	"	
Surrogate: 1,2-Dichloroethane-d4		*92.5 %*		*59.5-171*	"	"	"	"	
Surrogate: Toluene-d8		*101 %*		*64.5-139*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*103 %*		*45.8-145*	"	"	"	"	
GP-9 24' (B306107-11) Soil Sampled: 06/04/03 16:30 Received: 06/05/03 10:10									
Acetone	ND	29.8	ug/kg dry	1	3060253	06/11/03	06/12/03	5035/8260B	
Benzene	**12.3**	5.96	"	"	"	"	"	"	
[illegible]odichloromethane	ND	5.96	"	"	"	"	"	"	
[illegible]loform	ND	5.96	"	"	"	"	"	"	
[illegible]omomethane	ND	5.96	"	"	"	"	"	"	
2-Butanone	ND	11.9	"	"	"	"	"	"	
Carbon disulfide	ND	5.96	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.96	"	"	"	"	"	"	
Chlorobenzene	ND	5.96	"	"	"	"	"	"	
Chlorodibromomethane	ND	5.96	"	"	"	"	"	"	
Chloroethane	ND	5.96	"	"	"	"	"	"	
Chloroform	ND	5.96	"	"	"	"	"	"	
Chloromethane	**6.68**	5.96	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.96	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.96	"	"	"	"	"	"	
1,1-Dichloroethene	**20.6**	5.96	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.96	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.96	"	"	"	"	"	"	
1,3-Dichloropropene (cis + trans)	ND	3.58	"	"	"	"	"	"	
Ethylbenzene	ND	5.96	"	"	"	"	"	"	
2-Hexanone	ND	11.9	"	"	"	"	"	"	
Methylene chloride	ND	5.96	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	11.9	"	"	"	"	"	"	
Styrene	ND	5.96	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.96	"	"	"	"	"	"	
Tetrachloroethene	ND	5.96	"	"	"	"	"	"	
Toluene	**18.2**	5.96	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.96	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.96	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.96	"	"	"	"	"	"	

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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 06/13/03 09:20

Volatile Organic Compounds by EPA Method 5035/8260B

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GP-9 24' (B306107-11) Soil Sampled: 06/04/03 16:30 Received: 06/05/03 10:10									
Vinyl acetate	ND	11.9	ug/kg dry	1	3060253	06/11/03	06/12/03	5035/8260B	
Vinyl chloride	**7.53**	5.96	"	"	"	"	"	"	
Total Xylenes	ND	11.9	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*104 %*	*66.4-145*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*116 %*	*59.5-171*		"	"	"	"	
Surrogate: Toluene-d8		*76.6 %*	*64.5-139*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*120 %*	*45.8-145*		"	"	"	"	
GP-9 24' (B306107-11RE2) Soil Sampled: 06/04/03 16:30 Received: 06/05/03 10:10									
cis-1,2-Dichloroethene	**3820**	596	ug/kg dry	100	3060253	06/11/03	06/12/03	5035/8260B	
Trichloroethene	**80800**	2980	"	500	"	"	06/13/03	"	
Surrogate: Dibromofluoromethane		*96.6 %*	*66.4-145*		"	"	*06/12/03*	"	
Surrogate: 1,2-Dichloroethane-d4		*94.0 %*	*59.5-171*		"	"	"	"	
Surrogate: Toluene-d8		*100 %*	*64.5-139*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*	*45.8-145*		"	"	"	"	

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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	Reported: 06/13/03 09:20

Polychlorinated Biphenyls by EPA Method 8082

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GP-5 3-4' (B306107-06) Soil Sampled: 06/04/03 12:50 Received: 06/05/03 10:10									
PCB-1016	ND	27.4	ug/kg dry	1	3060201	06/09/03	06/10/03	EPA 8082	
PCB-1221	ND	27.4	"	"	"	"	"	"	
PCB-1232	ND	27.4	"	"	"	"	"	"	
PCB-1242	ND	27.4	"	"	"	"	"	"	
PCB-1248	**604**	274	"	10	"	"	06/11/03	"	
PCB-1254	ND	27.4	"	1	"	"	06/10/03	"	
PCB-1260	ND	27.4	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*10.2 %*	*10-125*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*29.1 %*	*10-143*		"	"	"	"	
GP-7 3' (B306107-08) Soil Sampled: 06/04/03 13:30 Received: 06/05/03 10:10									
PCB-1016	ND	29.1	ug/kg dry	1	3060201	06/09/03	06/10/03	EPA 8082	
PCB-1221	ND	29.1	"	"	"	"	"	"	
PCB-1232	ND	29.1	"	"	"	"	"	"	
PCB-1242	ND	29.1	"	"	"	"	"	"	
PCB-1248	ND	29.1	"	"	"	"	"	"	
PCB-1254	ND	29.1	"	"	"	"	"	"	
PCB-1260	ND	29.1	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*3.42 %*	*10-125*		"	"	"	"	L
Surrogate: Decachlorobiphenyl		*23.0 %*	*10-143*		"	"	"	"	
GP-7 3' (B306107-08RE1) Soil Sampled: 06/04/03 13:30 Received: 06/05/03 10:10									
PCB-1016	ND	29.1	ug/kg dry	1	3060281	06/09/03	06/12/03	EPA 8082	
PCB-1221	ND	29.1	"	"	"	"	"	"	
PCB-1232	ND	29.1	"	"	"	"	"	"	
PCB-1242	ND	29.1	"	"	"	"	"	"	
PCB-1248	ND	29.1	"	"	"	"	"	"	
PCB-1254	ND	29.1	"	"	"	"	"	"	
PCB-1260	ND	29.1	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*22.8 %*	*10-125*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*22.6 %*	*10-143*		"	"	"	"	

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EQM	Project: OMC - Waukegan	
1800 Carillon Blvd.	Project Number: 3141-117	Reported:
Cincinnati, OH 45240	Project Manager: Jackie Doan	06/13/03 09:20

Polychlorinated Biphenyls by EPA Method 8082

Great Lakes Analytical–Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GP-8 3-4' (B306107-09) Soil Sampled: 06/04/03 14:00 Received: 06/05/03 10:10									
PCB-1016	ND	75.9	ug/kg dry	1	3060201	06/09/03	06/10/03	EPA 8082	
PCB-1221	ND	75.9	"	"	"	"	"	"	
PCB-1232	ND	75.9	"	"	"	"	"	"	
PCB-1242	ND	75.9	"	"	"	"	"	"	
PCB-1248	**7170**	3790	"	50	"	"	06/12/03	"	
PCB-1254	ND	75.9	"	1	"	"	06/10/03	"	
PCB-1260	ND	75.9	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*75.8 %*	*10-125*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*27.2 %*	*10-143*		"	"	"	"	
GP-10 3' (B306107-12) Soil Sampled: 06/04/03 17:00 Received: 06/05/03 10:10									
PCB-1016	ND	29.0	ug/kg dry	1	3060201	06/09/03	06/10/03	EPA 8082	
PCB-1221	ND	29.0	"	"	"	"	"	"	
PCB-1232	ND	29.0	"	"	"	"	"	"	
PCB-1242	ND	29.0	"	"	"	"	"	"	
PCB-1248	ND	29.0	"	"	"	"	"	"	
PCB-1254	ND	29.0	"	"	"	"	"	"	
PCB-1260	ND	29.0	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*8.12 %*	*10-125*		"	"	"	"	L
Surrogate: Decachlorobiphenyl		*37.8 %*	*10-143*		"	"	"	"	
GP-10 3' (B306107-12RE1) Soil Sampled: 06/04/03 17:00 Received: 06/05/03 10:10									
PCB-1016	ND	29.0	ug/kg dry	1	3060281	06/09/03	06/12/03	EPA 8082	
PCB-1221	ND	29.0	"	"	"	"	"	"	
PCB-1232	ND	29.0	"	"	"	"	"	"	
PCB-1242	ND	29.0	"	"	"	"	"	"	
PCB-1248	**119**	58.1	"	2	"	"	06/12/03	"	
PCB-1254	ND	29.0	"	1	"	"	06/12/03	"	
PCB-1260	ND	29.0	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*57.9 %*	*10-125*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*37.1 %*	*10-143*		"	"	"	"	

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Cincinnati, OH 45240

Project: OMC - Waukegan
Project Number: 3141-117
Project Manager: Jackie Doan

Reported:
06/13/03 09:20

Polychlorinated Biphenyls by EPA Method 8082

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GP-11 3' (B306107-13) Soil Sampled: 06/04/03 17:10 Received: 06/05/03 10:10									
PCB-1016	ND	28.7	ug/kg dry	1	3060201	06/09/03	06/10/03	EPA 8082	
PCB-1221	ND	28.7	"	"	"	"	"	"	
PCB-1232	ND	28.7	"	"	"	"	"	"	
PCB-1242	ND	28.7	"	"	"	"	"	"	
PCB-1248	ND	28.7	"	"	"	"	"	"	
PCB-1254	ND	28.7	"	"	"	"	"	"	
PCB-1260	ND	28.7	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*12.3 %*	*10-125*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*32.6 %*	*10-143*		"	"	"	"	

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1800 Carillon Blvd.
Cincinnati, OH 45240

Project: OMC - Waukegan
Project Number: 3141-117
Project Manager: Jackie Doan

Reported:
06/13/03 09:20

Percent Solids

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GP-1 2-3' (B306107-01) Soil Sampled: 06/04/03 09:30 Received: 06/05/03 10:10									
% Solids	**97.1**	0.200	%	1	3060197	06/08/03	06/09/03	EPA 5035 7.5	
GP-1 23-24' (B306107-02) Soil Sampled: 06/04/03 11:00 Received: 06/05/03 10:10									
% Solids	**81.8**	0.200	%	1	3060197	06/08/03	06/09/03	EPA 5035 7.5	
GP-2 3-4' (B306107-03) Soil Sampled: 06/04/03 11:30 Received: 06/05/03 10:10									
% Solids	**82.0**	0.200	%	1	3060197	06/08/03	06/09/03	EPA 5035 7.5	
GP-3 3-4' (B306107-04) Soil Sampled: 06/04/03 11:50 Received: 06/05/03 10:10									
% Solids	**86.0**	0.200	%	1	3060197	06/08/03	06/09/03	EPA 5035 7.5	
GP-4 3-4' (B306107-05) Soil Sampled: 06/04/03 12:20 Received: 06/05/03 10:10									
% Solids	**87.3**	0.200	%	1	3060197	06/08/03	06/09/03	EPA 5035 7.5	
GP-5 3-4' (B306107-06) Soil Sampled: 06/04/03 12:50 Received: 06/05/03 10:10									
% Solids	**91.3**	0.200	%	1	3060197	06/08/03	06/09/03	EPA 5035 7.5	
GP-6 3-4' (B306107-07) Soil Sampled: 06/04/03 13:15 Received: 06/05/03 10:10									
% Solids	**77.6**	0.200	%	1	3060197	06/08/03	06/09/03	EPA 5035 7.5	
GP-7 3' (B306107-08) Soil Sampled: 06/04/03 13:30 Received: 06/05/03 10:10									
% Solids	**86.0**	0.200	%	1	3060197	06/08/03	06/09/03	EPA 5035 7.5	
GP-8 3-4' (B306107-09) Soil Sampled: 06/04/03 14:00 Received: 06/05/03 10:10									
% Solids	**90.8**	0.200	%	1	3060197	06/08/03	06/09/03	EPA 5035 7.5	

Great Lakes Analytical--Buffalo Grove

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Andy Johnson, Project Manager

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	Reported: 06/13/03 16:07

Total Petroleum Hydrocarbons as Diesel by EPA 8015M (C10-C40)

Great Lakes Analytical--Oak Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GP-8 3-4' (B306107-09) Soil Sampled: 06/04/03 14:00 Received: 06/05/03 10:10									**B, T11, T15**
Diesel (C10-C40)	**52700**	1000	mg/kg dry	200	3060044	06/11/03	06/12/03	EPA 8015M	

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 06/13/03 09:20

Percent Solids

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GP-8 24' (B306107-10) Soil	**Sampled: 06/04/03 15:00**	**Received: 06/05/03 10:10**							
% Solids	**78.3**	0.200	%	1	3060197	06/08/03	06/09/03	EPA 5035 7.5	
GP-9 24' (B306107-11) Soil	**Sampled: 06/04/03 16:30**	**Received: 06/05/03 10:10**							
% Solids	**83.9**	0.200	%	1	3060197	06/08/03	06/09/03	EPA 5035 7.5	
GP-10 3' (B306107-12) Soil	**Sampled: 06/04/03 17:00**	**Received: 06/05/03 10:10**							
% Solids	**86.1**	0.200	%	1	3060197	06/08/03	06/09/03	EPA 5035 7.5	
GP-11 3' (B306107-13) Soil	**Sampled: 06/04/03 17:10**	**Received: 06/05/03 10:10**							
% Solids	**87.1**	0.200	%	1	3060197	06/08/03	06/09/03	EPA 5035 7.5	

Great Lakes Analytical--Buffalo Grove

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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 06/13/03 09:20

Notes and Definitions

A	The concentration of the analyte detected in the sample is characteristic of a laboratory artifact.
A-01	This result does not confirm with the result from the methanol vial.
A-01a	This result does not confirm with the result from the sodium bisulfate vial.
E	This result is estimated. The analysis gave a final result that is above the calibration range.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Great Lakes Analytical--Buffalo Grove Wisconsin DNR Certification Lab ID: 999917160

Great Lakes Analytical--Buffalo Grove NELAP Primary Accreditation: Illinois #100261

Great Lakes Analytical--Buffalo Grove NELAP Secondary Accreditation: New Jersey #IL001

Great Lakes Analytical--Oak Creek, WI Wisconsin DNR Certification Lab ID: 341000330

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

EQ
Carillon Blvd
nnati, OH 45240
(513) 825-7500

Environmental Quality Management, Inc.
Chain of Custody Record

COC Track. EQ-1175

Project No. 3141-117

Project Name: OMC Waukegan

Samplers/Affiliation: (Print Name and Sign) Ken Brown for EQM Kenneth L. Brown

Lab P.O. No:

Sample ID:	Date	Time	Description/Matrix:	Sample Volume / Comments	No. of Containers	VOCs 8260	PCBs 8082	TPH - OIL									
GP-1 2-3'	6/4/03	9:30	SOIL PID=3	3 ENCORES	4	X				B3C0107-01							
GP-1 23-24'	"	1100	SOIL PID=<1	"	4	X								-02			
GP-2 3-4'		1130	SOIL PID=<1		4	X								-03			
GP-3 3-4'		1150	SOIL PID=<1		4	X								-04			
GP-4 3-4'		1220	SOIL PID=<1		4	X								-05			
GP-5 3-4'		1250	SOIL PID=<1		5	X	X							-06			
GP-6 3-4'		1315	SOIL PID=<1		4	X								-07			
GP-7 3'		1330	SOIL PID=<1		5	X	X							-08			
GP-8 3-4'		1400	SOIL PID=<1	OIL PRODUCT IN SAMPLE	6	X	X	X						-09			
GP-8 24'		1500	SOIL PID=160		4	X								-10			
GP-9 24'		1630	SOIL PID=70		4	X								-11			
GP-10 3'		1700	SOIL PID=<1		1		X							-12			
GP-11 3'		1710	SOIL PID=<1		1		X							-13			

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	6/5/03	8:00		6/5/03	AM 1000
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	6/5	1630		6/6/03	1133
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Ship To:

Airbill Number

Reporting/QA Requirements:

Turn Around Time (EXACT DUE DATE):

Report To:

Chain of Custody Seal Numbers

ICE 12°C

Distribution: White - Accompanies Shipment Pink - Project Files Yellow - Laboratory File

06/13/03 06:33 FAX 847 608 1114 GREAT LAKES ANALYTICAL

GREAT LAKES ANALYTICAL

1380 Busch Parkway
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16 June 2003

Jackie Doan
EQM
1800 Carillon Blvd.
Cincinnati, OH 45240
RE: OMC - Waukegan

Enclosed are the results of analyses for samples received by the laboratory on 06/06/03. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Great Lakes Analytical

Andy Johnson

Andy Johnson
Project Manager

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

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EQM	Project: OMC - Waukegan	
1800 Carillon Blvd.	Project Number: 3141-117	**Reported:**
Cincinnati, OH 45240	Project Manager: Jackie Doan	06/16/03 11:04

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GP - 12 26-28'	B306142-01	Soil	06/05/03 09:50	06/06/03 15:52
GP - 13 1'	B306142-02	Soil	06/05/03 10:30	06/06/03 15:52
GP - 14 5'	B306142-03	Soil	06/05/03 11:00	06/06/03 15:52
GP - 15 6'	B306142-04	Soil	06/05/03 13:45	06/06/03 15:52
GP - 15 30'	B306142-05	Soil	06/05/03 13:50	06/06/03 15:52
MW - 15D - 1	B306142-06	Water	06/05/03 13:20	06/06/03 15:52
MW - 15S - 1	B306142-07	Water	06/05/03 11:50	06/06/03 15:52
MW - T101 - 1	B306142-08	Water	06/05/03 14:35	06/06/03 15:52
GP - 14 - 1	B306142-09	Water	06/05/03 15:50	06/06/03 15:52

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

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EQM	Project: OMC - Waukegan	
1800 Carillon Blvd.	Project Number: 3141-117	**Reported:**
Cincinnati, OH 45240	Project Manager: Jackie Doan	06/16/03 11:04

Total Metals by EPA 6000/7000 Series Methods

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GP - 13 1' (B306142-02) Soil Sampled: 06/05/03 10:30 Received: 06/06/03 15:52									
Mercury	ND	0.0424	mg/kg dry	1	3060218	06/09/03	06/10/03	EPA 7471A	
Aluminum	**4840**	1350	"	51	3060306	06/13/03	06/13/03	EPA 6010B	QC
Antimony	ND	5.30	"	1	"	"	"	"	
Arsenic	**3.50**	2.65	"	"	"	"	"	"	
Barium	ND	26.5	"	"	"	"	"	"	
Beryllium	ND	0.530	"	"	"	"	"	"	
Cadmium	ND	0.530	"	"	"	"	"	"	
Calcium	**46300**	1350	"	51	"	"	"	"	QC
Chromium	**8.05**	0.530	"	1	"	"	"	"	
Cobalt	ND	2.65	"	"	"	"	"	"	
Copper	**24.8**	2.65	"	"	"	"	"	"	
Iron	**7760**	270	"	51	"	"	"	"	QC
Lead	**11.2**	1.06	"	1	"	"	"	"	
Magnesium	**23300**	1350	"	51	"	"	"	"	QC
[illegible]anese	**232**	2.65	"	1	"	"	"	"	
[illegible]	**7.56**	2.65	"	"	"	"	"	"	
Potassium	**393**	26.5	"	"	"	"	"	"	
Selenium	ND	2.65	"	"	"	"	"	"	
Silver	ND	2.65	"	"	"	"	"	"	
Sodium	**199**	26.5	"	"	"	"	"	"	
Thallium	ND	5.30	"	"	"	"	"	"	
Vanadium	**8.36**	2.39	"	"	"	"	"	"	
Zinc	**35.7**	26.5	"	"	"	"	"	"	

Great Lakes Analytical--Buffalo Grove

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Andy Johnson, Project Manager

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EQM	Project: OMC - Waukegan	
1800 Carillon Blvd.	Project Number: 3141-117	Reported:
Cincinnati, OH 45240	Project Manager: Jackie Doan	06/16/03 11:04

Volatile Organic Compounds by EPA Method 8260B

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW - 15D - 1 (B306142-06) Water Sampled: 06/05/03 13:20 Received: 06/06/03 15:52									**QC**
Acetone	ND	10.0	ug/l	1	3060304	06/12/03	06/12/03	5030B/8260B	
Benzene	ND	2.00	"	"	"	"	"	"	
Bromodichloromethane	ND	2.00	"	"	"	"	"	"	
Bromoform	ND	2.00	"	"	"	"	"	"	
Bromomethane	ND	2.00	"	"	"	"	"	"	
2-Butanone	ND	10.0	"	"	"	"	"	"	
Carbon disulfide	ND	2.00	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.00	"	"	"	"	"	"	
Chlorobenzene	ND	2.00	"	"	"	"	"	"	
Chlorodibromomethane	ND	2.00	"	"	"	"	"	"	
Chloroethane	ND	2.00	"	"	"	"	"	"	
Chloroform	ND	2.00	"	"	"	"	"	"	
Chloromethane	ND	2.00	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.00	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.00	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.00	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.00	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.00	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.00	"	"	"	"	"	"	
1,3-Dichloropropene (cis + trans)	ND	2.00	"	"	"	"	"	"	
Ethylbenzene	ND	2.00	"	"	"	"	"	"	
2-Hexanone	ND	10.0	"	"	"	"	"	"	
Methylene chloride	ND	2.00	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	10.0	"	"	"	"	"	"	
Styrene	ND	2.00	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.00	"	"	"	"	"	"	
Tetrachloroethene	ND	2.00	"	"	"	"	"	"	
Toluene	ND	2.00	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.00	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.00	"	"	"	"	"	"	
Trichloroethene	ND	2.00	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.00	"	"	"	"	"	"	
Vinyl acetate	ND	2.00	"	"	"	"	"	"	
Vinyl chloride	ND	2.00	"	"	"	"	"	"	
Total Xylenes	ND	4.00	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*94.0 %*	*75.8-127*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*62.5-145*		"	"	"	"	
Surrogate: Toluene-d8		*101 %*	*76.6-130*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*	*68.9-123*		"	"	"	"	

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

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EQM	Project: OMC - Waukegan	
1800 Carillon Blvd.	Project Number: 3141-117	**Reported:**
Cincinnati, OH 45240	Project Manager: Jackie Doan	06/16/03 11:04

Volatile Organic Compounds by EPA Method 8260B

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW - 15S - 1 (B306142-07) Water Sampled: 06/05/03 11:50 Received: 06/06/03 15:52									**QC**
Acetone	ND	10.0	ug/l	1	3060304	06/12/03	06/12/03	5030B/8260B	
Benzene	ND	2.00	"	"	"	"	"	"	
Bromodichloromethane	ND	2.00	"	"	"	"	"	"	
Bromoform	ND	2.00	"	"	"	"	"	"	
Bromomethane	ND	2.00	"	"	"	"	"	"	
2-Butanone	ND	10.0	"	"	"	"	"	"	
Carbon disulfide	ND	2.00	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.00	"	"	"	"	"	"	
Chlorobenzene	ND	2.00	"	"	"	"	"	"	
Chlorodibromomethane	ND	2.00	"	"	"	"	"	"	
Chloroethane	ND	2.00	"	"	"	"	"	"	
Chloroform	ND	2.00	"	"	"	"	"	"	
Chloromethane	ND	2.00	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.00	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.00	"	"	"	"	"	"	
[illegible]chloroethene	ND	2.00	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**23.2**	2.00	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.00	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.00	"	"	"	"	"	"	
1,3-Dichloropropene (cis + trans)	ND	2.00	"	"	"	"	"	"	
Ethylbenzene	ND	2.00	"	"	"	"	"	"	
2-Hexanone	ND	10.0	"	"	"	"	"	"	
Methylene chloride	ND	2.00	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	10.0	"	"	"	"	"	"	
Styrene	ND	2.00	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.00	"	"	"	"	"	"	
Tetrachloroethene	ND	2.00	"	"	"	"	"	"	
Toluene	ND	2.00	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.00	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.00	"	"	"	"	"	"	
Trichloroethene	**6.78**	2.00	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.00	"	"	"	"	"	"	
Vinyl acetate	ND	2.00	"	"	"	"	"	"	
Vinyl chloride	ND	2.00	"	"	"	"	"	"	
Total Xylenes	ND	4.00	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*91.4 %*	*75.8-127*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*95.0 %*	*62.5-145*		"	"	"	"	
Surrogate: Toluene-d8		*104 %*	*76.6-130*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*106 %*	*68.9-123*		"	"	"	"	

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 06/16/03 11:04

Volatile Organic Compounds by EPA Method 8260B

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW - T101 - 1 (B306142-08) Water Sampled: 06/05/03 14:35 Received: 06/06/03 15:52									**QC**
Acetone	ND	10.0	ug/l	1	3060304	06/12/03	06/12/03	5030B/8260B	
Benzene	ND	2.00	"	"	"	"	"	"	
Bromodichloromethane	ND	2.00	"	"	"	"	"	"	
Bromoform	ND	2.00	"	"	"	"	"	"	
Bromomethane	ND	2.00	"	"	"	"	"	"	
2-Butanone	ND	10.0	"	"	"	"	"	"	
Carbon disulfide	ND	2.00	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.00	"	"	"	"	"	"	
Chlorobenzene	ND	2.00	"	"	"	"	"	"	
Chlorodibromomethane	ND	2.00	"	"	"	"	"	"	
Chloroethane	ND	2.00	"	"	"	"	"	"	
Chloroform	ND	2.00	"	"	"	"	"	"	
Chloromethane	ND	2.00	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.00	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.00	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.00	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.00	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.00	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.00	"	"	"	"	"	"	
1,3-Dichloropropene (cis + trans)	ND	2.00	"	"	"	"	"	"	
Ethylbenzene	ND	2.00	"	"	"	"	"	"	
2-Hexanone	ND	10.0	"	"	"	"	"	"	
Methylene chloride	ND	2.00	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	10.0	"	"	"	"	"	"	
Styrene	ND	2.00	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.00	"	"	"	"	"	"	
Tetrachloroethene	ND	2.00	"	"	"	"	"	"	
Toluene	ND	2.00	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.00	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.00	"	"	"	"	"	"	
Trichloroethene	ND	2.00	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.00	"	"	"	"	"	"	
Vinyl acetate	ND	2.00	"	"	"	"	"	"	
Vinyl chloride	ND	2.00	"	"	"	"	"	"	
Total Xylenes	ND	4.00	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*83.2 %*	*75.8-127*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*77.8 %*	*62.5-145*		"	"	"	"	
Surrogate: Toluene-d8		*105 %*	*76.6-130*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*	*68.9-123*		"	"	"	"	

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

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EQM	Project: OMC - Waukegan	
1800 Carillon Blvd.	Project Number: 3141-117	Reported:
Cincinnati, OH 45240	Project Manager: Jackie Doan	06/16/03 11:04

Volatile Organic Compounds by EPA Method 8260B

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GP - 14 - 1 (B306142-09) Water Sampled: 06/05/03 15:50 Received: 06/06/03 15:52									**QC**
Acetone	**12.4**	10.0	ug/l	1	3060304	06/12/03	06/13/03	5030B/8260B	A
Benzene	ND	2.00	"	"	"	"	"	"	
Bromodichloromethane	ND	2.00	"	"	"	"	"	"	
Bromoform	ND	2.00	"	"	"	"	"	"	
Bromomethane	ND	2.00	"	"	"	"	"	"	
2-Butanone	ND	10.0	"	"	"	"	"	"	
Carbon disulfide	ND	2.00	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.00	"	"	"	"	"	"	
Chlorobenzene	ND	2.00	"	"	"	"	"	"	
Chlorodibromomethane	ND	2.00	"	"	"	"	"	"	
Chloroethane	ND	2.00	"	"	"	"	"	"	
Chloroform	ND	2.00	"	"	"	"	"	"	
Chloromethane	ND	2.00	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.00	"	"	"	"	"	"	
1 [illegible]chloroethane	ND	2.00	"	"	"	"	"	"	
[illegible] chloroethene	ND	2.00	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**4.47**	2.00	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.00	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.00	"	"	"	"	"	"	
1,3-Dichloropropene (cis + trans)	ND	2.00	"	"	"	"	"	"	
Ethylbenzene	ND	2.00	"	"	"	"	"	"	
2-Hexanone	ND	10.0	"	"	"	"	"	"	
Methylene chloride	ND	2.00	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	10.0	"	"	"	"	"	"	
Styrene	ND	2.00	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.00	"	"	"	"	"	"	
Tetrachloroethene	ND	2.00	"	"	"	"	"	"	
Toluene	ND	2.00	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.00	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.00	"	"	"	"	"	"	
Trichloroethene	ND	2.00	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.00	"	"	"	"	"	"	
Vinyl acetate	ND	2.00	"	"	"	"	"	"	
Vinyl chloride	ND	2.00	"	"	"	"	"	"	
Total Xylenes	ND	4.00	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*113 %*	*75.8-127*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*117 %*	*62.5-145*		"	"	"	"	
Surrogate: Toluene-d8		*99.2 %*	*76.6-130*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*84.8 %*	*68.9-123*		"	"	"	"	

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

GREAT LAKES ANALYTICAL

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EQM	Project: OMC - Waukegan	
1800 Carillon Blvd.	Project Number: 3141-117	**Reported:**
Cincinnati, OH 45240	Project Manager: Jackie Doan	06/16/03 11:04

Volatile Organic Compounds by EPA Method 5035/8260B

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GP - 12 26-28' (B306142-01) Soil Sampled: 06/05/03 09:50 Received: 06/06/03 15:52									
Acetone	ND	30.9	ug/kg dry	1	3060303	06/12/03	06/13/03	5035/8260B	
Benzene	**8.53**	6.18	"	"	"	"	"	"	
Bromodichloromethane	ND	6.18	"	"	"	"	"	"	
Bromoform	ND	6.18	"	"	"	"	"	"	
Bromomethane	ND	6.18	"	"	"	"	"	"	
2-Butanone	ND	12.4	"	"	"	"	"	"	
Carbon disulfide	ND	6.18	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.18	"	"	"	"	"	"	
Chlorobenzene	ND	6.18	"	"	"	"	"	"	
Chlorodibromomethane	ND	6.18	"	"	"	"	"	"	
Chloroethane	ND	6.18	"	"	"	"	"	"	
Chloroform	ND	6.18	"	"	"	"	"	"	
Chloromethane	ND	6.18	"	"	"	"	"	"	
1,1-Dichloroethane	ND	6.18	"	"	"	"	"	"	
1,2-Dichloroethane	ND	6.18	"	"	"	"	"	"	
1,1-Dichloroethene	ND	6.18	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	6.18	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	6.18	"	"	"	"	"	"	
1,2-Dichloropropane	ND	6.18	"	"	"	"	"	"	
1,3-Dichloropropene (cis + trans)	ND	3.71	"	"	"	"	"	"	
Ethylbenzene	ND	6.18	"	"	"	"	"	"	
2-Hexanone	ND	12.4	"	"	"	"	"	"	
Methylene chloride	ND	6.18	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	12.4	"	"	"	"	"	"	
Styrene	ND	6.18	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	6.18	"	"	"	"	"	"	
Tetrachloroethene	ND	6.18	"	"	"	"	"	"	
Toluene	**23.0**	6.18	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	6.18	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	6.18	"	"	"	"	"	"	
Trichloroethene	ND	6.18	"	"	"	"	"	"	
Trichlorofluoromethane	ND	6.18	"	"	"	"	"	"	
Vinyl acetate	ND	12.4	"	"	"	"	"	"	
Vinyl chloride	ND	6.18	"	"	"	"	"	"	
Total Xylenes	ND	12.4	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*103 %*	*66.4-145*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*123 %*	*59.5-171*		"	"	"	"	
Surrogate: Toluene-d8		*99.1 %*	*64.5-139*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*114 %*	*45.8-145*		"	"	"	"	

Great Lakes Analytical--Buffalo Grove

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Andy Johnson, Project Manager

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EQM	Project: OMC - Waukegan	
1800 Carillon Blvd.	Project Number: 3141-117	**Reported:**
Cincinnati, OH 45240	Project Manager: Jackie Doan	06/16/03 11:04

Volatile Organic Compounds by EPA Method 5035/8260B

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GP - 14 5' (B306142-03) Soil Sampled: 06/05/03 11:00 Received: 06/06/03 15:52									
Acetone	ND	27.9	ug/kg dry	1	3060303	06/12/03	06/13/03	5035/8260B	
Benzene	ND	5.57	"	"	"	"	"	"	
Bromodichloromethane	ND	5.57	"	"	"	"	"	"	
Bromoform	ND	5.57	"	"	"	"	"	"	
Bromomethane	ND	5.57	"	"	"	"	"	"	
2-Butanone	ND	11.1	"	"	"	"	"	"	
Carbon disulfide	ND	5.57	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.57	"	"	"	"	"	"	
Chlorobenzene	ND	5.57	"	"	"	"	"	"	
Chlorodibromomethane	ND	5.57	"	"	"	"	"	"	
Chloroethane	ND	5.57	"	"	"	"	"	"	
Chloroform	ND	5.57	"	"	"	"	"	"	
Chloromethane	ND	5.57	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.57	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.57	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.57	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**33.8**	5.57	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**22.2**	5.57	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.57	"	"	"	"	"	"	
1,3-Dichloropropene (cis + trans)	ND	3.34	"	"	"	"	"	"	
Ethylbenzene	ND	5.57	"	"	"	"	"	"	
2-Hexanone	ND	11.1	"	"	"	"	"	"	
Methylene chloride	ND	5.57	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	11.1	"	"	"	"	"	"	
Styrene	ND	5.57	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.57	"	"	"	"	"	"	
Tetrachloroethene	ND	5.57	"	"	"	"	"	"	
Toluene	**10.1**	5.57	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.57	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.57	"	"	"	"	"	"	
Trichloroethene	**57.7**	5.57	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.57	"	"	"	"	"	"	
Vinyl acetate	ND	11.1	"	"	"	"	"	"	
Vinyl chloride	ND	5.57	"	"	"	"	"	"	
Total Xylenes	ND	11.1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*101 %*	*66.4-145*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*121 %*	*59.5-171*		"	"	"	"	
Surrogate: Toluene-d8		*99.2 %*	*64.5-139*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*109 %*	*45.8-145*		"	"	"	"	

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 06/16/03 11:04

Volatile Organic Compounds by EPA Method 5035/8260B

Great Lakes Analytical–Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GP - 15 6' (B306142-04) Soil Sampled: 06/05/03 13:45 Received: 06/06/03 15:52									
Acetone	ND	27.0	ug/kg dry	1	3060303	06/12/03	06/13/03	5035/8260B	
Benzene	ND	5.41	"	"	"	"	"	"	
Bromodichloromethane	ND	5.41	"	"	"	"	"	"	
Bromoform	ND	5.41	"	"	"	"	"	"	
Bromomethane	ND	5.41	"	"	"	"	"	"	
2-Butanone	ND	10.8	"	"	"	"	"	"	
Carbon disulfide	ND	5.41	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.41	"	"	"	"	"	"	
Chlorobenzene	ND	5.41	"	"	"	"	"	"	
Chlorodibromomethane	ND	5.41	"	"	"	"	"	"	
Chloroethane	ND	5.41	"	"	"	"	"	"	
Chloroform	**10.2**	5.41	"	"	"	"	"	"	
Chloromethane	ND	5.41	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.41	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.41	"	"	"	"	"	"	
1,1-Dichloroethene	**20.1**	5.41	"	"	"	"	"	"	
trans-1,2-Dichloroethene	**57.7**	5.41	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.41	"	"	"	"	"	"	
1,3-Dichloropropene (cis + trans)	ND	3.24	"	"	"	"	"	"	
Ethylbenzene	ND	5.41	"	"	"	"	"	"	
2-Hexanone	ND	10.8	"	"	"	"	"	"	
Methylene chloride	ND	5.41	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	10.8	"	"	"	"	"	"	
Styrene	ND	5.41	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.41	"	"	"	"	"	"	
Tetrachloroethene	**17.7**	5.41	"	"	"	"	"	"	
Toluene	ND	5.41	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.41	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.41	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.41	"	"	"	"	"	"	
Vinyl acetate	ND	10.8	"	"	"	"	"	"	
Vinyl chloride	ND	5.41	"	"	"	"	"	"	
Total Xylenes	ND	10.8	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*102 %*	*66.4-145*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*117 %*	*59.5-171*		"	"	"	"	
Surrogate: Toluene-d8		*87.0 %*	*64.5-139*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*110 %*	*45.8-145*		"	"	"	"	

Great Lakes Analytical--Buffalo Grove

Andy Johnson

Andy Johnson, Project Manager

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EQM
1800 Carillon Blvd.
Cincinnati, OH 45240

Project: OMC - Waukegan
Project Number: 3141-117
Project Manager: Jackie Doan

Reported:
06/16/03 11:04

Volatile Organic Compounds by EPA Method 5035/8260B

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GP - 15 6' (B306142-04RE2) Soil Sampled: 06/05/03 13:45 Received: 06/06/03 15:52									
cis-1,2-Dichloroethene	**90500**	5410	ug/kg dry	1000	3060303	06/12/03	06/13/03	5035/8260B	
Trichloroethene	**248000**	54100	"	10000	"	"	06/13/03	"	
Surrogate: Dibromofluoromethane		*89.5 %*		*66.4-145*	"	"	*06/13/03*	"	
Surrogate: 1,2-Dichloroethane-d4		*88.4 %*		*59.5-171*	"	"	"	"	
Surrogate: Toluene-d8		*103 %*		*64.5-139*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*		*45.8-145*	"	"	"	"	
GP - 15 30' (B306142-05RE1) Soil Sampled: 06/05/03 13:50 Received: 06/06/03 15:52									
Acetone	ND	30.9	ug/kg dry	1	3060303	06/12/03	06/13/03	5035/8260B	
Benzene	**11.2**	6.17	"	"	"	"	"	"	
Bromodichloromethane	ND	6.17	"	"	"	"	"	"	
Bromoform	ND	6.17	"	"	"	"	"	"	
Bromomethane	ND	6.17	"	"	"	"	"	"	
2-Butanone	ND	12.3	"	"	"	"	"	"	
on disulfide	ND	6.17	"	"	"	"	"	"	
on tetrachloride	ND	6.17	"	"	"	"	"	"	
Chlorobenzene	ND	6.17	"	"	"	"	"	"	
Chlorodibromomethane	ND	6.17	"	"	"	"	"	"	
Chloroethane	ND	6.17	"	"	"	"	"	"	
Chloroform	ND	6.17	"	"	"	"	"	"	
Chloromethane	ND	6.17	"	"	"	"	"	"	
1,1-Dichloroethane	ND	6.17	"	"	"	"	"	"	
1,2-Dichloroethane	ND	6.17	"	"	"	"	"	"	
1,1-Dichloroethene	ND	6.17	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	6.17	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	6.17	"	"	"	"	"	"	
1,2-Dichloropropane	ND	6.17	"	"	"	"	"	"	
1,3-Dichloropropene (cis + trans)	ND	3.70	"	"	"	"	"	"	
Ethylbenzene	ND	6.17	"	"	"	"	"	"	
2-Hexanone	ND	12.3	"	"	"	"	"	"	
Methylene chloride	ND	6.17	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	12.3	"	"	"	"	"	"	
Styrene	ND	6.17	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	6.17	"	"	"	"	"	"	
Tetrachloroethene	ND	6.17	"	"	"	"	"	"	
Toluene	**19.2**	6.17	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	6.17	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	6.17	"	"	"	"	"	"	
Trichloroethene	ND	6.17	"	"	"	"	"	"	
Trichlorofluoromethane	ND	6.17	"	"	"	"	"	"	
Vinyl acetate	ND	12.3	"	"	"	"	"	"	
Vinyl chloride	ND	6.17	"	"	"	"	"	"	

Great Lakes Analytical--Buffalo Grove

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Andy Johnson, Project Manager

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EQM	Project: OMC - Waukegan	
1800 Carillon Blvd.	Project Number: 3141-117	Reported:
Cincinnati, OH 45240	Project Manager: Jackie Doan	06/16/03 11:04

Volatile Organic Compounds by EPA Method 5035/8260B

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GP - 15 30' (B306142-05RE1) Soil Sampled: 06/05/03 13:50 Received: 06/06/03 15:52									
Total Xylenes	ND	12.3	ug/kg dry	1	3060303	06/12/03	06/13/03	5035/8260B	
Surrogate: Dibromofluoromethane		*103 %*		*66.4-145*		"	"	"	"
Surrogate: 1,2-Dichloroethane-d4		*106 %*		*59.5-171*		"	"	"	"
Surrogate: Toluene-d8		*101 %*		*64.5-139*		"	"	"	"
Surrogate: 4-Bromofluorobenzene		*105 %*		*45.8-145*		"	"	"	"

Great Lakes Analytical--Buffalo Grove

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Andy Johnson, Project Manager

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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 06/16/03 11:04

Percent Solids

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GP - 12 26-28' (B306142-01) Soil Sampled: 06/05/03 09:50 Received: 06/06/03 15:52									
% Solids	**80.9**	0.200	%	1	3060199	06/09/03	06/09/03	EPA 5035 7.5	
GP - 13 1' (B306142-02) Soil Sampled: 06/05/03 10:30 Received: 06/06/03 15:52									
% Solids	**94.3**	0.200	%	1	3060199	06/09/03	06/09/03	EPA 5035 7.5	
GP - 14 5' (B306142-03) Soil Sampled: 06/05/03 11:00 Received: 06/06/03 15:52									
% Solids	**89.8**	0.200	%	1	3060199	06/09/03	06/09/03	EPA 5035 7.5	
GP - 15 6' (B306142-04) Soil Sampled: 06/05/03 13:45 Received: 06/06/03 15:52									
% Solids	**92.5**	0.200	%	1	3060199	06/09/03	06/09/03	EPA 5035 7.5	
GP - 15 30' (B306142-05) Soil Sampled: 06/05/03 13:50 Received: 06/06/03 15:52									
% Solids	**81.0**	0.200	%	1	3060199	06/09/03	06/09/03	EPA 5035 7.5	

Great Lakes Analytical--Buffalo Grove

Andy Johnson

Andy Johnson, Project Manager

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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 06/16/03 11:04

Total Metals by EPA 6000/7000 Series Methods - Quality Control
Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3060218 - EPA 7471A										
Blank (3060218-BLK1)				Prepared: 06/09/03 Analyzed: 06/10/03						
Mercury	ND	0.0400	mg/kg wet							
LCS (3060218-BS1)				Prepared: 06/09/03 Analyzed: 06/10/03						
Mercury	0.103	0.0400	mg/kg wet	0.120		85.8	79.9-122			
Matrix Spike (3060218-MS1)		Source: B306122-06		Prepared: 06/09/03 Analyzed: 06/10/03						
Mercury	0.256	0.0518	mg/kg dry	0.162	0.0566	123	26.7-172			
Matrix Spike Dup (3060218-MSD1)		Source: B306122-06		Prepared: 06/09/03 Analyzed: 06/10/03						
Mercury	0.274	0.104	mg/kg dry	0.152	0.0566	143	26.7-172	6.79	38.8	
Batch 3060306 - EPA 3050B										
Blank (3060306-BLK1)				Prepared & Analyzed: 06/13/03						
Aluminum	ND	25.0	mg/kg wet							
Antimony	ND	5.00	"							
Arsenic	ND	2.50	"							
Barium	ND	25.0	"							
Beryllium	ND	0.500	"							
Cadmium	ND	0.500	"							
Calcium	ND	25.0	"							
Chromium	ND	0.500	"							
Cobalt	ND	2.50	"							
Copper	ND	2.50	"							
Iron	ND	5.00	"							
Lead	ND	1.00	"							
Magnesium	ND	25.0	"							
Manganese	ND	2.50	"							
Nickel	ND	2.50	"							
Potassium	ND	25.0	"							
Selenium	ND	2.50	"							
Silver	ND	2.50	"							
Sodium	ND	25.0	"							
Thallium	ND	5.00	"							
Vanadium	ND	2.25	"							
Zinc	ND	25.0	"							

Great Lakes Analytical--Buffalo Grove

Andy Johnson

Andy Johnson, Project Manager

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EQM
1800 Carillon Blvd.
Cincinnati, OH 45240

Project: OMC - Waukegan
Project Number: 3141-117
Project Manager: Jackie Doan

Reported:
06/16/03 11:04

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3060306 - EPA 3050B										
LCS (3060306-BS1)				Prepared & Analyzed: 06/13/03						
Aluminum	214	25.0	mg/kg wet	200		107	85-115			
Antimony	202	5.00	"	200		101	89.2-110			
Arsenic	106	2.50	"	106		100	90-115			
Barium	211	25.0	"	200		106	90-113			
Beryllium	212	0.500	"	200		106	90-114			
Cadmium	209	0.500	"	200		104	90-111			
Calcium	212	25.0	"	200		106	88.6-114			
Chromium	204	0.500	"	200		102	86.7-111			
Cobalt	207	2.50	"	200		104	90-110			
Copper	208	2.50	"	200		104	90-112			
Iron	214	5.00	"	200		107	90-115			
	208	1.00	"	201		103	90-112			
Magnesium	208	25.0	"	200		104	86.7-110			
Manganese	212	2.50	"	200		106	90-110			
Nickel	206	2.50	"	200		103	90-111			
Potassium	196	25.0	"	200		98.0	58.6-127			
Selenium	58.0	2.50	"	56.0		104	87.1-110			
Silver	202	2.50	"	200		101	45.4-128			
Sodium	286	25.0	"	200		143	66.2-156			
Thallium	430	2.00	"	400		108	90-113			
Vanadium	208	2.25	"	200		104	90-110			
Zinc	210	25.0	"	200		105	90-113			
Matrix Spike (3060306-MS1)		Source: B306142-02		Prepared & Analyzed: 06/13/03						
Aluminum	12500	1850	mg/kg dry	212	4840	NR	10-125			H
Antimony	172	1.30	"	212	1.79	80.3	14-109			
Arsenic	101	2.65	"	112	3.50	87.1	54.7-114			
Barium	211	26.5	"	212	11.7	94.0	50.3-126			
Beryllium	189	0.530	"	212	ND	89.2	50.9-116			
Cadmium	181	0.530	"	212	ND	85.4	53.3-108			
Calcium	46500	1850	"	212	46300	94.3	10-169			
Chromium	193	0.530	"	212	8.05	87.2	46.9-116			
Cobalt	185	2.65	"	212	2.64	86.0	44.7-123			
Copper	251	2.65	"	212	24.8	107	46-134			
Iron	6590	4.70	"	212	7760	NR	10-197			L
	200	1.06	"	213	11.2	88.6	40.1-125			

Great Lakes Analytical--Buffalo Grove

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EQM
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Cincinnati, OH 45240

Project: OMC - Waukegan
Project Number: 3141-117
Project Manager: Jackie Doan

Reported:
06/16/03 11:04

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3060306 - EPA 3050B										
Matrix Spike (3060306-MS1)		**Source: B306142-02**		Prepared & Analyzed: 06/13/03						
Magnesium	19700	1350	"	212	23300	NR	10-180			L
Manganese	404	2.65	"	212	232	81.1	11.9-155			
Nickel	187	2.65	"	212	7.56	84.6	47.8-115			
Potassium	563	26.5	"	212	393	80.2	12.4-180			
Selenium	54.6	2.65	"	59.4	ND	91.9	44.1-118			
Silver	196	2.65	"	212	ND	92.5	23.8-121			
Sodium	455	26.5	"	212	199	121	43.9-151			
Thallium	381	5.30	"	424	0.714	89.7	47-116			
Vanadium	198	2.39	"	212	8.36	89.5	46.7-124			
Zinc	225	26.5	"	212	35.7	89.3	38-125			
Matrix Spike Dup (3060306-MSD1)		**Source: B306142-02**		Prepared & Analyzed: 06/13/03						
Aluminum	5420	1350	mg/kg dry	202	4840	287	10-125	79.0	40.2	HH
Antimony	160	5.30	"	202	1.79	78.3	14-109	7.23	22.6	
Arsenic	93.9	2.65	"	107	3.50	84.5	54.7-114	7.29	14.5	
Barium	195	26.5	"	202	11.7	90.7	50.3-126	7.88	38.3	
Beryllium	171	0.530	"	202	ND	84.7	50.9-116	10.0	10.1	
Cadmium	164	0.530	"	202	ND	81.2	53.3-108	9.86	11.5	
Calcium	79700	1350	"	202	46300	NR	10-169	52.6	20	HH
Chromium	176	0.530	"	202	8.05	83.1	46.9-116	9.21	15.2	
Cobalt	168	2.65	"	202	2.64	81.9	44.7-123	9.63	10.1	
Copper	217	2.65	"	202	24.8	95.1	46-134	14.5	20.7	
Iron	7770	270	"	202	7760	4.95	10-197	16.4	36.4	L
Lead	179	1.06	"	203	11.2	82.7	40.1-125	11.1	38.1	
Magnesium	40300	1350	"	202	23300	NR	10-180	68.7	20	HH
Manganese	513	2.65	"	202	232	139	11.9-155	23.8	55.7	
Nickel	171	2.65	"	202	7.56	80.9	47.8-115	8.94	13.2	
Potassium	680	26.5	"	202	393	142	12.4-180	18.8	18.8	
Selenium	50.0	2.65	"	56.6	ND	88.3	44.1-118	8.80	33	
Silver	184	2.65	"	202	ND	91.1	23.8-121	6.32	40	
Sodium	433	26.5	"	202	199	116	43.9-151	4.95	13.6	
Thallium	347	5.30	"	404	0.714	85.7	47-116	9.34	53.3	
Vanadium	179	2.39	"	202	8.36	84.5	46.7-124	10.1	10.1	
Zinc	194	26.5	"	202	35.7	78.4	38-125	14.8	16.7	

Great Lakes Analytical--Buffalo Grove

Andy Johnson

Andy Johnson, Project Manager

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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	Reported: 06/16/03 11:04

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3060304 - EPA 5030B (P/T)										
Blank (3060304-BLK1)				Prepared: 06/12/03 Analyzed: 06/13/03						
Acetone	ND	10.0	ug/l							
Benzene	ND	2.00	"							
Bromodichloromethane	ND	2.00	"							
Bromoform	ND	2.00	"							
Bromomethane	ND	2.00	"							
2-Butanone	ND	10.0	"							
Carbon disulfide	ND	2.00	"							
Carbon tetrachloride	ND	2.00	"							
Chlorobenzene	ND	2.00	"							
Chlorodibromomethane	ND	2.00	"							
Chloroethane	ND	2.00	"							
›form	ND	2.00	"							
C...oromethane	ND	2.00	"							
1,1-Dichloroethane	ND	2.00	"							
1,2-Dichloroethane	ND	2.00	"							
1,1-Dichloroethene	ND	2.00	"							
cis-1,2-Dichloroethene	ND	2.00	"							
trans-1,2-Dichloroethene	ND	2.00	"							
1,2-Dichloropropane	ND	2.00	"							
1,3-Dichloropropene (cis + trans)	ND	2.00	"							
Ethylbenzene	ND	2.00	"							
2-Hexanone	ND	10.0	"							
Methylene chloride	ND	2.00	"							
4-Methyl-2-pentanone	ND	10.0	"							
Styrene	ND	2.00	"							
1,1,2,2-Tetrachloroethane	ND	2.00	"							
Tetrachloroethene	ND	2.00	"							
Toluene	ND	2.00	"							
1,1,1-Trichloroethane	ND	2.00	"							
1,1,2-Trichloroethane	ND	2.00	"							
Trichloroethene	ND	2.00	"							
Trichlorofluoromethane	ND	2.00	"							
Vinyl acetate	ND	2.00	"							
Vinyl chloride	ND	2.00	"							
Total Xylenes	ND	4.00	"							

Great Lakes Analytical--Buffalo Grove

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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	Reported: 06/16/03 11:04

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3060304 - EPA 5030B (P/T)										
Blank (3060304-BLK1)				Prepared: 06/12/03 Analyzed: 06/13/03						
Surrogate: Dibromofluoromethane	*48.8*		*ug/l*	*50.0*		*97.6*	*75.8-127*			
Surrogate: 1,2-Dichloroethane-d4	*47.0*		*"*	*50.0*		*94.0*	*62.5-145*			
Surrogate: Toluene-d8	*49.9*		*"*	*50.0*		*99.8*	*76.6-130*			
Surrogate: 4-Bromofluorobenzene	*54.1*		*"*	*50.0*		*108*	*68.9-123*			
LCS (3060304-BS1)				Prepared & Analyzed: 06/12/03						
Acetone	19.8	10.0	ug/l	50.0		39.6	13.2-233			
Benzene	50.5	2.00	"	50.0		101	61.3-142			
Bromodichloromethane	43.6	2.00	"	50.0		87.2	65.9-162			
Bromoform	30.9	2.00	"	50.0		61.8	30.2-176			
Bromomethane	56.1	2.00	"	50.0		112	33.8-161			
2-Butanone	38.3	10.0	"	50.0		76.6	40.5-168			
Carbon disulfide	30.2	2.00	"	50.0		60.4	10-179			
Carbon tetrachloride	40.8	2.00	"	50.0		81.6	40.3-164			
Chlorobenzene	51.7	2.00	"	50.0		103	79.9-132			
Chlorodibromomethane	39.2	2.00	"	50.0		78.4	54-159			
Chloroethane	18.2	2.00	"	50.0		36.4	37.1-163			L
Chloroform	48.7	2.00	"	50.0		97.4	78.6-132			
Chloromethane	59.4	2.00	"	50.0		119	34.3-158			
1,1-Dichloroethane	48.7	2.00	"	50.0		97.4	58.2-134			
1,2-Dichloroethane	43.7	2.00	"	50.0		87.4	73-136			
1,1-Dichloroethene	45.6	2.00	"	50.0		91.2	58-136			
cis-1,2-Dichloroethene	50.8	2.00	"	50.0		102	76.3-135			
trans-1,2-Dichloroethene	48.6	2.00	"	50.0		97.2	58.3-137			
1,2-Dichloropropane	51.3	2.00	"	50.0		103	65.9-147			
Ethylbenzene	52.0	2.00	"	50.0		104	78.4-130			
2-Hexanone	53.5	10.0	"	50.0		107	23.7-198			
Methylene chloride	39.0	2.00	"	50.0		78.0	52.2-142			
4-Methyl-2-pentanone	45.6	10.0	"	50.0		91.2	47.6-160			
Styrene	53.2	2.00	"	50.0		106	69.2-144			
1,1,2,2-Tetrachloroethane	53.1	2.00	"	50.0		106	40.3-164			
Tetrachloroethene	56.2	2.00	"	50.0		112	44.9-165			
Toluene	52.6	2.00	"	50.0		105	77.4-131			
1,1,1-Trichloroethane	45.8	2.00	"	50.0		91.6	66.6-143			
1,1,2-Trichloroethane	50.1	2.00	"	50.0		100	74.8-147			
Trichloroethene	55.1	2.00	"	50.0		110	46.7-169			

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

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EQM
1800 Carillon Blvd.
Cincinnati, OH 45240

Project: OMC - Waukegan
Project Number: 3141-117
Project Manager: Jackie Doan

Reported:
06/16/03 11:04

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3060304 - EPA 5030B (P/T)										
LCS (3060304-BS1)				Prepared & Analyzed: 06/12/03						
Trichlorofluoromethane	36.5	2.00	ug/l	50.0		73.0	36-164			
Vinyl acetate	67.0	2.00	"	50.0		134	10-231			
Vinyl chloride	58.2	2.00	"	50.0		116	51.5-146			
Total Xylenes	158	4.00	"	150		105	72.4-140			
Surrogate: Dibromofluoromethane	*47.6*		"	*50.0*		*95.2*	*75.8-127*			
Surrogate: 1,2-Dichloroethane-d4	*46.7*		"	*50.0*		*93.4*	*62.5-145*			
Surrogate: Toluene-d8	*52.4*		"	*50.0*		*105*	*76.6-130*			
Surrogate: 4-Bromofluorobenzene	*53.1*		"	*50.0*		*106*	*68.9-123*			
Matrix Spike (3060304-MS1)		**Source: B306136-03**		Prepared: 06/12/03		Analyzed: 06/13/03				
Acetone	54.5	10.0	ug/l	50.0	ND	109	10-191			
Benzene	49.5	2.00	"	50.0	ND	99.0	39.3-165			
odichloromethane	42.2	2.00	"	50.0	ND	84.4	39.8-186			
Bromoform	32.1	2.00	"	50.0	ND	64.2	28.1-169			
Bromomethane	63.5	2.00	"	50.0	ND	127	33.2-164			
2-Butanone	57.0	10.0	"	50.0	ND	114	23.9-163			
Carbon disulfide	29.6	2.00	"	50.0	ND	59.2	10-170			
Carbon tetrachloride	38.5	2.00	"	50.0	ND	77.0	10-181			
Chlorobenzene	49.8	2.00	"	50.0	ND	99.6	56.1-150			
Chlorodibromomethane	37.7	2.00	"	50.0	ND	75.4	49-157			
Chloroethane	53.7	2.00	"	50.0	ND	107	36.1-168			
Chloroform	47.7	2.00	"	50.0	ND	95.4	67.5-142			
Chloromethane	58.3	2.00	"	50.0	ND	117	23.5-167			
1,1-Dichloroethane	48.4	2.00	"	50.0	ND	96.8	46.7-142			
1,2-Dichloroethane	44.5	2.00	"	50.0	ND	89.0	60.6-151			
1,1-Dichloroethene	46.2	2.00	"	50.0	ND	92.4	38.7-142			
cis-1,2-Dichloroethene	49.0	2.00	"	50.0	ND	98.0	49.2-155			
trans-1,2-Dichloroethene	46.7	2.00	"	50.0	ND	93.4	48-137			
1,2-Dichloropropane	50.4	2.00	"	50.0	ND	101	44.6-171			
Ethylbenzene	50.3	2.00	"	50.0	ND	101	56.1-144			
2-Hexanone	42.3	10.0	"	50.0	ND	84.6	41.3-171			
Methylene chloride	41.8	2.00	"	50.0	ND	83.6	41.9-154			
4-Methyl-2-pentanone	45.3	10.0	"	50.0	ND	90.6	35.8-175			
Styrene	50.1	2.00	"	50.0	ND	100	31.1-169			
1,1,2,2-Tetrachloroethane	60.1	2.00	"	50.0	ND	120	43.9-186			
chloroethene	52.1	2.00	"	50.0	ND	104	29.1-160			

Great Lakes Analytical--Buffalo Grove

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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	Reported: 06/16/03 11:04

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3060304 - EPA 5030B (P/T)										
Matrix Spike (3060304-MS1)		Source: B306136-03		Prepared: 06/12/03		Analyzed: 06/13/03				
Toluene	51.1	2.00	ug/l	50.0	ND	102	56.2-152			
1,1,1-Trichloroethane	44.3	2.00	"	50.0	ND	88.6	42.2-152			
1,1,2-Trichloroethane	52.1	2.00	"	50.0	ND	104	69.5-155			
Trichloroethene	54.1	2.00	"	50.0	ND	108	13.5-180			
Trichlorofluoromethane	52.4	2.00	"	50.0	ND	105	12-173			
Vinyl acetate	20.0	2.00	"	50.0	ND	40.0	10-249			
Vinyl chloride	61.3	2.00	"	50.0	ND	123	21.5-165			
Total Xylenes	149	4.00	"	150	ND	99.3	42.9-164			
Surrogate: Dibromofluoromethane	*46.3*		"	*50.0*		*92.6*	*75.8-127*			
Surrogate: 1,2-Dichloroethane-d4	*48.1*		"	*50.0*		*96.2*	*62.5-145*			
Surrogate: Toluene-d8	*50.8*		"	*50.0*		*102*	*76.6-130*			
Surrogate: 4-Bromofluorobenzene	*50.6*		"	*50.0*		*101*	*68.9-123*			
Matrix Spike Dup (3060304-MSD1)		Source: B306136-03		Prepared: 06/12/03		Analyzed: 06/13/03				
Acetone	48.4	10.0	ug/l	50.0	ND	96.8	10-191	11.9	53.4	
Benzene	48.0	2.00	"	50.0	ND	96.0	39.3-165	3.08	38.2	
Bromodichloromethane	43.5	2.00	"	50.0	ND	87.0	39.8-186	3.03	34.2	
Bromoform	32.5	2.00	"	50.0	ND	65.0	28.1-169	1.24	35.5	
Bromomethane	64.3	2.00	"	50.0	ND	129	33.2-164	1.25	33.8	
2-Butanone	57.7	10.0	"	50.0	ND	115	23.9-163	1.22	42.7	
Carbon disulfide	31.2	2.00	"	50.0	ND	62.4	10-170	5.26	25.3	
Carbon tetrachloride	43.7	2.00	"	50.0	ND	87.4	10-181	12.7	37.5	
Chlorobenzene	48.3	2.00	"	50.0	ND	96.6	56.1-150	3.06	17.5	
Chlorodibromomethane	39.2	2.00	"	50.0	ND	78.4	49-157	3.90	29	
Chloroethane	71.2	2.00	"	50.0	ND	142	36.1-168	28.0	46	
Chloroform	46.4	2.00	"	50.0	ND	92.8	67.5-142	2.76	17.5	
Chloromethane	57.4	2.00	"	50.0	ND	115	23.5-167	1.56	33.8	
1,1-Dichloroethane	47.8	2.00	"	50.0	ND	95.6	46.7-142	1.25	19.9	
1,2-Dichloroethane	43.5	2.00	"	50.0	ND	87.0	60.6-151	2.27	16.9	
1,1-Dichloroethene	47.8	2.00	"	50.0	ND	95.6	38.7-142	3.40	23.5	
cis-1,2-Dichloroethene	47.8	2.00	"	50.0	ND	95.6	49.2-155	2.48	18.6	
trans-1,2-Dichloroethene	46.7	2.00	"	50.0	ND	93.4	48-137	0.00	20.1	
1,2-Dichloropropane	48.9	2.00	"	50.0	ND	97.8	44.6-171	3.02	32.4	
Ethylbenzene	48.3	2.00	"	50.0	ND	96.6	56.1-144	4.06	24	
2-Hexanone	58.1	10.0	"	50.0	ND	116	41.3-171	31.5	44.7	
Methylene chloride	44.2	2.00	"	50.0	ND	88.4	41.9-154	5.58	23.8	

Great Lakes Analytical--Buffalo Grove

Andy Johnson

Andy Johnson, Project Manager

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GREAT LAKES ANALYTICAL

1380 Busch Parkway
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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 06/16/03 11:04

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3060304 - EPA 5030B (P/T)										
Matrix Spike Dup (3060304-MSD1)		**Source: B306136-03**		Prepared: 06/12/03	Analyzed: 06/13/03					
4-Methyl-2-pentanone	52.2	10.0	ug/l	50.0	ND	104	35.8-175	14.2	38.6	
Styrene	32.2	2.00	"	50.0	ND	64.4	31.1-169	43.5	46.4	
1,1,2,2-Tetrachloroethane	56.6	2.00	"	50.0	ND	113	43.9-186	6.00	33.3	
Tetrachloroethene	51.5	2.00	"	50.0	ND	103	29.1-160	1.16	32.3	
Toluene	48.8	2.00	"	50.0	ND	97.6	56.2-152	4.60	28.6	
1,1,1-Trichloroethane	45.0	2.00	"	50.0	ND	90.0	42.2-152	1.57	20.1	
1,1,2-Trichloroethane	48.9	2.00	"	50.0	ND	97.8	69.5-155	6.34	29.2	
Trichloroethene	52.2	2.00	"	50.0	ND	104	13.5-180	3.57	34.1	
Trichlorofluoromethane	67.3	2.00	"	50.0	ND	135	12-173	24.9	39.7	
Vinyl acetate	60.1	2.00	"	50.0	ND	120	10-249	100	86.9	H
Vinyl chloride	62.9	2.00	"	50.0	ND	126	21.5-165	2.58	54.1	
Xylenes	142	4.00	"	150	ND	94.7	42.9-164	4.81	30.2	
Surrogate: Dibromofluoromethane	*48.2*		*"*	*50.0*		*96.4*	*75.8-127*			
Surrogate: 1,2-Dichloroethane-d4	*48.2*		*"*	*50.0*		*96.4*	*62.5-145*			
Surrogate: Toluene-d8	*50.7*		*"*	*50.0*		*101*	*76.6-130*			
Surrogate: 4-Bromofluorobenzene	*50.7*		*"*	*50.0*		*101*	*68.9-123*			

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

GREAT LAKES ANALYTICAL

1380 Busch Parkway
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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 06/16/03 11:04

Volatile Organic Compounds by EPA Method 5035/8260B - Quality Control

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3060303 - EPA 5035B [P/T]										
Blank (3060303-BLK1)				Prepared: 06/12/03 Analyzed: 06/13/03						
Acetone	ND	25.0	ug/kg wet							
Benzene	ND	5.00	"							
Bromodichloromethane	ND	5.00	"							
Bromoform	ND	5.00	"							
Bromomethane	ND	5.00	"							
2-Butanone	ND	10.0	"							
Carbon disulfide	ND	5.00	"							
Carbon tetrachloride	ND	5.00	"							
Chlorobenzene	ND	5.00	"							
Chlorodibromomethane	ND	5.00	"							
Chloroethane	ND	5.00	"							
Chloroform	ND	5.00	"							
Chloromethane	ND	5.00	"							
1,1-Dichloroethane	ND	5.00	"							
1,2-Dichloroethane	ND	5.00	"							
1,1-Dichloroethene	ND	5.00	"							
cis-1,2-Dichloroethene	ND	5.00	"							
trans-1,2-Dichloroethene	ND	5.00	"							
1,2-Dichloropropane	ND	5.00	"							
1,3-Dichloropropene (cis + trans)	ND	3.00	"							
Ethylbenzene	ND	5.00	"							
2-Hexanone	ND	10.0	"							
Methylene chloride	ND	5.00	"							
4-Methyl-2-pentanone	ND	10.0	"							
Styrene	ND	5.00	"							
1,1,2,2-Tetrachloroethane	ND	5.00	"							
Tetrachloroethene	ND	5.00	"							
Toluene	ND	5.00	"							
1,1,1-Trichloroethane	ND	5.00	"							
1,1,2-Trichloroethane	ND	5.00	"							
Trichloroethene	ND	5.00	"							
Trichlorofluoromethane	ND	5.00	"							
Vinyl acetate	ND	10.0	"							
Vinyl chloride	ND	5.00	"							
Total Xylenes	ND	10.0	"							

Great Lakes Analytical--Buffalo Grove

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Andy Johnson, Project Manager

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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 06/16/03 11:04

Volatile Organic Compounds by EPA Method 5035/8260B - Quality Control

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3060303 - EPA 5035B [P/T]										
Blank (3060303-BLK1)				Prepared: 06/12/03		Analyzed: 06/13/03				
Surrogate: Dibromofluoromethane	*59.3*		*ug/kg wet*	*50.0*		*119*	*66.4-145*			
Surrogate: 1,2-Dichloroethane-d4	*54.6*		*"*	*50.0*		*109*	*59.5-171*			
Surrogate: Toluene-d8	*50.5*		*"*	*50.0*		*101*	*64.5-139*			
Surrogate: 4-Bromofluorobenzene	*43.7*		*"*	*50.0*		*87.4*	*45.8-145*			
LCS (3060303-BS1)				Prepared: 06/12/03		Analyzed: 06/13/03				
Acetone	86.2	25.0	ug/kg wet	50.0		172	13.4-232			
Benzene	54.3	5.00	"	50.0		109	63.5-145			
Bromodichloromethane	56.9	5.00	"	50.0		114	64-157			
Bromoform	49.4	5.00	"	50.0		98.8	46.5-161			
Bromomethane	67.9	5.00	"	50.0		136	10-172			
2-Butanone	54.2	10.0	"	50.0		108	12.2-205			
n disulfide	42.8	5.00	"	50.0		85.6	10-184			
Carbon tetrachloride	54.4	5.00	"	50.0		109	41.8-166			
Chlorobenzene	49.1	5.00	"	50.0		98.2	65.5-138			
Chlorodibromomethane	51.7	5.00	"	50.0		103	62.2-144			
Chloroethane	70.3	5.00	"	50.0		141	10-206			
Chloroform	60.3	5.00	"	50.0		121	66.8-143			
Chloromethane	66.2	5.00	"	50.0		132	25.5-145			
1,1-Dichloroethane	66.6	5.00	"	50.0		133	55-138			
1,2-Dichloroethane	56.0	5.00	"	50.0		112	57.5-155			
1,1-Dichloroethene	57.7	5.00	"	50.0		115	49.8-148			
cis-1,2-Dichloroethene	54.8	5.00	"	50.0		110	65-144			
trans-1,2-Dichloroethene	53.5	5.00	"	50.0		107	58.7-139			
1,2-Dichloropropane	60.6	5.00	"	50.0		121	66-141			
1,3-Dichloropropene (cis + trans)	118	3.00	"	100		118	77.8-141			
Ethylbenzene	52.1	5.00	"	50.0		104	64.7-140			
2-Hexanone	75.0	10.0	"	50.0		150	26.3-179			
Methylene chloride	34.2	5.00	"	50.0		68.4	37.6-166			
4-Methyl-2-pentanone	75.9	10.0	"	50.0		152	37.2-168			
Styrene	50.6	5.00	"	50.0		101	62.9-145			
1,1,2,2-Tetrachloroethane	57.4	5.00	"	50.0		115	40.2-163			
Tetrachloroethene	42.3	5.00	"	50.0		84.6	54.7-150			
Toluene	51.0	5.00	"	50.0		102	65.5-143			
1,1,1-Trichloroethane	60.7	5.00	"	50.0		121	60.1-154			
1,1,2-Trichloroethane	55.2	5.00	"	50.0		110	66.9-148			

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

GREAT LAKES ANALYTICAL

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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 06/16/03 11:04

Volatile Organic Compounds by EPA Method 5035/8260B - Quality Control

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3060303 - EPA 5035B [P/T]										
LCS (3060303-BS1)				Prepared: 06/12/03	Analyzed: 06/13/03					
Trichloroethene	54.9	5.00	ug/kg wet	50.0		110	70.9-147			
Trichlorofluoromethane	72.0	5.00	"	50.0		144	10-224			
Vinyl acetate	90.4	10.0	"	50.0		181	17-213			
Vinyl chloride	61.4	5.00	"	50.0		123	40.4-142			
Total Xylenes	151	10.0	"	150		101	59.7-147			
Surrogate: Dibromofluoromethane	*64.9*		"	*50.0*		*130*	*66.4-145*			
Surrogate: 1,2-Dichloroethane-d4	*55.6*		"	*50.0*		*111*	*59.5-171*			
Surrogate: Toluene-d8	*50.8*		"	*50.0*		*102*	*64.5-139*			
Surrogate: 4-Bromofluorobenzene	*48.7*		"	*50.0*		*97.4*	*45.8-145*			
LCS Dup (3060303-BSD1)				Prepared: 06/12/03	Analyzed: 06/13/03					
Acetone	78.3	25.0	ug/kg wet	50.0		157	13.4-232	9.60	79.9	
Benzene	47.4	5.00	"	50.0		94.8	63.5-145	13.6	34.6	
Bromodichloromethane	48.4	5.00	"	50.0		96.8	64-157	16.1	40.3	
Bromoform	41.2	5.00	"	50.0		82.4	46.5-161	18.1	42.1	
Bromomethane	68.9	5.00	"	50.0		138	10-172	1.46	102	
2-Butanone	48.2	10.0	"	50.0		96.4	12.2-205	11.7	75.1	
Carbon disulfide	38.9	5.00	"	50.0		77.8	10-184	9.55	45.9	
Carbon tetrachloride	48.7	5.00	"	50.0		97.4	41.8-166	11.1	48.6	
Chlorobenzene	42.7	5.00	"	50.0		85.4	65.5-138	13.9	35.3	
Chlorodibromomethane	44.1	5.00	"	50.0		88.2	62.2-144	15.9	43.1	
Chloroethane	70.2	5.00	"	50.0		140	10-206	0.142	103	
Chloroform	50.2	5.00	"	50.0		100	66.8-143	18.3	34.7	
Chloromethane	71.4	5.00	"	50.0		143	25.5-145	7.56	62	
1,1-Dichloroethane	55.6	5.00	"	50.0		111	55-138	18.0	40.3	
1,2-Dichloroethane	47.0	5.00	"	50.0		94.0	57.5-155	17.5	36.5	
1,1-Dichloroethene	53.1	5.00	"	50.0		106	49.8-148	8.30	44	
cis-1,2-Dichloroethene	46.7	5.00	"	50.0		93.4	65-144	16.0	34.6	
trans-1,2-Dichloroethene	46.8	5.00	"	50.0		93.6	58.7-139	13.4	35.8	
1,2-Dichloropropane	52.4	5.00	"	50.0		105	66-141	14.5	37.3	
1,3-Dichloropropene (cis + trans)	99.7	3.00	"	100		99.7	77.8-141	16.8	30.9	
Ethylbenzene	45.2	5.00	"	50.0		90.4	64.7-140	14.2	36.4	
2-Hexanone	47.0	10.0	"	50.0		94.0	26.3-179	45.9	59.8	
Methylene chloride	26.3	5.00	"	50.0		52.6	37.6-166	26.1	47	
4-Methyl-2-pentanone	61.8	10.0	"	50.0		124	37.2-168	20.5	56.8	
Styrene	43.1	5.00	"	50.0		86.2	62.9-145	16.0	40.9	

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 06/16/03 11:04

Volatile Organic Compounds by EPA Method 5035/8260B - Quality Control

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3060303 - EPA 5035B [P/T]										
LCS Dup (3060303-BSD1)				Prepared: 06/12/03 Analyzed: 06/13/03						
1,1,2,2-Tetrachloroethane	47.6	5.00	ug/kg wet	50.0		95.2	40.2-163	18.7	48.6	
Tetrachloroethene	37.4	5.00	"	50.0		74.8	54.7-150	12.3	39.3	
Toluene	43.5	5.00	"	50.0		87.0	65.5-143	15.9	31.5	
1,1,1-Trichloroethane	50.6	5.00	"	50.0		101	60.1-154	18.1	39.9	
1,1,2-Trichloroethane	45.9	5.00	"	50.0		91.8	66.9-148	18.4	34	
Trichloroethene	48.6	5.00	"	50.0		97.2	70.9-147	12.2	34.8	
Trichlorofluoromethane	70.8	5.00	"	50.0		142	10-224	1.68	82.3	
Vinyl acetate	82.9	10.0	"	50.0		166	17-213	8.66	81.3	
Vinyl chloride	63.4	5.00	"	50.0		127	40.4-142	3.21	51.3	
Total Xylenes	125	10.0	"	150		83.3	59.7-147	18.8	41.2	
Surrogate: Dibromofluoromethane	*62.2*		"	*50.0*		*124*	*66.4-145*			
Surrogate: 1,2-Dichloroethane-d4	*58.0*		"	*50.0*		*116*	*59.5-171*			
Surrogate: Toluene-d8	*50.4*		"	*50.0*		*101*	*64.5-139*			
Surrogate: 4-Bromofluorobenzene	*48.1*		"	*50.0*		*96.2*	*45.8-145*			

Great Lakes Analytical--Buffalo Grove

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EQM	Project: OMC - Waukegan	
1800 Carillon Blvd.	Project Number: 3141-117	**Reported:**
Cincinnati, OH 45240	Project Manager: Jackie Doan	06/16/03 11:04

Percent Solids - Quality Control
Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3060199 - General Prep										
Blank (3060199-BLK1)				Prepared & Analyzed: 06/09/03						
% Solids	ND	0.200	%							
Blank (3060199-BLK2)				Prepared & Analyzed: 06/09/03						
% Solids	ND	0.200	%							
Blank (3060199-BLK3)				Prepared & Analyzed: 06/09/03						
% Solids	ND	0.200	%							
Duplicate (3060199-DUP1)				Prepared & Analyzed: 06/09/03						
% Solids	91.4	0.200	%						20	
Duplicate (3060199-DUP2)				Prepared & Analyzed: 06/09/03						
% Solids	93.3	0.200	%						20	
Duplicate (3060199-DUP3)				Prepared & Analyzed: 06/09/03						
% Solids	73.6	0.200	%						20	

Great Lakes Analytical--Buffalo Grove

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EQM	Project: OMC - Waukegan	
1800 Carillon Blvd.	Project Number: 3141-117	**Reported:**
Cincinnati, OH 45240	Project Manager: Jackie Doan	06/16/03 11:04

Notes and Definitions

A	The concentration of the analyte detected in the sample is characteristic of a laboratory artifact.
QC	The result for one or more quality control measurements associated with this sample did not meet the laboratory and/or source method acceptance criteria.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
L	This quality control measurement is below the laboratory established limit.
H	This quality control measurement is above the laboratory established limit.

Great Lakes Analytical--Buffalo Grove Wisconsin DNR Certification Lab ID: 999917160

Great Lakes Analytical--Buffalo Grove NELAP Primary Accreditation: Illinois #100261

Great Lakes Analytical--Buffalo Grove NELAP Secondary Accreditation: New Jersey #IL001

Great Lakes Analytical--Oak Creek, WI Wisconsin DNR Certification Lab ID: 341000330

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Andy Johnson, Project Manager

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(513) 825-7500

Environmental Quality Management, Inc.
Chain of Custody Record

COC Tracking: **EQ-11752**

Project No.	Project Name
3141-117	OMC Waukegan

Samplers/Affiliation: *(Print Name and Sign)* Ken Brown for EQM [signature]

Lab P.O. No:

Sample ID:	Date	Time	Description/Matrix:	Sample Volume / Comments	No. of Containers	VOCs 8260	TAL METALS										
GP-12 26-28'	6/5/03	0950	SOIL PID=40	3 encores	4	X						B306142				-	01
GP-13 1'	6/5/03	1030	SOIL		3		X										02
GP-14 5'	6/5/03	1100	SOIL PID=<1	3 encores	4	X											03
GP-15 6'	6/5/03	1345	SOIL	3 encores	4	X											04
GP-15 30'	6/5/03	1350	SOIL PID=<1	3 encores	4	X											05
MW-15D-1	6/5/03	1320	GW		3	X											06
MW-15S-1	6/5/03	1150	GW		3	X											07
MW-T101-1	6/5/03	1435	GW		3	X											08
GP-14-1	6/5/03	1550	GW		3	X											09

Relinquished by: *(Signature)*	Date	Time	Received by: *(Signature)*	Date	Time
[signature]	6/6/03	8:30	[signature]	6/6/03	
[signature]	6/6	1520	[signature]	6/6/03	16:15

Ship To: JACKIE DOAN - EQM
1800 CARILLON BLVD.
CINCINNATI, OH 45240
FAX RESULTS TO: (513) 825-7495
AND (847) 782-0658

Airbill Number

Reporting/QA Requirements:

Turn Around Time (**EXACT DUE DATE**): 6/13/03

Report To:

Chain of Custody Seal Numbers

ICE 12°C

Distribution: White - Accompanies Shi[illegible] Pink - Project Files Yellow - Laboratory File

06/16/03 10:31 FAX 847 808 7772 GREAT LAKES ANALYTICAL 029

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17 June 2003

Jackie Doan
EQM
1800 Carillon Blvd.
Cincinnati, OH 45240
RE: OMC - Waukegan

Enclosed are the results of analyses for samples received by the laboratory on 06/06/03. If you have any questions concerning this report, please feel free to contact me.

Sincerely,
Great Lakes Analytical

Andy Johnson

Andy Johnson
Project Manager

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-77

EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 06/17/03 11:24

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-13-1	B306169-01	Water	06/06/03 09:05	06/06/03 15:20
MW-14D-1	B306169-02	Water	06/06/03 09:45	06/06/03 15:20
MW-14S-1	B306169-03	Water	06/06/03 10:05	06/06/03 15:20
MW-T104-1	B306169-04	Water	06/06/03 11:18	06/06/03 15:20
MW-T105-1	B306169-05	Water	06/06/03 11:45	06/06/03 15:20
GP-12-1	B306169-06	Water	06/06/03 13:20	06/06/03 15:20
MW-T106-1	B306169-07	Water	06/06/03 13:45	06/06/03 15:20
Trip Blank	B306169-08	Water	06/06/03 14:00	06/06/03 15:20

Great Lakes Analytical--Buffalo Grove

Andy Johnson

Andy Johnson, Project Manager

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EQM	Project: OMC - Waukegan	
1800 Carillon Blvd.	Project Number: 3141-117	**Reported:**
Cincinnati, OH 45240	Project Manager: Jackie Doan	06/17/03 11:24

Volatile Organic Compounds by EPA Method 8260B

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-13-1 (B306169-01) Water Sampled: 06/06/03 09:05 Received: 06/06/03 15:20									**QC**
Acetone	ND	10.0	ug/l	1	3060327	06/13/03	06/16/03	5030B/8260B	
Benzene	ND	2.00	"	"	"	"	"	"	
Bromodichloromethane	ND	2.00	"	"	"	"	"	"	
Bromoform	ND	2.00	"	"	"	"	"	"	
Bromomethane	ND	2.00	"	"	"	"	"	"	
2-Butanone	ND	10.0	"	"	"	"	"	"	
Carbon disulfide	ND	2.00	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.00	"	"	"	"	"	"	
Chlorobenzene	ND	2.00	"	"	"	"	"	"	
Chlorodibromomethane	ND	2.00	"	"	"	"	"	"	
Chloroethane	ND	2.00	"	"	"	"	"	"	
Chloroform	ND	2.00	"	"	"	"	"	"	
Chloromethane	ND	2.00	"	"	"	"	"	"	
Dichloroethane	ND	2.00	"	"	"	"	"	"	
Dichloroethane	ND	2.00	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.00	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.00	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.00	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.00	"	"	"	"	"	"	
1,3-Dichloropropene (cis + trans)	ND	2.00	"	"	"	"	"	"	
Ethylbenzene	ND	2.00	"	"	"	"	"	"	
2-Hexanone	ND	10.0	"	"	"	"	"	"	
Methylene chloride	ND	2.00	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	10.0	"	"	"	"	"	"	
Styrene	ND	2.00	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.00	"	"	"	"	"	"	
Tetrachloroethene	ND	2.00	"	"	"	"	"	"	
Toluene	ND	2.00	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.00	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.00	"	"	"	"	"	"	
Trichloroethene	ND	2.00	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.00	"	"	"	"	"	"	
Vinyl acetate	ND	2.00	"	"	"	"	"	"	
Vinyl chloride	ND	2.00	"	"	"	"	"	"	
Total Xylenes	ND	4.00	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*97.4 %*	*75.8-127*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*95.0 %*	*62.5-145*		"	"	"	"	
Surrogate: Toluene-d8		*105 %*	*76.6-130*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*106 %*	*68.9-123*		"	"	"	"	

reat Lakes Analytical--Buffalo Grove

Andy Johnson

Andy Johnson, Project Manager

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Buffalo Grove, Illinois 60089

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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	Reported: 06/17/03 11:24

Volatile Organic Compounds by EPA Method 8260B

Great Lakes Analytical–Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-14D-1 (B306169-02) Water Sampled: 06/06/03 09:45 Received: 06/06/03 15:20									**QC**
Acetone	ND	10.0	ug/l	1	3060327	06/13/03	06/16/03	5030B/8260B	
Benzene	**32.0**	2.00	"	"	"	"	"	"	
Bromodichloromethane	ND	2.00	"	"	"	"	"	"	
Bromoform	ND	2.00	"	"	"	"	"	"	
Bromomethane	ND	2.00	"	"	"	"	"	"	
2-Butanone	ND	10.0	"	"	"	"	"	"	
Carbon disulfide	ND	2.00	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.00	"	"	"	"	"	"	
Chlorobenzene	ND	2.00	"	"	"	"	"	"	
Chlorodibromomethane	ND	2.00	"	"	"	"	"	"	
Chloroethane	ND	2.00	"	"	"	"	"	"	
Chloroform	ND	2.00	"	"	"	"	"	"	
Chloromethane	ND	2.00	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.00	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.00	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.00	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.00	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.00	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.00	"	"	"	"	"	"	
1,3-Dichloropropene (cis + trans)	ND	2.00	"	"	"	"	"	"	
Ethylbenzene	ND	2.00	"	"	"	"	"	"	
2-Hexanone	ND	10.0	"	"	"	"	"	"	
Methylene chloride	ND	2.00	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	10.0	"	"	"	"	"	"	
Styrene	ND	2.00	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.00	"	"	"	"	"	"	
Tetrachloroethene	ND	2.00	"	"	"	"	"	"	
Toluene	ND	2.00	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.00	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.00	"	"	"	"	"	"	
Trichloroethene	ND	2.00	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.00	"	"	"	"	"	"	
Vinyl acetate	ND	2.00	"	"	"	"	"	"	
Vinyl chloride	ND	2.00	"	"	"	"	"	"	
Total Xylenes	ND	4.00	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*97.6 %*	*75.8-127*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*93.0 %*	*62.5-145*		"	"	"	"	
Surrogate: Toluene-d8		*104 %*	*76.6-130*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*105 %*	*68.9-123*		"	"	"	"	

Great Lakes Analytical–Buffalo Grove

Andy Johnson

Andy Johnson, Project Manager

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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 06/17/03 11:24

Volatile Organic Compounds by EPA Method 8260B

Great Lakes Analytical–Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-14S-1 (B306169-03) Water Sampled: 06/06/03 10:05 Received: 06/06/03 15:20									**QC**
Acetone	**20.1**	10.0	ug/l	1	3060327	06/13/03	06/14/03	5030B/8260B	A
Benzene	ND	2.00	"	"	"	"	"	"	
Bromodichloromethane	ND	2.00	"	"	"	"	"	"	
Bromoform	ND	2.00	"	"	"	"	"	"	
Bromomethane	ND	2.00	"	"	"	"	"	"	
2-Butanone	ND	10.0	"	"	"	"	"	"	
Carbon disulfide	ND	2.00	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.00	"	"	"	"	"	"	
Chlorobenzene	ND	2.00	"	"	"	"	"	"	
Chlorodibromomethane	ND	2.00	"	"	"	"	"	"	
Chloroethane	ND	2.00	"	"	"	"	"	"	
Chloroform	ND	2.00	"	"	"	"	"	"	
Chloromethane	ND	2.00	"	"	"	"	"	"	
' '-Dichloroethane	ND	2.00	"	"	"	"	"	"	
Dichloroethane	ND	2.00	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.00	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.00	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.00	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.00	"	"	"	"	"	"	
1,3-Dichloropropene (cis + trans)	ND	2.00	"	"	"	"	"	"	
Ethylbenzene	ND	2.00	"	"	"	"	"	"	
2-Hexanone	ND	10.0	"	"	"	"	"	"	
Methylene chloride	ND	2.00	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	10.0	"	"	"	"	"	"	
Styrene	ND	2.00	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.00	"	"	"	"	"	"	
Tetrachloroethene	ND	2.00	"	"	"	"	"	"	
Toluene	ND	2.00	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.00	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.00	"	"	"	"	"	"	
Trichloroethene	ND	2.00	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.00	"	"	"	"	"	"	
Vinyl acetate	ND	2.00	"	"	"	"	"	"	
Vinyl chloride	ND	2.00	"	"	"	"	"	"	
Total Xylenes	ND	4.00	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*119 %*	*75.8-127*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*119 %*	*62.5-145*		"	"	"	"	
Surrogate: Toluene-d8		*101 %*	*76.6-130*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*87.6 %*	*68.9-123*		"	"	"	"	

eat Lakes Analytical–Buffalo Grove

Andy Johnson

Andy Johnson, Project Manager

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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 06/17/03 11:24

Volatile Organic Compounds by EPA Method 8260B

Great Lakes Analytical–Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-T104-1 (B306169-04) Water Sampled: 06/06/03 11:18 Received: 06/06/03 15:20									**QC**
Acetone	ND	10.0	ug/l	1	3060327	06/13/03	06/16/03	5030B/8260B	
Benzene	ND	2.00	"	"	"	"	"	"	
Bromodichloromethane	ND	2.00	"	"	"	"	"	"	
Bromoform	ND	2.00	"	"	"	"	"	"	
Bromomethane	ND	2.00	"	"	"	"	"	"	
2-Butanone	ND	10.0	"	"	"	"	"	"	
Carbon disulfide	ND	2.00	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.00	"	"	"	"	"	"	
Chlorobenzene	ND	2.00	"	"	"	"	"	"	
Chlorodibromomethane	ND	2.00	"	"	"	"	"	"	
Chloroethane	ND	2.00	"	"	"	"	"	"	
Chloroform	ND	2.00	"	"	"	"	"	"	
Chloromethane	ND	2.00	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.00	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.00	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.00	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**2.05**	2.00	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.00	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.00	"	"	"	"	"	"	
1,3-Dichloropropene (cis + trans)	ND	2.00	"	"	"	"	"	"	
Ethylbenzene	ND	2.00	"	"	"	"	"	"	
2-Hexanone	ND	10.0	"	"	"	"	"	"	
Methylene chloride	ND	2.00	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	10.0	"	"	"	"	"	"	
Styrene	ND	2.00	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.00	"	"	"	"	"	"	
Tetrachloroethene	ND	2.00	"	"	"	"	"	"	
Toluene	ND	2.00	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.00	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.00	"	"	"	"	"	"	
Trichloroethene	ND	2.00	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.00	"	"	"	"	"	"	
Vinyl acetate	ND	2.00	"	"	"	"	"	"	
Vinyl chloride	ND	2.00	"	"	"	"	"	"	
Total Xylenes	ND	4.00	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*100 %*	*75.8-127*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*96.2 %*	*62.5-145*		"	"	"	"	
Surrogate: Toluene-d8		*103 %*	*76.6-130*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*107 %*	*68.9-123*		"	"	"	"	

Great Lakes Analytical–Buffalo Grove

Andy Johnson

Andy Johnson, Project Manager

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EQM	Project: OMC - Waukegan	
1800 Carillon Blvd.	Project Number: 3141-117	**Reported:**
Cincinnati, OH 45240	Project Manager: Jackie Doan	06/17/03 11:24

Volatile Organic Compounds by EPA Method 8260B

Great Lakes Analytical–Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-T105-1 (B306169-05) Water	***Sampled: 06/06/03 11:45***		***Received: 06/06/03 15:20***						**QC**
Acetone	**16.8**	10.0	ug/l	1	3060327	06/13/03	06/14/03	5030B/8260B	A
Benzene	ND	2.00	"	"	"	"	"	"	
Bromodichloromethane	ND	2.00	"	"	"	"	"	"	
Bromoform	ND	2.00	"	"	"	"	"	"	
Bromomethane	ND	2.00	"	"	"	"	"	"	
2-Butanone	ND	10.0	"	"	"	"	"	"	
Carbon disulfide	ND	2.00	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.00	"	"	"	"	"	"	
Chlorobenzene	ND	2.00	"	"	"	"	"	"	
Chlorodibromomethane	ND	2.00	"	"	"	"	"	"	
Chloroethane	ND	2.00	"	"	"	"	"	"	
Chloroform	ND	2.00	"	"	"	"	"	"	
Chloromethane	ND	2.00	"	"	"	"	"	"	
Dichloroethane	ND	2.00	"	"	"	"	"	"	
Dichloroethane	ND	2.00	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.00	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.00	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.00	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.00	"	"	"	"	"	"	
1,3-Dichloropropene (cis + trans)	ND	2.00	"	"	"	"	"	"	
Ethylbenzene	ND	2.00	"	"	"	"	"	"	
2-Hexanone	ND	10.0	"	"	"	"	"	"	
Methylene chloride	ND	2.00	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	10.0	"	"	"	"	"	"	
Styrene	ND	2.00	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.00	"	"	"	"	"	"	
Tetrachloroethene	ND	2.00	"	"	"	"	"	"	
Toluene	ND	2.00	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.00	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.00	"	"	"	"	"	"	
Trichloroethene	ND	2.00	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.00	"	"	"	"	"	"	
Vinyl acetate	ND	2.00	"	"	"	"	"	"	
Vinyl chloride	ND	2.00	"	"	"	"	"	"	
Total Xylenes	ND	4.00	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*120 %*	*75.8-127*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*115 %*	*62.5-145*		"	"	"	"	
Surrogate: Toluene-d8		*99.6 %*	*76.6-130*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*85.8 %*	*68.9-123*		"	"	"	"	

Great Lakes Analytical–Buffalo Grove

Andy Johnson

Andy Johnson, Project Manager

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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	Reported: 06/17/03 11:24

Volatile Organic Compounds by EPA Method 8260B

Great Lakes Analytical–Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GP-12-1 (B306169-06) Water Sampled: 06/06/03 13:20 Received: 06/06/03 15:20									**QC**
Acetone	ND	10.0	ug/l	1	3060327	06/13/03	06/16/03	5030B/8260B	
Benzene	ND	2.00	"	"	"	"	"	"	
Bromodichloromethane	ND	2.00	"	"	"	"	"	"	
Bromoform	ND	2.00	"	"	"	"	"	"	
Bromomethane	ND	2.00	"	"	"	"	"	"	
2-Butanone	ND	10.0	"	"	"	"	"	"	
Carbon disulfide	ND	2.00	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.00	"	"	"	"	"	"	
Chlorobenzene	ND	2.00	"	"	"	"	"	"	
Chlorodibromomethane	ND	2.00	"	"	"	"	"	"	
Chloroethane	ND	2.00	"	"	"	"	"	"	
Chloroform	ND	2.00	"	"	"	"	"	"	
Chloromethane	ND	2.00	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.00	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.00	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.00	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**199**	2.00	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.00	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.00	"	"	"	"	"	"	
1,3-Dichloropropene (cis + trans)	ND	2.00	"	"	"	"	"	"	
Ethylbenzene	ND	2.00	"	"	"	"	"	"	
2-Hexanone	ND	10.0	"	"	"	"	"	"	
Methylene chloride	ND	2.00	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	10.0	"	"	"	"	"	"	
Styrene	ND	2.00	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.00	"	"	"	"	"	"	
Tetrachloroethene	ND	2.00	"	"	"	"	"	"	
Toluene	ND	2.00	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.00	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.00	"	"	"	"	"	"	
Trichloroethene	**3.12**	2.00	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.00	"	"	"	"	"	"	
Vinyl acetate	ND	2.00	"	"	"	"	"	"	
Vinyl chloride	**801**	20.0	"	10	"	"	06/16/03	"	
Total Xylenes	ND	4.00	"	1	"	"	06/16/03	"	
Surrogate: Dibromofluoromethane		*119 %*	*75.8-127*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*107 %*	*62.5-145*		"	"	"	"	
Surrogate: Toluene-d8		*99.8 %*	*76.6-130*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*87.8 %*	*68.9-123*		"	"	"	"	

Great Lakes Analytical–Buffalo Grove

Andy Johnson

Andy Johnson, Project Manager

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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 06/17/03 11:24

Volatile Organic Compounds by EPA Method 8260B

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-T106-1 (B306169-07) Water Sampled: 06/06/03 13:45 Received: 06/06/03 15:20									**QC**
Acetone	ND	10.0	ug/l	1	3060327	06/13/03	06/16/03	5030B/8260B	
Benzene	ND	2.00	"	"	"	"	"	"	
Bromodichloromethane	ND	2.00	"	"	"	"	"	"	
Bromoform	ND	2.00	"	"	"	"	"	"	
Bromomethane	ND	2.00	"	"	"	"	"	"	
2-Butanone	ND	10.0	"	"	"	"	"	"	
Carbon disulfide	ND	2.00	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.00	"	"	"	"	"	"	
Chlorobenzene	ND	2.00	"	"	"	"	"	"	
Chlorodibromomethane	ND	2.00	"	"	"	"	"	"	
Chloroethane	ND	2.00	"	"	"	"	"	"	
Chloroform	ND	2.00	"	"	"	"	"	"	
Chloromethane	ND	2.00	"	"	"	"	"	"	
¹-Dichloroethane	ND	2.00	"	"	"	"	"	"	
Dichloroethane	ND	2.00	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.00	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.00	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.00	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.00	"	"	"	"	"	"	
1,3-Dichloropropene (cis + trans)	ND	2.00	"	"	"	"	"	"	
Ethylbenzene	ND	2.00	"	"	"	"	"	"	
2-Hexanone	ND	10.0	"	"	"	"	"	"	
Methylene chloride	ND	2.00	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	10.0	"	"	"	"	"	"	
Styrene	ND	2.00	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.00	"	"	"	"	"	"	
Tetrachloroethene	ND	2.00	"	"	"	"	"	"	
Toluene	ND	2.00	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.00	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.00	"	"	"	"	"	"	
Trichloroethene	**16.0**	2.00	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.00	"	"	"	"	"	"	
Vinyl acetate	ND	2.00	"	"	"	"	"	"	
Vinyl chloride	ND	2.00	"	"	"	"	"	"	
Total Xylenes	ND	4.00	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*97.4 %*	*75.8-127*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*97.0 %*	*62.5-145*		"	"	"	"	
Surrogate: Toluene-d8		*104 %*	*76.6-130*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*	*68.9-123*		"	"	"	"	

Great Lakes Analytical--Buffalo Grove

Andy Johnson

Andy Johnson, Project Manager

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EOM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 06/17/03 11:24

Volatile Organic Compounds by EPA Method 8260B

Great Lakes Analytical–Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Trip Blank (B306169-08) Water	**Sampled: 06/06/03 14:00**	**Received: 06/06/03 15:20**							**QC**
Acetone	ND	10.0	ug/l	1	3060327	06/13/03	06/13/03	5030B/8260B	
Benzene	ND	2.00	"	"	"	"	"	"	
Bromodichloromethane	ND	2.00	"	"	"	"	"	"	
Bromoform	ND	2.00	"	"	"	"	"	"	
Bromomethane	ND	2.00	"	"	"	"	"	"	
2-Butanone	ND	10.0	"	"	"	"	"	"	
Carbon disulfide	ND	2.00	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.00	"	"	"	"	"	"	
Chlorobenzene	ND	2.00	"	"	"	"	"	"	
Chlorodibromomethane	ND	2.00	"	"	"	"	"	"	
Chloroethane	ND	2.00	"	"	"	"	"	"	
Chloroform	ND	2.00	"	"	"	"	"	"	
Chloromethane	ND	2.00	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.00	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.00	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.00	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.00	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.00	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.00	"	"	"	"	"	"	
1,3-Dichloropropene (cis + trans)	ND	2.00	"	"	"	"	"	"	
Ethylbenzene	ND	2.00	"	"	"	"	"	"	
2-Hexanone	ND	10.0	"	"	"	"	"	"	
Methylene chloride	ND	2.00	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	10.0	"	"	"	"	"	"	
Styrene	ND	2.00	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.00	"	"	"	"	"	"	
Tetrachloroethene	ND	2.00	"	"	"	"	"	"	
Toluene	ND	2.00	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.00	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.00	"	"	"	"	"	"	
Trichloroethene	ND	2.00	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.00	"	"	"	"	"	"	
Vinyl acetate	ND	2.00	"	"	"	"	"	"	
Vinyl chloride	ND	2.00	"	"	"	"	"	"	
Total Xylenes	ND	4.00	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*115 %*	*75.8-127*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*113 %*	*62.5-145*		"	"	"	"	
Surrogate: Toluene-d8		*100 %*	*76.6-130*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*87.4 %*	*68.9-123*		"	"	"	"	

Great Lakes Analytical–Buffalo Grove

Andy Johnson

Andy Johnson, Project Manager

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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 06/17/03 11:24

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Great Lakes Analytical–Buffalo Grove

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3060327 - EPA 5030B (P/T)										
Blank (3060327-BLK1)				Prepared: 06/13/03 Analyzed: 06/16/03						
Acetone	ND	10.0	ug/l							
Benzene	ND	2.00	"							
Bromodichloromethane	ND	2.00	"							
Bromoform	ND	2.00	"							
Bromomethane	ND	2.00	"							
2-Butanone	ND	10.0	"							
Carbon disulfide	ND	2.00	"							
Carbon tetrachloride	ND	2.00	"							
Chlorobenzene	ND	2.00	"							
Chlorodibromomethane	ND	2.00	"							
[illegible]loroethane	ND	2.00	"							
[illegible]roform	ND	2.00	"							
Chloromethane	ND	2.00	"							
1,1-Dichloroethane	ND	2.00	"							
1,2-Dichloroethane	ND	2.00	"							
1,1-Dichloroethene	ND	2.00	"							
cis-1,2-Dichloroethene	ND	2.00	"							
trans-1,2-Dichloroethene	ND	2.00	"							
1,2-Dichloropropane	ND	2.00	"							
1,3-Dichloropropene (cis + trans)	ND	2.00	"							
Ethylbenzene	ND	2.00	"							
2-Hexanone	ND	10.0	"							
Methylene chloride	ND	2.00	"							
4-Methyl-2-pentanone	ND	10.0	"							
Styrene	ND	2.00	"							
1,1,2,2-Tetrachloroethane	ND	2.00	"							
Tetrachloroethene	ND	2.00	"							
Toluene	ND	2.00	"							
1,1,1-Trichloroethane	ND	2.00	"							
1,1,2-Trichloroethane	ND	2.00	"							
Trichloroethene	ND	2.00	"							
Trichlorofluoromethane	ND	2.00	"							
Vinyl acetate	ND	2.00	"							
Vinyl chloride	ND	2.00	"							
Total Xylenes	ND	4.00	"							

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Andy Johnson

Andy Johnson, Project Manager

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EQM	Project: OMC - Waukegan	
1800 Carillon Blvd.	Project Number: 3141-117	Reported:
Cincinnati, OH 45240	Project Manager: Jackie Doan	06/17/03 11:24

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3060327 - EPA 5030B (P/T)										
Blank (3060327-BLK1)				Prepared: 06/13/03 Analyzed: 06/16/03						
Surrogate: Dibromofluoromethane	*55.6*		*ug/l*	*50.0*		*111*	*75.8-127*			
Surrogate: 1,2-Dichloroethane-d4	*53.2*		"	*50.0*		*106*	*62.5-145*			
Surrogate: Toluene-d8	*49.9*		"	*50.0*		*99.8*	*76.6-130*			
Surrogate: 4-Bromofluorobenzene	*46.2*		"	*50.0*		*92.4*	*68.9-123*			
LCS (3060327-BS1)				Prepared: 06/13/03 Analyzed: 06/16/03						
Acetone	92.0	10.0	ug/l	50.0		184	13.2-233			
Benzene	50.5	2.00	"	50.0		101	61.3-142			
Bromodichloromethane	53.3	2.00	"	50.0		107	65.9-162			
Bromoform	47.9	2.00	"	50.0		95.8	30.2-176			
Bromomethane	59.4	2.00	"	50.0		119	33.8-161			
2-Butanone	51.2	10.0	"	50.0		102	40.5-168			
Carbon disulfide	35.6	2.00	"	50.0		71.2	10-179			
Carbon tetrachloride	53.6	2.00	"	50.0		107	40.3-164			
Chlorobenzene	49.5	2.00	"	50.0		99.0	79.9-132			
Chlorodibromomethane	49.9	2.00	"	50.0		99.8	54-159			
Chloroethane	53.6	2.00	"	50.0		107	37.1-163			
Chloroform	52.8	2.00	"	50.0		106	78.6-132			
Chloromethane	66.0	2.00	"	50.0		132	34.3-158			
1,1-Dichloroethane	50.4	2.00	"	50.0		101	58.2-134			
1,2-Dichloroethane	50.3	2.00	"	50.0		101	73-136			
1,1-Dichloroethene	48.9	2.00	"	50.0		97.8	58-136			
cis-1,2-Dichloroethene	49.9	2.00	"	50.0		99.8	76.3-135			
trans-1,2-Dichloroethene	49.6	2.00	"	50.0		99.2	58.3-137			
1,2-Dichloropropane	54.9	2.00	"	50.0		110	65.9-147			
Ethylbenzene	50.3	2.00	"	50.0		101	78.4-130			
2-Hexanone	57.4	10.0	"	50.0		115	23.7-198			
Methylene chloride	24.1	2.00	"	50.0		48.2	52.2-142			L
4-Methyl-2-pentanone	56.4	10.0	"	50.0		113	47.6-160			
Styrene	49.4	2.00	"	50.0		98.8	69.2-144			
1,1,2,2-Tetrachloroethane	48.9	2.00	"	50.0		97.8	40.3-164			
Tetrachloroethene	44.8	2.00	"	50.0		89.6	44.9-165			
Toluene	49.0	2.00	"	50.0		98.0	77.4-131			
1,1,1-Trichloroethane	54.5	2.00	"	50.0		109	66.6-143			
1,1,2-Trichloroethane	52.0	2.00	"	50.0		104	74.8-147			
Trichloroethene	57.6	2.00	"	50.0		115	46.7-169			

Great Lakes Analytical--Buffalo Grove

Andy Johnson

Andy Johnson, Project Manager

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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 06/17/03 11:24

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3060327 - EPA 5030B (P/T)										
LCS (3060327-BS1)				Prepared: 06/13/03 Analyzed: 06/16/03						
Trichlorofluoromethane	46.0	2.00	ug/l	50.0		92.0	36-164			
Vinyl acetate	63.8	2.00	"	50.0		128	10-231			
Vinyl chloride	57.6	2.00	"	50.0		115	51.5-146			
Total Xylenes	142	4.00	"	150		94.7	72.4-140			
Surrogate: Dibromofluoromethane	*47.3*		"	*50.0*		*94.6*	*75.8-127*			
Surrogate: 1,2-Dichloroethane-d4	*48.4*		"	*50.0*		*96.8*	*62.5-145*			
Surrogate: Toluene-d8	*49.4*		"	*50.0*		*98.8*	*76.6-130*			
Surrogate: 4-Bromofluorobenzene	*48.4*		"	*50.0*		*96.8*	*68.9-123*			
Matrix Spike (3060327-MS1)		**Source: B306169-01**		Prepared: 06/13/03 Analyzed: 06/14/03						
Acetone	104	10.0	ug/l	50.0	ND	208	10-191			H
›zene	48.0	2.00	"	50.0	ND	96.0	39.3-165			
›modichloromethane	52.9	2.00	"	50.0	ND	106	39.8-186			
Bromoform	51.5	2.00	"	50.0	ND	103	28.1-169			
Bromomethane	75.2	2.00	"	50.0	ND	150	33.2-164			
2-Butanone	59.6	10.0	"	50.0	ND	119	23.9-163			
Carbon disulfide	38.7	2.00	"	50.0	ND	77.4	10-170			
Carbon tetrachloride	48.2	2.00	"	50.0	ND	96.4	10-181			
Chlorobenzene	45.1	2.00	"	50.0	ND	90.2	56.1-150			
Chlorodibromomethane	50.6	2.00	"	50.0	ND	101	49-157			
Chloroethane	87.5	2.00	"	50.0	ND	175	36.1-168			H
Chloroform	55.4	2.00	"	50.0	ND	111	67.5-142			
Chloromethane	73.2	2.00	"	50.0	ND	146	23.5-167			
1,1-Dichloroethane	54.3	2.00	"	50.0	ND	109	46.7-142			
1,2-Dichloroethane	53.9	2.00	"	50.0	ND	108	60.6-151			
1,1-Dichloroethene	50.8	2.00	"	50.0	ND	102	38.7-142			
cis-1,2-Dichloroethene	50.1	2.00	"	50.0	ND	100	49.2-155			
trans-1,2-Dichloroethene	47.1	2.00	"	50.0	ND	94.2	48-137			
1,2-Dichloropropane	55.3	2.00	"	50.0	ND	111	44.6-171			
Ethylbenzene	46.7	2.00	"	50.0	ND	93.4	56.1-144			
2-Hexanone	69.8	10.0	"	50.0	ND	140	41.3-171			
Methylene chloride	30.0	2.00	"	50.0	ND	60.0	41.9-154			
4-Methyl-2-pentanone	75.6	10.0	"	50.0	ND	151	35.8-175			
Styrene	47.4	2.00	"	50.0	ND	94.8	31.1-169			
1,1,2,2-Tetrachloroethane	62.1	2.00	"	50.0	ND	124	43.9-186			
Tetrachloroethene	36.6	2.00	"	50.0	ND	73.2	29.1-160			

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 06/17/03 11:24

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3060327 - EPA 5030B (P/T)										
Matrix Spike (3060327-MS1)		**Source: B306169-01**		Prepared: 06/13/03		Analyzed: 06/14/03				
Toluene	45.4	2.00	ug/l	50.0	ND	90.8	56.2-152			
1,1,1-Trichloroethane	54.8	2.00	"	50.0	ND	110	42.2-152			
1,1,2-Trichloroethane	55.8	2.00	"	50.0	ND	112	69.5-155			
Trichloroethene	48.5	2.00	"	50.0	ND	97.0	13.5-180			
Trichlorofluoromethane	75.9	2.00	"	50.0	ND	152	12-173			
Vinyl acetate	67.4	2.00	"	50.0	ND	135	10-249			
Vinyl chloride	68.0	2.00	"	50.0	ND	136	21.5-165			
Total Xylenes	132	4.00	"	150	ND	88.0	42.9-164			
Surrogate: Dibromofluoromethane	*66.6*		"	*50.0*		*133*	*75.8-127*			H
Surrogate: 1,2-Dichloroethane-d4	*56.4*		"	*50.0*		*113*	*62.5-145*			
Surrogate: Toluene-d8	*51.0*		"	*50.0*		*102*	*76.6-130*			
Surrogate: 4-Bromofluorobenzene	*49.8*		"	*50.0*		*99.6*	*68.9-123*			
Matrix Spike Dup (3060327-MSD1)		**Source: B306169-01**		Prepared: 06/13/03		Analyzed: 06/14/03				
Acetone	95.5	10.0	ug/l	50.0	ND	191	10-191	8.52	53.4	
Benzene	45.4	2.00	"	50.0	ND	90.8	39.3-165	5.57	38.2	
Bromodichloromethane	50.1	2.00	"	50.0	ND	100	39.8-186	5.44	34.2	
Bromoform	48.9	2.00	"	50.0	ND	97.8	28.1-169	5.18	35.5	
Bromomethane	79.6	2.00	"	50.0	ND	159	33.2-164	5.68	33.8	
2-Butanone	57.7	10.0	"	50.0	ND	115	23.9-163	3.24	42.7	
Carbon disulfide	36.7	2.00	"	50.0	ND	73.4	10-170	5.31	25.3	
Carbon tetrachloride	44.6	2.00	"	50.0	ND	89.2	10-181	7.76	37.5	
Chlorobenzene	42.2	2.00	"	50.0	ND	84.4	56.1-150	6.64	17.5	
Chlorodibromomethane	48.5	2.00	"	50.0	ND	97.0	49-157	4.24	29	
Chloroethane	67.0	2.00	"	50.0	ND	134	36.1-168	26.5	46	
Chloroform	51.6	2.00	"	50.0	ND	103	67.5-142	7.10	17.5	
Chloromethane	82.6	2.00	"	50.0	ND	165	23.5-167	12.1	33.8	
1,1-Dichloroethane	56.4	2.00	"	50.0	ND	113	46.7-142	3.79	19.9	
1,2-Dichloroethane	50.6	2.00	"	50.0	ND	101	60.6-151	6.32	16.9	
1,1-Dichloroethene	50.4	2.00	"	50.0	ND	101	38.7-142	0.791	23.5	
cis-1,2-Dichloroethene	46.9	2.00	"	50.0	ND	93.8	49.2-155	6.60	18.6	
trans-1,2-Dichloroethene	44.3	2.00	"	50.0	ND	88.6	48-137	6.13	20.1	
1,2-Dichloropropane	53.0	2.00	"	50.0	ND	106	44.6-171	4.25	32.4	
Ethylbenzene	43.0	2.00	"	50.0	ND	86.0	56.1-144	8.25	24	
2-Hexanone	62.1	10.0	"	50.0	ND	124	41.3-171	11.7	44.7	
Methylene chloride	27.4	2.00	"	50.0	ND	54.8	41.9-154	9.06	23.8	

Great Lakes Analytical--Buffalo Grove

Andy Johnson

Andy Johnson, Project Manager

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GREAT LAKES ANALYTICAL

1380 Busch Parkway
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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 06/17/03 11:24

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3060327 - EPA 5030B (P/T)										
Matrix Spike Dup (3060327-MSD1)		**Source: B306169-01**		Prepared: 06/13/03 Analyzed: 06/14/03						
4-Methyl-2-pentanone	69.1	10.0	ug/l	50.0	ND	138	35.8-175	8.98	38.6	
Styrene	43.7	2.00	"	50.0	ND	87.4	31.1-169	8.12	46.4	
1,1,2,2-Tetrachloroethane	57.7	2.00	"	50.0	ND	115	43.9-186	7.35	33.3	
Tetrachloroethene	34.0	2.00	"	50.0	ND	68.0	29.1-160	7.37	32.3	
Toluene	41.4	2.00	"	50.0	ND	82.8	56.2-152	9.22	28.6	
1,1,1-Trichloroethane	49.2	2.00	"	50.0	ND	98.4	42.2-152	10.8	20.1	
1,1,2-Trichloroethane	51.7	2.00	"	50.0	ND	103	69.5-155	7.63	29.2	
Trichloroethene	45.1	2.00	"	50.0	ND	90.2	13.5-180	7.26	34.1	
Trichlorofluoromethane	80.0	2.00	"	50.0	ND	160	12-173	5.26	39.7	
Vinyl acetate	63.2	2.00	"	50.0	ND	126	10-249	6.43	86.9	
Vinyl chloride	75.2	2.00	"	50.0	ND	150	21.5-165	10.1	54.1	
l Xylenes	121	4.00	"	150	ND	80.7	42.9-164	8.70	30.2	
Surrogate: Dibromofluoromethane	*63.5*		"	*50.0*		*127*	*75.8-127*			
Surrogate: 1,2-Dichloroethane-d4	*54.2*		"	*50.0*		*108*	*62.5-145*			
Surrogate: Toluene-d8	*50.4*		"	*50.0*		*101*	*76.6-130*			
Surrogate: 4-Bromofluorobenzene	*48.9*		"	*50.0*		*97.8*	*68.9-123*			

reat Lakes Analytical--Buffalo Grove

Andy Johnson

Andy Johnson, Project Manager

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GREAT LAKES ANALYTICAL

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Buffalo Grove, Illinois 60089

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EQM	Project: OMC - Waukegan	
1800 Carillon Blvd.	Project Number: 3141-117	**Reported:**
Cincinnati, OH 45240	Project Manager: Jackie Doan	06/17/03 11:24

Notes and Definitions

A	The concentration of the analyte detected in the sample is characteristic of a laboratory artifact.
QC	The result for one or more quality control measurements associated with this sample did not meet the laboratory and/or source method acceptance criteria.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
L	This quality control measurement is below the laboratory established limit.
H	This quality control measurement is above the laboratory established limit.

Great Lakes Analytical--Buffalo Grove Wisconsin DNR Certification Lab ID: 999917160

Great Lakes Analytical--Buffalo Grove NELAP Primary Accreditation: Illinois #100261

Great Lakes Analytical--Buffalo Grove NELAP Secondary Accreditation: New Jersey #IL001

Great Lakes Analytical--Oak Creek, WI Wisconsin DNR Certification Lab ID: 341000330

Great Lakes Analytical--Buffalo Grove

Andy Johnson

Andy Johnson, Project Manager

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1800 Carillon Blvd
Cincinnati, OH 45240
(513) 825-7500

Environmental Quality Management, Inc.
Chain of Custody Record

COC Tracking: EQ-1175

Project No.: 3141-117

Project Name: OMC Waukegan

Samplers/Affiliation: (Print Name and Sign) Ken Brown for EQM

Lab P.O. No: 150

Sample ID:	Date	Time	Description/Matrix:	Sample Volume / Comments	No. of Containers	TESTS: VOC 8260	
MW-13-1	6/6/03	0905	GW	3-40ml	3	X	B306169-01
MW-14D-1		0945			3	X	-02
MW-14S-1		1005				X	-03
MW-T104-1		1118				X	-04
MW-T105-1		1145				X	-05
GP-12-1		1320				X	-06
MW-T106-1		1345				X	-07
TRIP BLANK		1400				X	-08

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Ken Brown	6/6/03	1530	[signature]	6/6/03	3:20
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
			[signature]	10 6/6/03	1009
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Ship To: JACKIE DOAN - EQM
1800 CARILLON BLVD.
CINCINNATI, OH 45240
FAX RESULTS TO (513) 825-7495
AND (847) 782-0658

Airbill Number:

Reporting/QA Requirements:

Turn Around Time (EXACT DUE DATE): 6/13/03

Report To:

Chain of Custody Seal Numbers

Distribution: White - Accompar ipment Pink - Project Files Yellow - Laboratory File

GREAT LAKES ANALYTICAL

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18 June 2003

Jackie Doan
EQM
1800 Carillon Blvd.
Cincinnati, OH 45240
RE: OMC - Waukegan

Enclosed are the results of analyses for samples received by the laboratory on 06/10/03. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Great Lakes Analytical

Andy Johnson

Andy Johnson
Project Manager

GREAT LAKES ANALYTICAL

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Buffalo Grove, Illinois 60089

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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 06/18/03 16:52

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GP-7	B306199-01	Water	06/09/03 10:30	06/10/03 15:00
GP-8	B306199-02	Water	06/09/03 11:10	06/10/03 15:00
GP-6	B306199-03	Water	06/09/03 11:30	06/10/03 15:00
GP-5	B306199-04	Water	06/09/03 12:05	06/10/03 15:00
GP-4	B306199-05	Water	06/09/03 13:45	06/10/03 15:00
MW-T107	B306199-06	Water	06/09/03 14:10	06/10/03 15:00
GP-2	B306199-07	Water	06/09/03 14:40	06/10/03 15:00
GP-15	B306199-08	Water	06/09/03 15:15	06/10/03 15:00
Trip Blank	B306199-09	Water	06/09/03 17:00	06/10/03 15:00

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

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EQM	Project: OMC - Waukegan	
1800 Carillon Blvd.	Project Number: 3141-117	**Reported:**
Cincinnati, OH 45240	Project Manager: Jackie Doan	06/18/03 16:52

Volatile Organic Compounds by EPA Method 8260B

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GP-7 (B306199-01) Water Sampled: 06/09/03 10:30 Received: 06/10/03 15:00									**QC**
Acetone	**11.2**	10.0	ug/l	1	3060362	06/16/03	06/16/03	5030B/8260B	A
Benzene	ND	2.00	"	"	"	"	"	"	
Bromodichloromethane	ND	2.00	"	"	"	"	"	"	
Bromoform	ND	2.00	"	"	"	"	"	"	
Bromomethane	ND	2.00	"	"	"	"	"	"	
2-Butanone	ND	10.0	"	"	"	"	"	"	
Carbon disulfide	ND	2.00	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.00	"	"	"	"	"	"	
Chlorobenzene	ND	2.00	"	"	"	"	"	"	
Chlorodibromomethane	ND	2.00	"	"	"	"	"	"	
Chloroethane	ND	2.00	"	"	"	"	"	"	
Chloroform	ND	2.00	"	"	"	"	"	"	
Chloromethane	ND	2.00	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.00	"	"	"	"	"	"	
[illegible] Dichloroethane	ND	2.00	"	"	"	"	"	"	
[illegible]Dichloroethene	ND	2.00	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.00	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.00	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.00	"	"	"	"	"	"	
1,3-Dichloropropene (cis + trans)	ND	2.00	"	"	"	"	"	"	
Ethylbenzene	ND	2.00	"	"	"	"	"	"	
2-Hexanone	ND	10.0	"	"	"	"	"	"	
Methylene chloride	ND	2.00	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	10.0	"	"	"	"	"	"	
Styrene	ND	2.00	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.00	"	"	"	"	"	"	
Tetrachloroethene	ND	2.00	"	"	"	"	"	"	
Toluene	ND	2.00	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.00	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.00	"	"	"	"	"	"	
Trichloroethene	ND	2.00	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.00	"	"	"	"	"	"	
Vinyl acetate	ND	2.00	"	"	"	"	"	"	
Vinyl chloride	ND	2.00	"	"	"	"	"	"	
Total Xylenes	ND	4.00	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*95.2 %*	*75.8-127*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*92.6 %*	*62.5-145*		"	"	"	"	
Surrogate: Toluene-d8		*105 %*	*76.6-130*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*107 %*	*68.9-123*		"	"	"	"	

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

GREAT LAKES ANALYTICAL

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EQM	Project: OMC - Waukegan	
1800 Carillon Blvd.	Project Number: 3141-117	Reported:
Cincinnati, OH 45240	Project Manager: Jackie Doan	06/18/03 16:52

Volatile Organic Compounds by EPA Method 8260B

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GP-8 (B306199-02) Water Sampled: 06/09/03 11:10 Received: 06/10/03 15:00									**QC**
Acetone	ND	10.0	ug/l	1	3060362	06/16/03	06/16/03	5030B/8260B	
Benzene	ND	2.00	"	"	"	"	"	"	
Bromodichloromethane	ND	2.00	"	"	"	"	"	"	
Bromoform	ND	2.00	"	"	"	"	"	"	
Bromomethane	ND	2.00	"	"	"	"	"	"	
2-Butanone	ND	10.0	"	"	"	"	"	"	
Carbon disulfide	ND	2.00	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.00	"	"	"	"	"	"	
Chlorobenzene	ND	2.00	"	"	"	"	"	"	
Chlorodibromomethane	ND	2.00	"	"	"	"	"	"	
Chloroethane	ND	2.00	"	"	"	"	"	"	
Chloroform	ND	2.00	"	"	"	"	"	"	
Chloromethane	ND	2.00	"	"	"	"	"	"	
1,1-Dichloroethane	**7.75**	2.00	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.00	"	"	"	"	"	"	
1,1-Dichloroethene	**59.3**	2.00	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**16900**	500	"	250	"	"	06/17/03	"	
trans-1,2-Dichloroethene	**66.6**	2.00	"	1	"	"	06/16/03	"	
1,2-Dichloropropane	ND	2.00	"	"	"	"	"	"	
1,3-Dichloropropene (cis + trans)	ND	2.00	"	"	"	"	"	"	
Ethylbenzene	ND	2.00	"	"	"	"	"	"	
2-Hexanone	ND	10.0	"	"	"	"	"	"	
Methylene chloride	ND	2.00	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	10.0	"	"	"	"	"	"	
Styrene	ND	2.00	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.00	"	"	"	"	"	"	
Tetrachloroethene	ND	2.00	"	"	"	"	"	"	
Toluene	**2.77**	2.00	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.00	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.00	"	"	"	"	"	"	
Trichloroethene	**2940**	500	"	250	"	"	06/17/03	"	
Trichlorofluoromethane	ND	2.00	"	1	"	"	06/16/03	"	
Vinyl acetate	ND	2.00	"	"	"	"	"	"	
Vinyl chloride	ND	2.00	"	"	"	"	"	"	
Total Xylenes	ND	4.00	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*99.0 %*	*75.8-127*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*92.2 %*	*62.5-145*		"	"	"	"	
Surrogate: Toluene-d8		*108 %*	*76.6-130*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*106 %*	*68.9-123*		"	"	"	"	

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

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EQM	Project: OMC - Waukegan	
1800 Carillon Blvd.	Project Number: 3141-117	Reported:
Cincinnati, OH 45240	Project Manager: Jackie Doan	06/18/03 16:52

Volatile Organic Compounds by EPA Method 8260B

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GP-6 (B306199-03) Water Sampled: 06/09/03 11:30 Received: 06/10/03 15:00									**QC**
Acetone	ND	10.0	ug/l	1	3060362	06/16/03	06/17/03	5030B/8260B	
Benzene	ND	2.00	"	"	"	"	"	"	
Bromodichloromethane	ND	2.00	"	"	"	"	"	"	
Bromoform	ND	2.00	"	"	"	"	"	"	
Bromomethane	ND	2.00	"	"	"	"	"	"	
2-Butanone	ND	10.0	"	"	"	"	"	"	
Carbon disulfide	ND	2.00	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.00	"	"	"	"	"	"	
Chlorobenzene	ND	2.00	"	"	"	"	"	"	
Chlorodibromomethane	ND	2.00	"	"	"	"	"	"	
Chloroethane	ND	2.00	"	"	"	"	"	"	
Chloroform	ND	2.00	"	"	"	"	"	"	
Chloromethane	ND	2.00	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.00	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.00	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.00	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**4.03**	2.00	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.00	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.00	"	"	"	"	"	"	
1,3-Dichloropropene (cis + trans)	ND	2.00	"	"	"	"	"	"	
Ethylbenzene	ND	2.00	"	"	"	"	"	"	
2-Hexanone	ND	10.0	"	"	"	"	"	"	
Methylene chloride	ND	2.00	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	10.0	"	"	"	"	"	"	
Styrene	ND	2.00	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.00	"	"	"	"	"	"	
Tetrachloroethene	ND	2.00	"	"	"	"	"	"	
Toluene	ND	2.00	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.00	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.00	"	"	"	"	"	"	
Trichloroethene	ND	2.00	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.00	"	"	"	"	"	"	
Vinyl acetate	ND	2.00	"	"	"	"	"	"	
Vinyl chloride	ND	2.00	"	"	"	"	"	"	
Total Xylenes	ND	4.00	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*94.8 %*	*75.8-127*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*94.6 %*	*62.5-145*		"	"	"	"	
Surrogate: Toluene-d8		*107 %*	*76.6-130*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*105 %*	*68.9-123*		"	"	"	"	

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

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EQM	Project: OMC - Waukegan	
1800 Carillon Blvd.	Project Number: 3141-117	**Reported:**
Cincinnati, OH 45240	Project Manager: Jackie Doan	06/18/03 16:52

Volatile Organic Compounds by EPA Method 8260B

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GP-5 (B306199-04) Water Sampled: 06/09/03 12:05 Received: 06/10/03 15:00									**QC**
Acetone	**42.8**	10.0	ug/l	1	3060362	06/16/03	06/16/03	5030B/8260B	A
Benzene	ND	2.00	"	"	"	"	"	"	
Bromodichloromethane	ND	2.00	"	"	"	"	"	"	
Bromoform	ND	2.00	"	"	"	"	"	"	
Bromomethane	ND	2.00	"	"	"	"	"	"	
2-Butanone	ND	10.0	"	"	"	"	"	"	
Carbon disulfide	ND	2.00	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.00	"	"	"	"	"	"	
Chlorobenzene	ND	2.00	"	"	"	"	"	"	
Chlorodibromomethane	ND	2.00	"	"	"	"	"	"	
Chloroethane	**5.10**	2.00	"	"	"	"	"	"	
Chloroform	ND	2.00	"	"	"	"	"	"	
Chloromethane	ND	2.00	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.00	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.00	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.00	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**9.14**	2.00	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.00	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.00	"	"	"	"	"	"	
1,3-Dichloropropene (cis + trans)	ND	2.00	"	"	"	"	"	"	
Ethylbenzene	ND	2.00	"	"	"	"	"	"	
2-Hexanone	ND	10.0	"	"	"	"	"	"	
Methylene chloride	ND	2.00	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	10.0	"	"	"	"	"	"	
Styrene	ND	2.00	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.00	"	"	"	"	"	"	
Tetrachloroethene	ND	2.00	"	"	"	"	"	"	
Toluene	ND	2.00	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.00	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.00	"	"	"	"	"	"	
Trichloroethene	ND	2.00	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.00	"	"	"	"	"	"	
Vinyl acetate	ND	2.00	"	"	"	"	"	"	
Vinyl chloride	**10.4**	2.00	"	"	"	"	"	"	
Total Xylenes	ND	4.00	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*98.0 %*	*75.8-127*	"	"	"	"		
Surrogate: 1,2-Dichloroethane-d4		*98.8 %*	*62.5-145*	"	"	"	"		
Surrogate: Toluene-d8		*105 %*	*76.6-130*	"	"	"	"		
Surrogate: 4-Bromofluorobenzene		*105 %*	*68.9-123*	"	"	"	"		

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

GREAT LAKES ANALYTICAL

1380 Busch Parkway
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EQM	Project: OMC - Waukegan	
1800 Carillon Blvd.	Project Number: 3141-117	**Reported:**
Cincinnati, OH 45240	Project Manager: Jackie Doan	06/18/03 16:52

Volatile Organic Compounds by EPA Method 8260B

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GP-4 (B306199-05) Water Sampled: 06/09/03 13:45 Received: 06/10/03 15:00									**QC**
Acetone	**36.6**	10.0	ug/l	1	3060362	06/16/03	06/17/03	5030B/8260B	A
Benzene	ND	2.00	"	"	"	"	"	"	
Bromodichloromethane	ND	2.00	"	"	"	"	"	"	
Bromoform	ND	2.00	"	"	"	"	"	"	
Bromomethane	ND	2.00	"	"	"	"	"	"	
2-Butanone	ND	10.0	"	"	"	"	"	"	
Carbon disulfide	ND	2.00	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.00	"	"	"	"	"	"	
Chlorobenzene	ND	2.00	"	"	"	"	"	"	
Chlorodibromomethane	ND	2.00	"	"	"	"	"	"	
Chloroethane	ND	2.00	"	"	"	"	"	"	
Chloroform	ND	2.00	"	"	"	"	"	"	
Chloromethane	ND	2.00	"	"	"	"	"	"	
1,1-Dichloroethane	**163**	2.00	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.00	"	"	"	"	"	"	
Dichloroethene	**7.92**	2.00	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**1660**	20.0	"	10	"	"	06/17/03	"	
trans-1,2-Dichloroethene	**27.2**	2.00	"	1	"	"	06/17/03	"	
1,2-Dichloropropane	ND	2.00	"	"	"	"	"	"	
1,3-Dichloropropene (cis + trans)	ND	2.00	"	"	"	"	"	"	
Ethylbenzene	ND	2.00	"	"	"	"	"	"	
2-Hexanone	ND	10.0	"	"	"	"	"	"	
Methylene chloride	ND	2.00	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	10.0	"	"	"	"	"	"	
Styrene	ND	2.00	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.00	"	"	"	"	"	"	
Tetrachloroethene	ND	2.00	"	"	"	"	"	"	
Toluene	ND	2.00	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.00	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.00	"	"	"	"	"	"	
Trichloroethene	**5.98**	2.00	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.00	"	"	"	"	"	"	
Vinyl acetate	ND	2.00	"	"	"	"	"	"	
Vinyl chloride	**103**	2.00	"	"	"	"	"	"	
Total Xylenes	ND	4.00	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*95.6 %*	*75.8-127*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*92.4 %*	*62.5-145*		"	"	"	"	
Surrogate: Toluene-d8		*105 %*	*76.6-130*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*106 %*	*68.9-123*		"	"	"	"	

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

GREAT LAKES ANALYTICAL

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EQM	Project: OMC - Waukegan	
1800 Carillon Blvd.	Project Number: 3141-117	Reported:
Cincinnati, OH 45240	Project Manager: Jackie Doan	06/18/03 16:52

Volatile Organic Compounds by EPA Method 8260B

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-T107 (B306199-06) Water Sampled: 06/09/03 14:10 Received: 06/10/03 15:00									**QC**
Acetone	**58.0**	10.0	ug/l	1	3060362	06/16/03	06/17/03	5030B/8260B	A
Benzene	ND	2.00	"	"	"	"	"	"	
Bromodichloromethane	ND	2.00	"	"	"	"	"	"	
Bromoform	ND	2.00	"	"	"	"	"	"	
Bromomethane	ND	2.00	"	"	"	"	"	"	
2-Butanone	ND	10.0	"	"	"	"	"	"	
Carbon disulfide	ND	2.00	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.00	"	"	"	"	"	"	
Chlorobenzene	ND	2.00	"	"	"	"	"	"	
Chlorodibromomethane	ND	2.00	"	"	"	"	"	"	
Chloroethane	ND	2.00	"	"	"	"	"	"	
Chloroform	ND	2.00	"	"	"	"	"	"	
Chloromethane	ND	2.00	"	"	"	"	"	"	
1,1-Dichloroethane	**2.03**	2.00	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.00	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.00	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.00	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.00	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.00	"	"	"	"	"	"	
1,3-Dichloropropene (cis + trans)	ND	2.00	"	"	"	"	"	"	
Ethylbenzene	ND	2.00	"	"	"	"	"	"	
2-Hexanone	ND	10.0	"	"	"	"	"	"	
Methylene chloride	ND	2.00	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	10.0	"	"	"	"	"	"	
Styrene	ND	2.00	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.00	"	"	"	"	"	"	
Tetrachloroethene	ND	2.00	"	"	"	"	"	"	
Toluene	ND	2.00	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.00	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.00	"	"	"	"	"	"	
Trichloroethene	ND	2.00	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.00	"	"	"	"	"	"	
Vinyl acetate	ND	2.00	"	"	"	"	"	"	
Vinyl chloride	ND	2.00	"	"	"	"	"	"	
Total Xylenes	ND	4.00	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*92.6 %*	*75.8-127*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*96.6 %*	*62.5-145*		"	"	"	"	
Surrogate: Toluene-d8		*102 %*	*76.6-130*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*106 %*	*68.9-123*		"	"	"	"	

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

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EQM	Project: OMC - Waukegan	
1800 Carillon Blvd.	Project Number: 3141-117	Reported:
Cincinnati, OH 45240	Project Manager: Jackie Doan	06/18/03 16:52

Volatile Organic Compounds by EPA Method 8260B

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GP-2 (B306199-07) Water Sampled: 06/09/03 14:40 Received: 06/10/03 15:00									**QC**
Acetone	**67.7**	10.0	ug/l	1	3060362	06/16/03	06/17/03	5030B/8260B	A
Benzene	ND	2.00	"	"	"	"	"	"	
Bromodichloromethane	ND	2.00	"	"	"	"	"	"	
Bromoform	ND	2.00	"	"	"	"	"	"	
Bromomethane	ND	2.00	"	"	"	"	"	"	
2-Butanone	ND	10.0	"	"	"	"	"	"	
Carbon disulfide	ND	2.00	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.00	"	"	"	"	"	"	
Chlorobenzene	ND	2.00	"	"	"	"	"	"	
Chlorodibromomethane	ND	2.00	"	"	"	"	"	"	
Chloroethane	ND	2.00	"	"	"	"	"	"	
Chloroform	ND	2.00	"	"	"	"	"	"	
Chloromethane	ND	2.00	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.00	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.00	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.00	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.00	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.00	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.00	"	"	"	"	"	"	
1,3-Dichloropropene (cis + trans)	ND	2.00	"	"	"	"	"	"	
Ethylbenzene	ND	2.00	"	"	"	"	"	"	
2-Hexanone	ND	10.0	"	"	"	"	"	"	
Methylene chloride	ND	2.00	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	10.0	"	"	"	"	"	"	
Styrene	ND	2.00	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.00	"	"	"	"	"	"	
Tetrachloroethene	ND	2.00	"	"	"	"	"	"	
Toluene	ND	2.00	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.00	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.00	"	"	"	"	"	"	
Trichloroethene	ND	2.00	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.00	"	"	"	"	"	"	
Vinyl acetate	ND	2.00	"	"	"	"	"	"	
Vinyl chloride	ND	2.00	"	"	"	"	"	"	
Total Xylenes	ND	4.00	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*91.0 %*	*75.8-127*	"	"	"	"		
Surrogate: 1,2-Dichloroethane-d4		*93.0 %*	*62.5-145*	"	"	"	"		
Surrogate: Toluene-d8		*103 %*	*76.6-130*	"	"	"	"		
Surrogate: 4-Bromofluorobenzene		*106 %*	*68.9-123*	"	"	"	"		

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

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EQM	Project: OMC - Waukegan	
1800 Carillon Blvd.	Project Number: 3141-117	**Reported:**
Cincinnati, OH 45240	Project Manager: Jackie Doan	06/18/03 16:52

Volatile Organic Compounds by EPA Method 8260B

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GP-15 (B306199-08) Water Sampled: 06/09/03 15:15 Received: 06/10/03 15:00									**QC**
Acetone	ND	10.0	ug/l	1	3060362	06/16/03	06/17/03	5030B/8260B	
Benzene	ND	2.00	"	"	"	"	"	"	
Bromodichloromethane	ND	2.00	"	"	"	"	"	"	
Bromoform	ND	2.00	"	"	"	"	"	"	
Bromomethane	ND	2.00	"	"	"	"	"	"	
2-Butanone	ND	10.0	"	"	"	"	"	"	
Carbon disulfide	ND	2.00	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.00	"	"	"	"	"	"	
Chlorobenzene	ND	2.00	"	"	"	"	"	"	
Chlorodibromomethane	ND	2.00	"	"	"	"	"	"	
Chloroethane	ND	2.00	"	"	"	"	"	"	
Chloroform	ND	2.00	"	"	"	"	"	"	
Chloromethane	ND	2.00	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.00	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.00	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.00	"	"	"	"	"	"	
cis-1,2-Dichloroethene	**185**	2.00	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.00	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.00	"	"	"	"	"	"	
1,3-Dichloropropene (cis + trans)	ND	2.00	"	"	"	"	"	"	
Ethylbenzene	ND	2.00	"	"	"	"	"	"	
2-Hexanone	ND	10.0	"	"	"	"	"	"	
Methylene chloride	ND	2.00	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	10.0	"	"	"	"	"	"	
Styrene	ND	2.00	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.00	"	"	"	"	"	"	
Tetrachloroethene	ND	2.00	"	"	"	"	"	"	
Toluene	ND	2.00	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.00	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.00	"	"	"	"	"	"	
Trichloroethene	**137**	2.00	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.00	"	"	"	"	"	"	
Vinyl acetate	ND	2.00	"	"	"	"	"	"	
Vinyl chloride	**3.56**	2.00	"	"	"	"	"	"	
Total Xylenes	ND	4.00	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*97.6 %*	*75.8-127*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*96.0 %*	*62.5-145*		"	"	"	"	
Surrogate: Toluene-d8		*104 %*	*76.6-130*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*107 %*	*68.9-123*		"	"	"	"	

Great Lakes Analytical--Buffalo Grove

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Andy Johnson, Project Manager

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EQM	Project: OMC - Waukegan	
1800 Carillon Blvd.	Project Number: 3141-117	Reported:
Cincinnati, OH 45240	Project Manager: Jackie Doan	06/18/03 16:52

Volatile Organic Compounds by EPA Method 8260B

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Trip Blank (B306199-09) Water Sampled: 06/09/03 17:00 Received: 06/10/03 15:00									**QC**
Acetone	ND	10.0	ug/l	1	3060362	06/16/03	06/17/03	5030B/8260B	
Benzene	ND	2.00	"	"	"	"	"	"	
Bromodichloromethane	ND	2.00	"	"	"	"	"	"	
Bromoform	ND	2.00	"	"	"	"	"	"	
Bromomethane	ND	2.00	"	"	"	"	"	"	
2-Butanone	ND	10.0	"	"	"	"	"	"	
Carbon disulfide	ND	2.00	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.00	"	"	"	"	"	"	
Chlorobenzene	ND	2.00	"	"	"	"	"	"	
Chlorodibromomethane	ND	2.00	"	"	"	"	"	"	
Chloroethane	ND	2.00	"	"	"	"	"	"	
Chloroform	ND	2.00	"	"	"	"	"	"	
Chloromethane	ND	2.00	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.00	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.00	"	"	"	"	"	"	
Dichloroethene	ND	2.00	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.00	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.00	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.00	"	"	"	"	"	"	
1,3-Dichloropropene (cis + trans)	ND	2.00	"	"	"	"	"	"	
Ethylbenzene	ND	2.00	"	"	"	"	"	"	
2-Hexanone	ND	10.0	"	"	"	"	"	"	
Methylene chloride	ND	2.00	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	10.0	"	"	"	"	"	"	
Styrene	ND	2.00	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.00	"	"	"	"	"	"	
Tetrachloroethene	ND	2.00	"	"	"	"	"	"	
Toluene	ND	2.00	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.00	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.00	"	"	"	"	"	"	
Trichloroethene	ND	2.00	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.00	"	"	"	"	"	"	
Vinyl acetate	ND	2.00	"	"	"	"	"	"	
Vinyl chloride	ND	2.00	"	"	"	"	"	"	
Total Xylenes	ND	4.00	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*99.2 %*	*75.8-127*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*98.8 %*	*62.5-145*		"	"	"	"	
Surrogate: Toluene-d8		*104 %*	*76.6-130*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*105 %*	*68.9-123*		"	"	"	"	

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

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EQM	Project: OMC - Waukegan	
1800 Carillon Blvd.	Project Number: 3141-117	Reported:
Cincinnati, OH 45240	Project Manager: Jackie Doan	06/18/03 16:52

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3060362 - EPA 5030B (P/T)										
Blank (3060362-BLK1)				Prepared: 06/16/03 Analyzed: 06/18/03						
Acetone	ND	10.0	ug/l							
Benzene	ND	2.00	"							
Bromodichloromethane	ND	2.00	"							
Bromoform	ND	2.00	"							
Bromomethane	ND	2.00	"							
2-Butanone	ND	10.0	"							
Carbon disulfide	ND	2.00	"							
Carbon tetrachloride	ND	2.00	"							
Chlorobenzene	ND	2.00	"							
Chlorodibromomethane	ND	2.00	"							
Chloroethane	ND	2.00	"							
Chloroform	ND	2.00	"							
Chloromethane	ND	2.00	"							
1,1-Dichloroethane	ND	2.00	"							
1,2-Dichloroethane	ND	2.00	"							
1,1-Dichloroethene	ND	2.00	"							
cis-1,2-Dichloroethene	ND	2.00	"							
trans-1,2-Dichloroethene	ND	2.00	"							
1,2-Dichloropropane	ND	2.00	"							
1,3-Dichloropropene (cis + trans)	ND	2.00	"							
Ethylbenzene	ND	2.00	"							
2-Hexanone	ND	10.0	"							
Methylene chloride	3.06	2.00	"							
4-Methyl-2-pentanone	ND	10.0	"							
Styrene	ND	2.00	"							
1,1,2,2-Tetrachloroethane	ND	2.00	"							
Tetrachloroethene	ND	2.00	"							
Toluene	ND	2.00	"							
1,1,1-Trichloroethane	ND	2.00	"							
1,1,2-Trichloroethane	ND	2.00	"							
Trichloroethene	ND	2.00	"							
Trichlorofluoromethane	ND	2.00	"							
Vinyl acetate	ND	2.00	"							
Vinyl chloride	ND	2.00	"							
Total Xylenes	ND	4.00	"							

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

GREAT LAKES ANALYTICAL

1380 Busch Parkway
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EQM
1800 Carillon Blvd.
Cincinnati, OH 45240

Project: OMC - Waukegan
Project Number: 3141-117
Project Manager: Jackie Doan

Reported:
06/18/03 16:52

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3060362 - EPA 5030B (P/T)										
Blank (3060362-BLK1)				Prepared: 06/16/03 Analyzed: 06/18/03						
Surrogate: Dibromofluoromethane	*50.9*		*ug/l*	*50.0*		*102*	*75.8-127*			
Surrogate: 1,2-Dichloroethane-d4	*49.3*		*"*	*50.0*		*98.6*	*62.5-145*			
Surrogate: Toluene-d8	*50.7*		*"*	*50.0*		*101*	*76.6-130*			
Surrogate: 4-Bromofluorobenzene	*47.2*		*"*	*50.0*		*94.4*	*68.9-123*			
LCS (3060362-BS1)				Prepared: 06/16/03 Analyzed: 06/17/03						
Acetone	131	10.0	ug/l	50.0		262	13.2-233			H
Benzene	48.6	2.00	"	50.0		97.2	61.3-142			
Bromodichloromethane	45.1	2.00	"	50.0		90.2	65.9-162			
Bromoform	38.6	2.00	"	50.0		77.2	30.2-176			
Bromomethane	54.7	2.00	"	50.0		109	33.8-161			
2-Butanone	43.4	10.0	"	50.0		86.8	40.5-168			
on disulfide	27.8	2.00	"	50.0		55.6	10-179			
arbon tetrachloride	45.6	2.00	"	50.0		91.2	40.3-164			
Chlorobenzene	50.5	2.00	"	50.0		101	79.9-132			
Chlorodibromomethane	42.2	2.00	"	50.0		84.4	54-159			
Chloroethane	23.9	2.00	"	50.0		47.8	37.1-163			
Chloroform	47.0	2.00	"	50.0		94.0	78.6-132			
Chloromethane	56.9	2.00	"	50.0		114	34.3-158			
1,1-Dichloroethane	47.4	2.00	"	50.0		94.8	58.2-134			
1,2-Dichloroethane	43.8	2.00	"	50.0		87.6	73-136			
1,1-Dichloroethene	43.8	2.00	"	50.0		87.6	58-136			
cis-1,2-Dichloroethene	48.8	2.00	"	50.0		97.6	76.3-135			
trans-1,2-Dichloroethene	46.2	2.00	"	50.0		92.4	58.3-137			
1,2-Dichloropropane	50.4	2.00	"	50.0		101	65.9-147			
Ethylbenzene	50.9	2.00	"	50.0		102	78.4-130			
2-Hexanone	65.9	10.0	"	50.0		132	23.7-198			
Methylene chloride	42.2	2.00	"	50.0		84.4	52.2-142			
4-Methyl-2-pentanone	55.5	10.0	"	50.0		111	47.6-160			
Styrene	51.1	2.00	"	50.0		102	69.2-144			
1,1,2,2-Tetrachloroethane	61.5	2.00	"	50.0		123	40.3-164			
Tetrachloroethene	54.0	2.00	"	50.0		108	44.9-165			
Toluene	51.3	2.00	"	50.0		103	77.4-131			
1,1,1-Trichloroethane	44.4	2.00	"	50.0		88.8	66.6-143			
1,1,2-Trichloroethane	52.6	2.00	"	50.0		105	74.8-147			
richloroethene	51.7	2.00	"	50.0		103	46.7-169			

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

GREAT LAKES ANALYTICAL

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EQM	Project: OMC - Waukegan	
1800 Carillon Blvd.	Project Number: 3141-117	Reported:
Cincinnati, OH 45240	Project Manager: Jackie Doan	06/18/03 16:52

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3060362 - EPA 5030B (P/T)										
LCS (3060362-BS1)				Prepared: 06/16/03 Analyzed: 06/17/03						
Trichlorofluoromethane	44.5	2.00	ug/l	50.0		89.0	36-164			
Vinyl acetate	70.2	2.00	"	50.0		140	10-231			
Vinyl chloride	57.7	2.00	"	50.0		115	51.5-146			
Total Xylenes	153	4.00	"	150		102	72.4-140			
Surrogate: Dibromofluoromethane	*48.2*		"	*50.0*		*96.4*	*75.8-127*			
Surrogate: 1,2-Dichloroethane-d4	*47.9*		"	*50.0*		*95.8*	*62.5-145*			
Surrogate: Toluene-d8	*53.1*		"	*50.0*		*106*	*76.6-130*			
Surrogate: 4-Bromofluorobenzene	*54.0*		"	*50.0*		*108*	*68.9-123*			
Matrix Spike (3060362-MS1)		**Source: B306199-08**		Prepared: 06/16/03 Analyzed: 06/17/03						
Acetone	194	10.0	ug/l	50.0	ND	388	10-191			H
Benzene	53.2	2.00	"	50.0	ND	106	39.3-165			
Bromodichloromethane	49.0	2.00	"	50.0	ND	98.0	39.8-186			
Bromoform	42.6	2.00	"	50.0	ND	85.2	28.1-169			
Bromomethane	58.6	2.00	"	50.0	ND	117	33.2-164			
2-Butanone	59.4	10.0	"	50.0	ND	119	23.9-163			
Carbon disulfide	31.4	2.00	"	50.0	ND	62.8	10-170			
Carbon tetrachloride	50.5	2.00	"	50.0	ND	101	10-181			
Chlorobenzene	55.0	2.00	"	50.0	ND	110	56.1-150			
Chlorodibromomethane	48.1	2.00	"	50.0	ND	96.2	49-157			
Chloroethane	62.0	2.00	"	50.0	ND	124	36.1-168			
Chloroform	51.5	2.00	"	50.0	ND	103	67.5-142			
Chloromethane	56.5	2.00	"	50.0	ND	113	23.5-167			
1,1-Dichloroethane	52.0	2.00	"	50.0	ND	104	46.7-142			
1,2-Dichloroethane	48.5	2.00	"	50.0	ND	97.0	60.6-151			
1,1-Dichloroethene	50.9	2.00	"	50.0	0.570	101	38.7-142			
cis-1,2-Dichloroethene	265	2.00	"	50.0	185	160	49.2-155			H
trans-1,2-Dichloroethene	52.0	2.00	"	50.0	1.08	102	48-137			
1,2-Dichloropropane	55.5	2.00	"	50.0	ND	111	44.6-171			
Ethylbenzene	55.7	2.00	"	50.0	ND	111	56.1-144			
2-Hexanone	43.3	10.0	"	50.0	ND	86.6	41.3-171			
Methylene chloride	50.3	2.00	"	50.0	ND	101	41.9-154			
4-Methyl-2-pentanone	46.5	10.0	"	50.0	ND	93.0	35.8-175			
Styrene	57.3	2.00	"	50.0	ND	115	31.1-169			
1,1,2,2-Tetrachloroethane	66.4	2.00	"	50.0	ND	133	43.9-186			
Tetrachloroethene	58.7	2.00	"	50.0	ND	117	29.1-160			

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

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1380 Busch Parkway
Buffalo Grove, Illinois 60089

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(847) 808-7766 FAX (847) 808-7772

EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 06/18/03 16:52

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3060362 - EPA 5030B (P/T)										
Matrix Spike (3060362-MS1)		**Source: B306199-08**		Prepared: 06/16/03		Analyzed: 06/17/03				
Toluene	57.0	2.00	ug/l	50.0	ND	114	56.2-152			
1,1,1-Trichloroethane	48.3	2.00	"	50.0	ND	96.6	42.2-152			
1,1,2-Trichloroethane	58.2	2.00	"	50.0	ND	116	69.5-155			
Trichloroethene	196	2.00	"	50.0	137	118	13.5-180			
Trichlorofluoromethane	68.0	2.00	"	50.0	ND	136	12-173			
Vinyl acetate	33.0	2.00	"	50.0	ND	66.0	10-249			
Vinyl chloride	62.6	2.00	"	50.0	3.56	118	21.5-165			
Total Xylenes	166	4.00	"	150	ND	111	42.9-164			
Surrogate: Dibromofluoromethane	*48.1*		*"*	*50.0*		*96.2*	*75.8-127*			
Surrogate: 1,2-Dichloroethane-d4	*48.1*		*"*	*50.0*		*96.2*	*62.5-145*			
Surrogate: Toluene-d8	*52.3*		*"*	*50.0*		*105*	*76.6-130*			
Surrogate: 4-Bromofluorobenzene	*53.9*		*"*	*50.0*		*108*	*68.9-123*			
Matrix Spike Dup (3060362-MSD1)		**Source: B306199-08**		Prepared: 06/16/03		Analyzed: 06/17/03				
Acetone	103	10.0	ug/l	50.0	ND	206	10-191	61.3	53.4	HH
Benzene	45.5	2.00	"	50.0	ND	91.0	39.3-165	15.6	38.2	
Bromodichloromethane	41.2	2.00	"	50.0	ND	82.4	39.8-186	17.3	34.2	
Bromoform	31.7	2.00	"	50.0	ND	63.4	28.1-169	29.3	35.5	
Bromomethane	53.1	2.00	"	50.0	ND	106	33.2-164	9.85	33.8	
2-Butanone	55.3	10.0	"	50.0	ND	111	23.9-163	7.15	42.7	
Carbon disulfide	27.5	2.00	"	50.0	ND	55.0	10-170	13.2	25.3	
Carbon tetrachloride	44.6	2.00	"	50.0	ND	89.2	10-181	12.4	37.5	
Chlorobenzene	38.1	2.00	"	50.0	ND	76.2	56.1-150	36.3	17.5	H
Chlorodibromomethane	33.9	2.00	"	50.0	ND	67.8	49-157	34.6	29	H
Chloroethane	54.2	2.00	"	50.0	ND	108	36.1-168	13.4	46	
Chloroform	42.9	2.00	"	50.0	ND	85.8	67.5-142	18.2	17.5	H
Chloromethane	54.3	2.00	"	50.0	ND	109	23.5-167	3.97	33.8	
1,1-Dichloroethane	44.5	2.00	"	50.0	ND	89.0	46.7-142	15.5	19.9	
1,2-Dichloroethane	40.8	2.00	"	50.0	ND	81.6	60.6-151	17.2	16.9	H
1,1-Dichloroethene	44.5	2.00	"	50.0	0.570	87.9	38.7-142	13.4	23.5	
cis-1,2-Dichloroethene	227	2.00	"	50.0	185	84.0	49.2-155	15.4	18.6	
trans-1,2-Dichloroethene	44.1	2.00	"	50.0	1.08	86.0	48-137	16.4	20.1	
1,2-Dichloropropane	47.9	2.00	"	50.0	ND	95.8	44.6-171	14.7	32.4	
Ethylbenzene	38.8	2.00	"	50.0	ND	77.6	56.1-144	35.8	24	H
2-Hexanone	49.2	10.0	"	50.0	ND	98.4	41.3-171	12.8	44.7	
Methylene chloride	41.4	2.00	"	50.0	ND	82.8	41.9-154	19.4	23.8	

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

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EQM	Project: OMC - Waukegan	
1800 Carillon Blvd.	Project Number: 3141-117	**Reported:**
Cincinnati, OH 45240	Project Manager: Jackie Doan	06/18/03 16:52

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3060362 - EPA 5030B (P/T)										
Matrix Spike Dup (3060362-MSD1)		**Source: B306199-08**		Prepared: 06/16/03 Analyzed: 06/17/03						
4-Methyl-2-pentanone	58.2	10.0	ug/l	50.0	ND	116	35.8-175	22.3	38.6	
Styrene	34.2	2.00	"	50.0	ND	68.4	31.1-169	50.5	46.4	H
1,1,2,2-Tetrachloroethane	52.6	2.00	"	50.0	ND	105	43.9-186	23.2	33.3	
Tetrachloroethene	41.2	2.00	"	50.0	ND	82.4	29.1-160	35.0	32.3	H
Toluene	39.6	2.00	"	50.0	ND	79.2	56.2-152	36.0	28.6	H
1,1,1-Trichloroethane	41.5	2.00	"	50.0	ND	83.0	42.2-152	15.1	20.1	
1,1,2-Trichloroethane	42.2	2.00	"	50.0	ND	84.4	69.5-155	31.9	29.2	H
Trichloroethene	180	2.00	"	50.0	137	86.0	13.5-180	8.51	34.1	
Trichlorofluoromethane	55.2	2.00	"	50.0	ND	110	12-173	20.8	39.7	
Vinyl acetate	48.8	2.00	"	50.0	ND	97.6	10-249	38.6	86.9	
Vinyl chloride	61.2	2.00	"	50.0	3.56	115	21.5-165	2.26	54.1	
Total Xylenes	116	4.00	"	150	ND	77.3	42.9-164	35.5	30.2	H
Surrogate: Dibromofluoromethane	*47.0*		"	*50.0*		*94.0*	*75.8-127*			
Surrogate: 1,2-Dichloroethane-d4	*48.0*		"	*50.0*		*96.0*	*62.5-145*			
Surrogate: Toluene-d8	*43.0*		"	*50.0*		*86.0*	*76.6-130*			
Surrogate: 4-Bromofluorobenzene	*43.2*		"	*50.0*		*86.4*	*68.9-123*			

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 06/18/03 16:52

Notes and Definitions

A	The concentration of the analyte detected in the sample is characteristic of a laboratory artifact.
QC	The result for one or more quality control measurements associated with this sample did not meet the laboratory and/or source method acceptance criteria.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
L	This quality control measurement is below the laboratory established limit.
H	This quality control measurement is above the laboratory established limit.

Great Lakes Analytical--Buffalo Grove Wisconsin DNR Certification Lab ID: 999917160

Great Lakes Analytical--Buffalo Grove NELAP Primary Accreditation: Illinois #100261

Great Lakes Analytical--Buffalo Grove NELAP Secondary Accreditation: New Jersey #IL001

Great Lakes Analytical--Oak Creek, WI Wisconsin DNR Certification Lab ID: 341000330

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Andy Johnson

Andy Johnson, Project Manager

ANALYSIS FOR USEPA/OMC

HYDRAULIC OIL

Flash Point
BTU
TOX
PCB

OIL SLUDGE

Flash Point
pH
Paint Filter
TCLP Metals
TCLP VOA
TCLP SVOA
TOX
PCB
Total Phenyl
Reactive Cyanide
Reactive Sulfide

Composite of sludge

The filter media and carbon should be sampled and analyzed for the same perimeters as the oil sludge

Jeff

GREAT
LAKES
ANALYTICAL

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Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

19 June 2003

Jackie Doan
EQM
1800 Carillon Blvd.
Cincinnati, OH 45240
RE: OMC - Waukegan

Enclosed are the results of analyses for samples received by the laboratory on 06/17/03. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Great Lakes Analytical

Andy Johnson

Andy Johnson
Project Manager

GREAT LAKES ANALYTICAL

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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 06/19/03 14:21

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WP-407	B306303-01	Wipe	06/16/03 17:00	06/17/03 11:15
WP-408	B306303-02	Wipe	06/16/03 17:00	06/17/03 11:15

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 06/19/03 14:21

Polychlorinated Biphenyls by EPA Method 8082
Great Lakes Analytical–Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WP-407 (B306303-01) Wipe Sampled: 06/16/03 17:00 Received: 06/17/03 11:15									
PCB-1016	ND	0.500	ug/100 cm²	1	3060390	06/17/03	06/18/03	EPA 8082	
PCB-1221	ND	0.500	"	"	"	"	"	"	
PCB-1232	ND	0.500	"	"	"	"	"	"	
PCB-1242	ND	0.500	"	"	"	"	"	"	
PCB-1248	**148**	50.0	"	100	"	"	06/18/03	"	
PCB-1254	ND	0.500	"	1	"	"	06/18/03	"	
PCB-1260	ND	0.500	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*54.4 %*	*10-116*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*54.7 %*	*10-209*		"	"	"	"	
WP-408 (B306303-02) Wipe Sampled: 06/16/03 17:00 Received: 06/17/03 11:15									
PCB-1016	ND	0.500	ug/100 cm²	1	3060390	06/17/03	06/18/03	EPA 8082	
PCB-1221	ND	0.500	"	"	"	"	"	"	
PCB-1232	ND	0.500	"	"	"	"	"	"	
1242	ND	0.500	"	"	"	"	"	"	
[illegible]-1248	**297**	100	"	200	"	"	06/19/03	"	
PCB-1254	ND	0.500	"	1	"	"	06/18/03	"	
PCB-1260	ND	0.500	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*56.6 %*	*10-116*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*53.9 %*	*10-209*		"	"	"	"	

Great Lakes Analytical–Buffalo Grove

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Andy Johnson

Andy Johnson, Project Manager

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 06/19/03 14:21

Polychlorinated Biphenyls by EPA Method 8082 - Quality Control

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3060390 - EPA 3550B										
Blank (3060390-BLK1)				Prepared: 06/17/03 Analyzed: 06/18/03						
PCB-1016	ND	0.500	ug/100 cm²							
PCB-1221	ND	0.500	"							
PCB-1232	ND	0.500	"							
PCB-1242	ND	0.500	"							
PCB-1248	ND	0.500	"							
PCB-1254	ND	0.500	"							
PCB-1260	ND	0.500	"							
Surrogate: Tetrachloro-meta-xylene	*0.578*		"	*1.00*		*57.8*	*10-116*			
Surrogate: Decachlorobiphenyl	*0.833*		"	*1.00*		*83.3*	*10-209*			
LCS (3060390-BS1)				Prepared: 06/17/03 Analyzed: 06/18/03						
PCB-1016	3.89	0.500	ug/100 cm²	10.0		38.9	21.2-107			
PCB-1260	3.96	0.500	"	10.0		39.6	24.8-128			
Surrogate: Tetrachloro-meta-xylene	*0.741*		"	*1.00*		*74.1*	*10-116*			
Surrogate: Decachlorobiphenyl	*0.746*		"	*1.00*		*74.6*	*10-209*			
LCS Dup (3060390-BSD1)				Prepared: 06/17/03 Analyzed: 06/18/03						
PCB-1016	3.30	0.500	ug/100 cm²	10.0		33.0	21.2-107	16.4	54.4	
PCB-1260	3.93	0.500	"	10.0		39.3	24.8-128	0.760	44.4	
Surrogate: Tetrachloro-meta-xylene	*0.648*		"	*1.00*		*64.8*	*10-116*			
Surrogate: Decachlorobiphenyl	*0.753*		"	*1.00*		*75.3*	*10-209*			

Great Lakes Analytical--Buffalo Grove

The results in this report apply to the samples analyzed in accordance with the cha... of custody document. This analytical report must be reproduced in its entirety.

Andy Johnson

Andy Johnson, Project Manager

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 06/19/03 14:21

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
L	This quality control measurement is below the laboratory established limit.
H	This quality control measurement is above the laboratory established limit.

Great Lakes Analytical--Buffalo Grove Wisconsin DNR Certification Lab ID: 999917160

Great Lakes Analytical--Buffalo Grove NELAP Primary Accreditation: Illinois #100261

Great Lakes Analytical--Buffalo Grove NELAP Secondary Accreditation: New Jersey #IL001

Great Lakes Analytical--Oak Creek, WI Wisconsin DNR Certification Lab ID: 341000330

Great Lakes Analytical--Buffalo Grove

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Andy Johnson

Andy Johnson, Project Manager

1[illegible] [illegible]arillon Blvd
C[illegible] [illegible]ati, OH 45240
(513) 825-7500

Environmental Quality Management, Inc.
Chai[illegible] Custody Record

COC Trackin[illegible] [illegible]Q- 1119[illegible]

Project No.	Project Name
3141-117	OMC Waukegan

Samplers/Affiliation: *(Print Name and Sign)* Ken Brown for EQM [signature]

Lab P.O. No:

Sample ID:	Date	Time	Description/Matrix:	Sample Volume / Comments	No. of Containers	PCBs (8082)	TESTS
WP-407	6/16/03	1700	WIPE (100 cm²)		1	X	B306303-01
WP-408	6/16/03	1700	WIPE (100 cm²)		1	X	-02

Relinquished by: *(Signature)*	Date	Time	Received by: *(Signature)*	Date	Time
[signature]	6/17/03	0800	[signature]	6/17/03	1015
[signature]	6/17/03	1115	[signature]	6.17.03	1150

Ship To: JACKIE DOAN - EQM
1800 CARILLON BLVD.
CINCINNATI, OH 45240
FAX RESULTS TO: (513) 825-7495
AND (847) 782-0658

Airbill Number

Reporting/QA Requirements:

Turn Around Time (**EXACT DUE DATE**): 6/19/03

Report To:

Chain of Custody Seal Numbers

4°C 2DAYTAT

Distribution: White - Accompanies Shipment Pink - Project Files Yellow - Laboratory File

06/19/03 13:32 FAX 847 808 7772 GREAT LAKES ANALYTICAL

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

19 June 2003

Jackie Doan
EQM
1800 Carillon Blvd.
Cincinnati, OH 45240
RE: OMC - Waukegan

Enclosed are the results of analyses for samples received by the laboratory on 06/10/03. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Great Lakes Analytical

Andy Johnson

Andy Johnson
Project Manager

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

EQM	Project: OMC - Waukegan	
1800 Carillon Blvd.	Project Number: 3141-117	**Reported:**
Cincinnati, OH 45240	Project Manager: Jackie Doan	06/19/03 11:23

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WP-404	B306198-01	Wipe	06/09/03 16:40	06/10/03 15:00
WP-405	B306198-02	Wipe	06/09/03 16:40	06/10/03 15:00
WP-406	B306198-03	Wipe	06/09/03 16:40	06/10/03 15:00

Great Lakes Analytical--Buffalo Grove

Andy Johnson

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 06/19/03 11:23

Polychlorinated Biphenyls by EPA Method 8082

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WP-404 (B306198-01) Wipe Sampled: 06/09/03 16:40 Received: 06/10/03 15:00									
PCB-1016	ND	0.500	ug/Wipe	1	3060335	06/16/03	06/17/03	EPA 8082	
PCB-1221	ND	0.500	"	"	"	"	"	"	
PCB-1232	ND	0.500	"	"	"	"	"	"	
PCB-1242	ND	0.500	"	"	"	"	"	"	
PCB-1248	**11.0**	5.00	"	10	"	"	06/17/03	"	
PCB-1254	ND	0.500	"	1	"	"	06/17/03	"	
PCB-1260	ND	0.500	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*90.7 %*	*10-116*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*87.5 %*	*10-209*		"	"	"	"	
WP-405 (B306198-02) Wipe Sampled: 06/09/03 16:40 Received: 06/10/03 15:00									
PCB-1016	ND	0.500	ug/Wipe	1	3060335	06/16/03	06/17/03	EPA 8082	
PCB-1221	ND	0.500	"	"	"	"	"	"	
PCB-1232	ND	0.500	"	"	"	"	"	"	
-1242	ND	0.500	"	"	"	"	"	"	
PCB-1248	**6.76**	5.00	"	10	"	"	06/17/03	"	
PCB-1254	ND	0.500	"	1	"	"	06/17/03	"	
PCB-1260	ND	0.500	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*107 %*	*10-116*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*94.4 %*	*10-209*		"	"	"	"	
WP-406 (B306198-03) Wipe Sampled: 06/09/03 16:40 Received: 06/10/03 15:00									
PCB-1016	ND	0.500	ug/Wipe	1	3060335	06/16/03	06/16/03	EPA 8082	
PCB-1221	ND	0.500	"	"	"	"	"	"	
PCB-1232	ND	0.500	"	"	"	"	"	"	
PCB-1242	ND	0.500	"	"	"	"	"	"	
PCB-1248	**18.0**	5.00	"	10	"	"	06/17/03	"	
PCB-1254	ND	0.500	"	1	"	"	06/16/03	"	
PCB-1260	ND	0.500	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*91.2 %*	*10-116*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*49.6 %*	*10-209*		"	"	"	"	

Great Lakes Analytical--Buffalo Grove

Andy Johnson

Andy Johnson, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 06/19/03 11:23

Polychlorinated Biphenyls by EPA Method 8082 - Quality Control

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3060335 - EPA 3550B										
Blank (3060335-BLK1)				Prepared & Analyzed: 06/16/03						
PCB-1016	ND	0.500	ug/Wipe							
PCB-1221	ND	0.500	"							
PCB-1232	ND	0.500	"							
PCB-1242	ND	0.500	"							
PCB-1248	ND	0.500	"							
PCB-1254	ND	0.500	"							
PCB-1260	ND	0.500	"							
Surrogate: Tetrachloro-meta-xylene	*0.529*		"	*1.00*		*52.9*	*10-116*			
Surrogate: Decachlorobiphenyl	*0.560*		"	*1.00*		*56.0*	*10-209*			
LCS (3060335-BS1)				Prepared & Analyzed: 06/16/03						
PCB-1016	2.90	0.500	ug/Wipe	10.0		29.0	21.2-107			
PCB-1260	3.15	0.500	"	10.0		31.5	24.8-128			
Surrogate: Tetrachloro-meta-xylene	*0.639*		"	*1.00*		*63.9*	*10-116*			
Surrogate: Decachlorobiphenyl	*0.681*		"	*1.00*		*68.1*	*10-209*			
LCS Dup (3060335-BSD1)				Prepared & Analyzed: 06/16/03						
PCB-1016	3.20	0.500	ug/Wipe	10.0		32.0	21.2-107	9.84	54.4	
PCB-1260	3.34	0.500	"	10.0		33.4	24.8-128	5.86	44.4	
Surrogate: Tetrachloro-meta-xylene	*1.19*		"	*1.00*		*119*	*10-116*			H
Surrogate: Decachlorobiphenyl	*1.06*		"	*1.00*		*106*	*10-209*			

Great Lakes Analytical--Buffalo Grove

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Andy Johnson

Andy Johnson, Project Manager

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 06/19/03 11:23

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
L	This quality control measurement is below the laboratory established limit.
H	This quality control measurement is above the laboratory established limit.

Great Lakes Analytical--Buffalo Grove Wisconsin DNR Certification Lab ID: 999917160

Great Lakes Analytical--Buffalo Grove NELAP Primary Accreditation: Illinois #100261

Great Lakes Analytical--Buffalo Grove NELAP Secondary Accreditation: New Jersey #IL001

Great Lakes Analytical--Oak Creek, WI Wisconsin DNR Certification Lab ID: 341000330

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Andy Johnson

Andy Johnson, Project Manager

1800 Carillon Blvd
Cincinnati, OH 45240
(513) 825-7500

Environmental Quality Management, Inc.
Chain of Custody Record

(130)

COC Tracking EQ-11751

Project No.	Project Name
3141-117	OMC Waukegan

Samplers/Affiliation: (Print Name and Sign) Ken Brown for EQM — Kenneth L. Brown

Lab P.O. No:

Sample ID:	Date	Time	Description/Matrix:	Sample Volume / Comments	No. of Containers	PCBs (8082)											
WP-404	6/9/03	1640	WIPE		1	X		B306198-01									
WP-405	6/9/03	1640	WIPE		1	X							02				
WP-406	6/9/03	1640	WIPE		1	X							03				

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	6/10/03	1500	Laura Treadwell	6/10/03	15:00
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
			[signature]	6-11-03	1526
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Ship To: JACKIE DOAN - EQM
1800 CARILLON BLVD.
CINCINATTI, OH 45240
FAX RESULTS TO: (513) 825-7495
AND (847) 782-0658

Airbill Number

Reporting/QA Requirements:	Turn Around Time (EXACT DUE DATE): 6/17/03	Report To:	Chain of Custody Seal Numbers

Distribution: White - Accompanies Shipment Pink - Project Files Yellow - Laboratory File

06/19/03 10:44 FAX 847 808 7772 GREAT LAKES CHEMICAL

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

23 June 2003

Jackie Doan
EQM
1800 Carillon Blvd.
Cincinnati, OH 45240
RE: OMC - Waukegan

Enclosed are the results of analyses for samples received by the laboratory on 06/18/03. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Great Lakes Analytical

Andy Johnson

Andy Johnson
Project Manager

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 06/23/03 17:04

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Belle Influent	B306335-01	Water	06/18/03 11:45	06/18/03 12:00
Belle Effluent	B306335-02	Water	06/18/03 11:45	06/18/03 12:00

Great Lakes Analytical--Buffalo Grove

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Andy Johnson

Andy Johnson, Project Manager

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

EQM	Project: OMC - Waukegan	
1800 Carillon Blvd.	Project Number: 3141-117	**Reported:**
Cincinnati, OH 45240	Project Manager: Jackie Doan	06/23/03 17:04

General Chemistry

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Belle Influent (B306335-01) Water Sampled: 06/18/03 11:45 Received: 06/18/03 12:00									
Oil & Grease	92.2	5.00	mg/l	1	3060448	06/19/03	06/23/03	EPA 413.1	
Belle Effluent (B306335-02) Water Sampled: 06/18/03 11:45 Received: 06/18/03 12:00									
Oil & Grease	40.1	5.00	mg/l	1	3060448	06/19/03	06/23/03	EPA 413.1	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Andy Johnson

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

EQM	Project: OMC - Waukegan	
1800 Carillon Blvd.	Project Number: 3141-117	**Reported:**
Cincinnati, OH 45240	Project Manager: Jackie Doan	06/23/03 17:04

Total Metals by EPA 6000/7000 Series Methods

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Belle Influent (B306335-01) Water Sampled: 06/18/03 11:45 Received: 06/18/03 12:00									
Mercury	ND	0.000200	mg/l	1	3060508	06/23/03	06/23/03	EPA 7470A	
Arsenic	ND	0.0500	"	"	3060511	06/23/03	06/23/03	EPA 6010B	
Barium	ND	0.500	"	"	"	"	"	"	
Cadmium	ND	0.00500	"	"	"	"	"	"	
Chromium	**0.0130**	0.0100	"	"	"	"	"	"	
Selenium	ND	0.0500	"	"	"	"	"	"	
Silver	ND	0.0500	"	"	"	"	"	"	
Lead	**0.0317**	0.00500	"	"	"	"	06/23/03	EPA 7421	
Belle Effluent (B306335-02) Water Sampled: 06/18/03 11:45 Received: 06/18/03 12:00									
Mercury	ND	0.000200	mg/l	1	3060508	06/23/03	06/23/03	EPA 7470A	
Arsenic	ND	0.0500	"	"	3060511	06/23/03	06/23/03	EPA 6010B	
Barium	ND	0.500	"	"	"	"	"	"	
Cadmium	ND	0.00500	"	"	"	"	"	"	
Chromium	**0.0236**	0.0100	"	"	"	"	"	"	
Selenium	ND	0.0500	"	"	"	"	"	"	
Silver	ND	0.0500	"	"	"	"	"	"	
Lead	**0.0230**	0.00500	"	"	"	"	06/23/03	EPA 7421	

Great Lakes Analytical--Buffalo Grove

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Andy Johnson

Project Manager

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

EQM	Project: OMC - Waukegan	
1800 Carillon Blvd.	Project Number: 3141-117	Reported:
Cincinnati, OH 45240	Project Manager: Jackie Doan	06/23/03 17:04

Volatile Organic Compounds by EPA Method 8260B

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Belle Influent (B306335-01) Water Sampled: 06/18/03 11:45 Received: 06/18/03 12:00									**QC**
Acetone	**210**	10.0	ug/l	1	3060476	06/20/03	06/23/03	5030B/8260B	A, B
Benzene	ND	2.00	"	"	"	"	"	"	
Bromodichloromethane	**3.57**	2.00	"	"	"	"	"	"	
Bromoform	ND	2.00	"	"	"	"	"	"	
Bromomethane	ND	2.00	"	"	"	"	"	"	
2-Butanone	ND	10.0	"	"	"	"	"	"	
Carbon disulfide	ND	2.00	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.00	"	"	"	"	"	"	
Chlorobenzene	ND	2.00	"	"	"	"	"	"	
Chlorodibromomethane	ND	2.00	"	"	"	"	"	"	
Chloroethane	ND	2.00	"	"	"	"	"	"	
Chloroform	**8.05**	2.00	"	"	"	"	"	"	
Chloromethane	ND	2.00	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.00	"	"	"	"	"	"	
,2-Dichloroethane	ND	2.00	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.00	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.00	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.00	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.00	"	"	"	"	"	"	
1,3-Dichloropropene (cis + trans)	ND	2.00	"	"	"	"	"	"	
Ethylbenzene	ND	2.00	"	"	"	"	"	"	
2-Hexanone	ND	10.0	"	"	"	"	"	"	
Methylene chloride	ND	2.00	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	10.0	"	"	"	"	"	"	
Styrene	ND	2.00	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.00	"	"	"	"	"	"	
Tetrachloroethene	ND	2.00	"	"	"	"	"	"	
Toluene	ND	2.00	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.00	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.00	"	"	"	"	"	"	
Trichloroethene	ND	2.00	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.00	"	"	"	"	"	"	
Vinyl acetate	ND	2.00	"	"	"	"	"	"	
Vinyl chloride	ND	2.00	"	"	"	"	"	"	
Total Xylenes	ND	4.00	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*93.2 %*	*75.8-127*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*93.6 %*	*62.5-145*		"	"	"	"	
Surrogate: Toluene-d8		*103 %*	*76.6-130*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*103 %*	*68.9-123*		"	"	"	"	

Great Lakes Analytical--Buffalo Grove

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Andy Johnson

Andy Johnson, Project Manager

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

EQM	Project: OMC - Waukegan	
1800 Carillon Blvd.	Project Number: 3141-117	**Reported:**
Cincinnati, OH 45240	Project Manager: Jackie Doan	06/23/03 17:04

Volatile Organic Compounds by EPA Method 8260B

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Belle Effluent (B306335-02) Water . Sampled: 06/18/03 11:45 Received: 06/18/03 12:00									**QC**
Acetone	**140**	10.0	ug/l	1	3060476	06/20/03	06/23/03	5030B/8260B	A, B
Benzene	ND	2.00	"	"	"	"	"	"	
Bromodichloromethane	ND	2.00	"	"	"	"	"	"	
Bromoform	ND	2.00	"	"	"	"	"	"	
Bromomethane	ND	2.00	"	"	"	"	"	"	
2-Butanone	ND	10.0	"	"	"	"	"	"	
Carbon disulfide	ND	2.00	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.00	"	"	"	"	"	"	
Chlorobenzene	ND	2.00	"	"	"	"	"	"	
Chlorodibromomethane	ND	2.00	"	"	"	"	"	"	
Chloroethane	ND	2.00	"	"	"	"	"	"	
Chloroform	ND	2.00	"	"	"	"	"	"	
Chloromethane	ND	2.00	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.00	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.00	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.00	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.00	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.00	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.00	"	"	"	"	"	"	
1,3-Dichloropropene (cis + trans)	ND	2.00	"	"	"	"	"	"	
Ethylbenzene	ND	2.00	"	"	"	"	"	"	
2-Hexanone	ND	10.0	"	"	"	"	"	"	
Methylene chloride	ND	2.00	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	10.0	"	"	"	"	"	"	
Styrene	ND	2.00	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.00	"	"	"	"	"	"	
Tetrachloroethene	ND	2.00	"	"	"	"	"	"	
Toluene	ND	2.00	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.00	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.00	"	"	"	"	"	"	
Trichloroethene	ND	2.00	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.00	"	"	"	"	"	"	
Vinyl acetate	ND	2.00	"	"	"	"	"	"	
Vinyl chloride	ND	2.00	"	"	"	"	"	"	
Total Xylenes	ND	4.00	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*93.8 %*	*75.8-127*	"	"	"	"		
Surrogate: 1,2-Dichloroethane-d4		*93.4 %*	*62.5-145*	"	"	"	"		
Surrogate: Toluene-d8		*104 %*	*76.6-130*	"	"	"	"		
Surrogate: 4-Bromofluorobenzene		*104 %*	*68.9-123*	"	"	"	"		

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

EQM	Project: OMC - Waukegan	
1800 Carillon Blvd.	Project Number: 3141-117	Reported:
Cincinnati, OH 45240	Project Manager: Jackie Doan	06/23/03 17:04

Notes and Definitions

A	The concentration of the analyte detected in the sample is characteristic of a laboratory artifact.
B	The method blank associated with this sample contains 29.0 ug/L of this analyte.
QC	The result for one or more quality control measurements associated with this sample did not meet the laboratory and/or source method acceptance criteria.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Great Lakes Analytical--Buffalo Grove Wisconsin DNR Certification Lab ID: 999917160

Great Lakes Analytical--Buffalo Grove NELAP Primary Accreditation: Illinois #100261

Great Lakes Analytical--Buffalo Grove NELAP Secondary Accreditation: New Jersey #IL001

Great Lakes Analytical--Oak Creek, WI Wisconsin DNR Certification Lab ID: 341000330

1800 C Blvd
Cincinn. H 45240
(513) 825-7500

Environmental Quality Management, Inc.
Chain of Custody Record

COC Tracking: E 11197

Project No.: 3141-117

Project Name: OMC Waukegan

Samplers/Affiliation: (Print Name and Sign) Ken Brown for EQM Ken Brown

Lab P.O. No:

Sample ID:	Date	Time	Description/Matrix:	Sample Volume / Comments	No. of Containers	SVOCs 8270	VOCs (8260)	O+G	PCBs 8082	METALS							
BELLE INFLUENT	6/18/03	1145	WATER		8	X	X	X	X	X		B3061335-01					
BELLE EFFLUENT	6/18/03	1145	WATER		8	X	X	X	X	X						02	

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Kenneth Brown	6/18/03	1200	[illegible]	6/18/03	[illegible]
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
			[illegible]	6/19/03	610
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Ship To: JACKIE DOAN EQM
1800 CAMILLON BLVD
CINCINNATI, OH 45240
FAX 513-825-7485
AND 847-782-0658

Airbill Number

Reporting/QA Requirements:

Turn Around Time (EXACT DUE DATE): 6/23/03 3-DAY RUSH

Report To:

Chain of Custody Seal Numbers

Distribution: White - Accompanies Shipment Pink - Project Files Yellow - Laboratory File

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

25 June 2003

Jackie Doan
EQM
1800 Carillon Blvd.
Cincinnati, OH 45240
RE: OMC - Waukegan

Enclosed are the results of analyses for samples received by the laboratory on 06/16/03. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Great Lakes Analytical

Andy Johnson

Andy Johnson
Project Manager

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-77[illegible]

EQM	Project: OMC - Waukegan	
1800 Carillon Blvd.	Project Number: 3141-117	**Reported:**
Cincinnati, OH 45240	Project Manager: Jackie Doan	06/25/03 08:03

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
V4 Greenlee Oil	B306279-01	OIL	06/02/03 11:00	06/16/03 16:44

Great Lakes Analytical--Buffalo Grove

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Andy Johnson

Andy Johnson, Project Manager

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

EQM	Project: OMC - Waukegan	
1800 Carillon Blvd.	Project Number: 3141-117	**Reported:**
Cincinnati, OH 45240	Project Manager: Jackie Doan	06/25/03 08:03

General Chemistry

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
V4 Greenlee Oil (B306279-01) OIL Sampled: 06/02/03 11:00 Received: 06/16/03 16:44									
TX (Total Halides)	**13200**	50.0	mg/kg	1	3060522	06/23/03	06/24/03	EPA 9020B	E

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

EQM	Project: OMC - Waukegan	
1800 Carillon Blvd.	Project Number: 3141-117	**Reported:**
Cincinnati, OH 45240	Project Manager: Jackie Doan	06/25/03 08:03

General Chemistry - Quality Control
Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3060522 - General Prep WC										
Blank (3060522-BLK1)				Prepared: 06/23/03	Analyzed: 06/24/03					
TX (Total Halides)	ND	50.0	mg/kg							
LCS (3060522-BS1)				Prepared: 06/23/03	Analyzed: 06/24/03					
TX (Total Halides)	985	50.0	mg/kg	1000		98.5	86.1-114			
Duplicate (3060522-DUP1)		**Source: B306349-02**		Prepared: 06/23/03	Analyzed: 06/24/03					
TX (Total Halides)	ND	50.0	mg/kg		28.1			5.11	66.4	

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

SAMPLE RELOG FORM

Client: EQM

Address: 1800 Carillon Blvd.
Cincinnati, OH 45240

Report To: Jackie Doan

Requested By: Ken Brown

Project Name/#: OMC-Waukegan/3141-117

TAT: (5 Day) 4 Day 3 Day 2Day 1 Day

Date Results Needed: 6·23·03

Client Sample ID	Sample Date	Analyses	Old Laboratory #	New Laboratory #
V4 Greenlee Oil	6·2·03	TX	B306055-01	B306279-01

Authorization of Relog: _____ 6·17·03
Signature Date

Comments: _____

*** Please attach original Chain of Custody with form. ***

16[illegible]arillon Blvd
C[illegible]b, OH 45240
(513) 825-7500

Environmental Quality Management, Inc.
Chain of Custody Record

PLEASE PERFORM ADDITIONAL ANALYSIS FOR THIS SAMPLE KMB

COC Tracking [illegible]11750

Project No	Project Name
3141-117	OMC Waukegan

Samplers/Affiliation: (Print Name and Sign) Ken Brown for EQM [signature]

Lab P.O. No

Sample ID	Date	Time	Description/Matrix	Sample Volume / Comments	No. of Containers	PCBs (8032)	TOX
V4 GREENLEE OIL	6/2/03	1100	OIL	B306055-01	1	X	X
V4 GREENLEE SLUDGE	6/2/03	1120	SLUDGE	02	1	X	
HYDROMATION SLUDGE	6/2/03	11:30	SLUDGE	03	1	X	
CROSS TRANSFER SLUDGE	6/2/03	1200	SLUDGE	04	1	X	
NEW DIE CAST TANK OIL	6/2/03	1330	OIL	05	1	X	

Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time
[signature]	6/3/03	10:20	[signature]	6/3	10:20
[signature]	6/3	1450	[signature]	6403	640

Ship To: JACKIE DORN - EQM
1800 CARILLON BLVD.
CINCINNATI, OH 45240
FAX RESULTS TO: (513) 825-7495
AND (877) 782-0658

Airbill Number

Reporting/OA Requirements	Turn Around Time (EXACT DUE DATE)	Report To	Chain of Custody Seal Numbers
	6/10/03		

4°C

Distribution White - Accompanies Shipment Pink - Project Files Yellow - Laboratory File

06-16-2003 16:44 From- T-642 P 002/002 F-359
06/25/03 07:15 FAX 847 [illegible]

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 06/25/03 08:03

Notes and Definitions

E	This result is estimated. The analysis gave a final result that is above the calibration range.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
L	This quality control measurement is below the laboratory established limit.
H	This quality control measurement is above the laboratory established limit.

Great Lakes Analytical--Buffalo Grove Wisconsin DNR Certification Lab ID: 999917160

Great Lakes Analytical--Buffalo Grove NELAP Primary Accreditation: Illinois #100261

Great Lakes Analytical--Buffalo Grove NELAP Secondary Accreditation: New Jersey #IL001

eat Lakes Analytical--Oak Creek, WI Wisconsin DNR Certification Lab ID: 341000330

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

US EPA REGION 5

Outboard Marine Corporation Site

Environmental Quality Management
Phone: (847) 782-0608
Fax: (847) 782-0658

US EPA - START
Phone: (847) 782-0652
Fax: (847) 782-0658

TO: Andy Johnson

FAX NO. 847-808-7772

FROM: Ken Brown

MESSAGE: Please perform additional analysis.

FOR INTERNAL USE ONLY:
☐ Normal Profile ☐ X-Profile
☐ One Time Waste ☐ Repeat Waste
X-Profiles only to 617-380-3581

CleanHarbors®

WASTE MATERIAL PROFILE SHEET

Profile Number CH

A. GENERAL INFORMATION

GENERATOR EPA ID # ILD 000802827
GENERATOR CODE (Assigned by Clean Harbors) _____
GENERATOR NAME: USEPA/Outboard Marine Corp
ADDRESS 90 Seahorse Dr.
CITY Waukegan STATE IL ZIP 60085
GENERATOR TECHNICAL CONTACT: Mark Douglas
PHONE: 708-333-8507
CUSTOMER CODE (Assigned by Clean Harbors) _____
CUSTOMER NAME: Environmental Quality Mgmt
ADDRESS 1800 Carillon Blvd
CITY Cincinnati STATE OH ZIP 45240

B. WASTE DESCRIPTION

Common Name of Waste: PCB Sludge
Process Generating Waste: CERCLA site Clean Up

Process Generating Waste:
(check one) If spill, origin of spilled material

- ☐ Unused chemical or product
- ☐ Lab Pack
- ☐ Spent halogenated solvents
- ☐ Spent non-halogenated solvents
- ☐ Wastewater treatment sludge from electroplating or etching operations
- ☐ Spent plating bath solutions or residues of plating, stripping and cleaning baths where cyanides are used in the process
- ☐ Wood preservation
- ☐ Inorganic pigment production
- ☐ Organic chemical production
- ☐ Inorganic chemical production
- ☐ Pesticide production
- ☐ Explosives production
- ☐ Petroleum refining
- ☐ Iron or steel production or finishing
- ☐ Primary copper production
- ☐ Primary lead production
- ☐ Primary zinc production
- ☐ Primary Aluminum production
- ☐ Ferro alloy production
- ☐ Secondary lead smelting
- ☐ Veterinary pharmaceutical production
- ☐ Ink formulation
- ☐ Coking
- ☐ Other _____
- ☐ Unknown

Source of Waste:
(check one)

- ☐ Unused Product or Chemical
- ☐ Waste by-product from process
- ☐ Spill clean up
- ☐ Lab Pack
- ☒ Planned site remediation
- ☐ Other: _____

Other Process Information:
(check all that apply)

- ☐ Still bottoms
- ☐ Process scrap
- ☐ Process development
- ☐ Out of date product
- ☐ Spent solvent waste
- ☐ Treatment residues
- ☐ Filter cake
- ☐ Degreasing
- ☐ Exempt recyclable material
- ☐ Packaged consumer goods
- ☐ Off-spec chemical product
- ☐ Zinc, Al, or tin plating
- ☐ Anodizing
- ☐ Cleaning/stripping
- ☐ Wastewater treatment sludges
- ☐ Washwaters
- ☐ Pot liners

Other Process Information:
(check all that apply)

- ☐ Electroplating
- ☐ Conversion coating
- ☐ Carbon steel plating
- ☐ Printed circuit mfg.
- ☐ Cyanide process
- ☐ Heat treating
- ☐ Separator sludge
- ☐ Oven residue
- ☐ Catalyst waste
- ☐ Centrifuged solids
- ☐ Condensate
- ☐ Air, steam, or vacuum stripping
- ☐ Emission control dust
- ☐ Acid leaching
- ☐ Dipping operations
- ☐ Chemical manufacturing
- ☐ Carbon adsorption
- ☐ Incineration or thermal treatment
- ☐ Refining
- ☐ Drug mfg.
- ☐ Distillation
- ☐ Pesticide mfg.
- ☐ Reclamation
- ☐ Etching of metals
- ☐ Bag house dust

Profile Number CH

C. PHYSICAL PROPERTIES (at 25°C or 77°F)

PHYSICAL STATE
- ☐ SOLID WITHOUT FREE LIQUID
- ☐ POWDER
- ☐ MONOLITHIC SOLID
- ☐ LIQUID WITH NO SOLIDS
- ☒ LIQUID/SOLID MIXTURE
  - % FREE LIQUID <1
  - % SETTLED SOLID 99
  - % TOTAL SUSPENDED SOLID _____
- ☐ GAS/AEROSOL

NUMBER OF PHASES/LAYERS
☒ 1 ☐ 2 ☐ 3
% BY VOLUME (APPROX.)
TOP _____ MIDDLE _____ BOTTOM _____

VISCOSITY (if liquid present)
- ☐ LOW (e.g. WATER)
- ☐ MEDIUM (e.g. MOTOR OIL)
- ☒ HIGH (e.g. MOLASSES)

COLOR Black

ODOR
- ☐ NONE OR MILD
- ☒ STRONG

BOILING POINT (if liquid)
- ☐ ≤ 100°F
- ☐ > 100°F

MELTING POINT (for solids only)
- ☐ < 140°F
- ☐ 140-200°F
- ☐ > 200°F

FLASH POINT
- ☐ [illegible]°F
- ☐ 73-100°F
- ☐ 101-140°F
- ☐ 141-200°F
- ☒ > 200°F

pH
- ☐ ≤ 2
- ☐ 2.1 - 6.9
- ☒ 7 (neutral)
- ☐ 7.1 - 12.4
- ☐ ≥ 12.5

SPECIFIC GRAVITY
- ☐ < 0.8 (e.g. Gasoline)
- ☐ 0.8-1.0 (e.g. Ethanol)
- ☐ 1.0 (e.g. Water)
- ☐ 1.0-1.2 (e.g. Antifreeze)
- ☒ > 1.2 (e.g. Methylene Chloride)

TOTAL ORGANIC CARBON (if liquid)
- ☐ ≤ 1%
- ☐ 1-9%
- ☐ ≥ 10%

BTU/LB
- ☒ < 2,000
- ☐ 2,000-5,000
- ☐ 5,000-10,000
- ☐ > 10,000

VAPOR PRESSURE (for liquids only) _____ mm Hg

CLEAN HARBORS COPY

CleanHarbors®

Profile Number CH

D. COMPOSITION (Must add up to at least 100%. Include inert materials and/or debris if applicable. Actual percent or range is acceptable.)

PCB		–	100 %			–	%
		–	%			–	%
		–	%			–	%
		–	%			–	%
		–	%			–	%

☐ Check if MSDS attached.

E. CONSTITUENTS — Attach any available analysis. Enter values or ranges where known. For TCLP values, BRL signifies below regulatory level. None, unknown, and present are also acceptable answers.

Are these values based on ☒ Knowledge or ☐ Testing?

INORGANIC

RCRA	REGULATED METALS	REGULATORY LEVEL (mg/l)	TCLP mg/l	TOTAL mg/l
D004	ARSENIC	5.0		None
D005	BARIUM	100.0		
D006	CADMIUM	1.0		
D007	CHROMIUM	5.0		
D007	CHROMIUM CR+6			
D008	LEAD	5.0		
D009	MERCURY	0.2		
D010	SELENIUM	1.0		
D011	SILVER	5.0		

OTHER METALS	TOTAL
ALUMINUM	None
ANTIMONY	
BERYLLIUM	
CALCIUM	
COPPER	
MAGNESIUM	
MOLYBDENUM	
NICKEL	
POTASSIUM	
SILICON	
SODIUM	
THALLIUM	
TIN	
VANADIUM	
ZINC	

NON-METALS	WT%
SULFUR	None
BROMINE	
CHLORINE	
FLUORINE	
IODINE	
	PPM
AMMONIA	None
REACTIVE SULFIDE	
CYANIDE-TOTAL	
CYANIDE AMENABLE	
CYANIDE REACTIVE	

ORGANIC

VOLATILE COMPOUNDS		REGULATORY LEVEL (mg/l)	TCLP mg/l	TOTAL mg/l
D018	BENZENE	0.5		None
D019	CARBON TETRACHLORIDE	0.5		
D021	CHLOROBENZENE	100.0		
D022	CHLOROFORM	6.0		
D028	1,2-DICHLOROETHANE	0.5		
D029	1,1-DICHLOROETHYLENE	0.7		
D035	METHYL ETHYL KETONE	200.0		
D039	TETRACHLOROETHYLENE	0.7		
D040	TRICHLOROETHYLENE	0.5		
D043	VINYL CHLORIDE	0.2		

SEMI-VOLATILE COMPOUNDS		REGULATORY LEVEL (mg/l)	TCLP	TOTAL
D023	o-CRESOL	200.0		None
D024	m-CRESOL	200.0		
D025	p-CRESOL	200.0		
D026	CRESOL (TOTAL)	200.0		
D027	1,4-DICHLOROBENZENE	7.5		
D030	2,4-DINITROTOLUENE	0.13		
D032	HEXACHLOROBENZENE	0.13		
D033	HEXACHLOROBUTADIENE	0.5		
D034	HEXACHLOROETHANE	3.0		
D036	NITROBENZENE	2.0		
D037	PENTACHLOROPHENOL	100.0		
D038	PYRIDINE	5.0		
D041	2,4,5-TRICHLOROPHENOL	400.0		
D042	2,4,6-TRICHLOROPHENOL	2.0		

PESTICIDES AND HERBICIDES		REGULATORY LEVEL (mg/l)	TCLP mg/l	TOTAL mg/l
D012	ENDRIN	0.02		None
D013	LINDANE	0.4		
D014	METHOXYCHLOR	10.0		
D015	TOXAPHENE	0.5		
D016	2,4-D	10.0		
D017	2,4,5-TP (SILVEX)	1.0		
D020	CHLORDANE	0.03		
D031	HEPTACHLOR (AND ITS EPOXIDE)	0.008		

OTHER

PHENOL _____ PPM

TOTAL PETROLEUM HYDROCARBONS (SOILS ONLY) _____ PPM

PCB'S
☐ NONE
☐ < 50 PPM
☒ ≥ 50 PPM

IF PCB'S ARE PRESENT <50 PPM, IS THE WASTE REGULATED BY TSCA 40 CFR 761?
☐ YES ☐ NO

HOC'S
☐ NONE
☒ < 1000 PPM
☐ ≥ 1000 PPM

OTHER HAZARDS	YES		YES		YES		YES
WATER REACTIVE	☐	PESTICIDE	☐	SHOCK SENSITIVE	☐	DEA REGULATED SUBSTANCE	
RADIOACTIVE	☐	HERBICIDE	☐	THERMALLY SENSITIVE	☐	OXIDIZER	
DIOXIN	☐	EXPLOSIVE	☐	INFECTIOUS, PATHOGENIC, OR ETIOLOGICAL AGENT	☐	REDUCING AGENT	☐
OSHA REGULATED CARCINOGENS	☐	SPONTANEOUSLY IGNITES WITH AIR	☐	ASBESTOS	☐	NONE OF THE ABOVE	☒

DOES THIS WASTE HAVE ANY UNDISCLOSED HAZARDS OR PRIOR INCIDENTS ASSOCIATED WITH IT, WHICH COULD AFFECT THE WAY IT SHOULD BE HANDLED? YES ☐ NO ☒ (If yes, explain)

CLEAN HARBORS COPY

CleanHarbors

Profile Number CH

F REGULATORY STATUS

Y N

☐ ☒ USEPA HAZARDOUS WASTE? (IF Yes List codes.) ____

☐ ☒ DO ANY GENERATOR STATE WASTE CODES APPLY? IF YES, LIST STATE CODES ____

LIST ANY FEDERAL OR STATE WASTE CODES WHICH MAY VARY FROM SHIPMENT TO SHIPMENT: ____

WILL THE DECISION TO VARY THESE WASTE CODES BE BASED ON ☐ KNOWLEDGE OR ☐ TESTING (check one).
IF KNOWLEDGE, DESCRIBE BASIS OF KNOWLEDGE: ____

☒ ☐ IS THIS WASTE PROHIBITED FROM LAND DISPOSAL WITHOUT FURTHER TREATMENT PER 40 CFR PART 268?
THIS WASTE IS A: ☐ WASTEWATER ☒ NON WASTEWATER PER USEPA DEFINITION IN 40 CFR 268.2.

☐ ☒ IF ANY WASTE CODES D001, D002, D003 (OTHER THAN REACTIVE CYANIDE OR REACTIVE SULFIDE), D004-D011, D012-D017 NON-WASTEWATERS, OR D018-D043 APPLY, ARE THERE ANY UNDERLYING HAZARDOUS CONSTITUENTS (UHC'S) PRESENT ABOVE UNIVERSAL TREATMENT STANDARDS (UTS)?

☐ ☒ DOES TREATMENT OF THIS WASTE GENERATE A F006 OR F019 SLUDGE?

☐ ☒ IS THIS WASTE SUBJECT TO CATEGORICAL PRETREATMENT DISCHARGE STANDARDS?
IF YES, SPECIFY POINT SOURCE CATEGORY LISTED IN 40 CFR PART 401. ____

☐ ☒ IS THIS WASTE REGULATED UNDER THE BENZENE NESHAP RULES? (IS THIS WASTE FROM A CHEMICAL MANUFACTURING, COKE BY-PRODUCT RECOVERY, OR PETROLEUM REFINERY PROCESS?)

☐ ☒ DOES THIS WASTE CONTAIN VOC'S IN CONCENTRATIONS ≥ 500 PPM?

☐ ☒ DOES THIS WASTE CONTAIN GREATER THAN 20% OF ORGANIC CONSTITUENTS WITH A VAPOR PRESSURE ≥ .3KPA (.044 psia)?

☐ ☒ DOES THIS WASTE CONTAIN AN ORGANIC CONSTITUENT WHICH IN ITS PURE FORM HAS A VAPOR PRESSURE GREATER THAN 77 KPa (11.2psia)?

G. D.O.T. INFORMATION: List all shipping names that may be used. Attach additional page if necessary.

D.O.T. SHIPPING NAME Waste Polychlorinated biphenyl, DOT HAZARD CLASS: 9

UN/NA # 2315 PACKING GROUP (Circle 1) I (II) III HAZARD ZONE (Circle 1) A B C D

WILL THIS SHIPPING NAME VARY? ☐ Y ☐ N IF YES, WILL ASSIGNMENT OF PROPER SHIPPING NAME BE BASED ON ☐ KNOWLEDGE OR ☐ TESTING? (check one) IF KNOWLEDGE, DESCRIBE BASIS OF KNOWLEDGE: ____

H. TRANSPORTATION REQUIREMENTS

ESTIMATED SHIPMENT FREQUENCY: ☒ ONE TIME ☐ WEEKLY ☐ SEMI-MONTHLY ☐ MONTHLY ☐ QUARTERLY ☐ OTHER ____

☐ BULK LIQUID
GALLONS/SHIPMENT: ____ GAL.
____ FROM TANKS: TANK SIZE ____ GAL.
____ FROM DRUMS
VEHICLE TYPE:
____ VAC TRUCK
____ TANK TRUCK
____ RAILROAD TANK CAR
CHECK COMPATIBLE STORAGE MATERIALS:
____ STEEL ____ STAINLESS STEEL (316)
____ RUBBER LINED ____ FIBERGLASS LINED
____ OTHER ____

☐ BULK SOLD
____ TON/YD PER SHIPMENT
STORAGE CAPACITY ____ TON/YD
VEHICLE TYPE:
____ DUMP TRAILER
____ ROLL OFF BOX
____ INTERMODAL ROLLOFF BOX
____ CUSCO/VACTOR
____ OTHER ____

☒ CONTAINERIZED
3 CONTAINERS/SHIPMENT
STORAGE CAPACITY: 3 CONTAINERS
CONTAINER TYPE:
____ CUBIC YARD BOX
____ PALLET
____ TOTE TANK
X DRUM SIZE: 55
CONTAINER MATERIAL:
X STEEL
____ FIBER
____ PLASTIC
____ OTHER ____

I. SAMPLE STATUS

REPRESENTATIVE SAMPLE HAS BEEN SUPPLIED. ☐ YES ☐ NO SAMPLED BY ____ DATE SAMPLED ____

J. SPECIFIC DISPOSAL RESTRICTIONS OR REQUESTS: ____

SPECIAL WASTE HANDLING REQUIREMENTS: ____

OTHER COMMENTS OR REQUESTS: ____

K. BIENNIAL/ANNUAL REPORTING INFORMATION.

SIC CODE ____ SOURCE CODE ____ FORM CODE ____ ORIGIN CODE ____

GENERATOR'S CERTIFICATION

I hereby certify that all information submitted in this and attached documents is correct to the best of my knowledge. I also certify that any samples submitted are representative of the actual waste. If Clean Harbors discovers a discrepancy during the approval process, Generator grants Clean Harbors the authority to amend the profile, as Clean Harbors deems necessary, to reflect the discrepancy.

AUTHORIZED SIGNATURE	NAME (PRINT)	TITLE	DATE
Kenneth M Theisen	Kenneth M Theisen	On Scene Coordinator	6-25-03

FOR CLEAN HARBORS USE ONLY

CHI REPRESENTATIVE COMPLETING PROFILE: ____

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

25 June 2003

Jackie Doan
EQM
1800 Carillon Blvd.
Cincinnati, OH 45240
RE: OMC - Waukegan

Enclosed are the results of analyses for samples received by the laboratory on 06/18/03. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Great Lakes Analytical

Andy Johnson

Andy Johnson
Project Manager

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 06/25/03 16:35

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Sludge Rolloff	B306336-01	Waste (S)	06/18/03 09:00	06/18/03 12:00
WP-409	B306336-02	Wipe	06/18/03 11:00	06/18/03 12:00
WP-410	B306336-03	Wipe	06/18/03 11:05	06/18/03 12:00

Great Lakes Analytical--Buffalo Grove

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Andy Johnson

Andy Johnson, Project Manager

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

EQM	Project: OMC - Waukegan	
1800 Carillon Blvd.	Project Number: 3141-117	**Reported:**
Cincinnati, OH 45240	Project Manager: Jackie Doan	06/25/03 16:35

General Chemistry

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sludge Rolloff (B306336-01) Waste (S) Sampled: 06/18/03 09:00 Received: 06/18/03 12:00									
EOX (Extractable Organic Halides)	**2360**	20.0	mg/kg wet	1	3060550	06/24/03	06/24/03	EPA 9020B	
Flashpoint	>220 °F		°F	"	3060447	06/19/03	06/19/03	ASTM D92-85	
Free Liquid	No sample flowed.		N/A	"	3060438	06/19/03	06/19/03	9095A	
pH	**7.50**		pH Units	"	3060562	06/24/03	06/24/03	EPA 9045C	
Phenol	**70.3**	6.30	mg/kg wet	10	3060424	06/19/03	06/20/03	EPA 9066	
Reactive Cyanide	ND	0.130	"	1	3060404	06/18/03	06/19/03	EPA 9014 Ch 7	
Reactive Sulfide	**27.3**	6.50	"	"	3060419	06/18/03	06/19/03	EPA 9034 Ch 7	

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

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1380 Busch Parkway
Buffalo Grove, Illinois 60089

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(847) 808-7766 FAX (847) 808-7772

EQM	Project: OMC - Waukegan	
1800 Carillon Blvd.	Project Number: 3141-117	**Reported:**
Cincinnati, OH 45240	Project Manager: Jackie Doan	06/25/03 16:35

TCLP Metals by EPA 1311/6000/7000 Series Methods

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sludge Rolloff (B306336-01) Waste (S)	**Sampled: 06/18/03 09:00**	**Received: 06/18/03 12:00**							
Mercury	ND	0.000200	mg/l	1	3060548	06/24/03	06/24/03	EPA 7470A	
Arsenic	ND	0.0500	"	"	3060547	06/24/03	06/24/03	EPA 6010B	
Barium	ND	1.00	"	"	"	"	"	"	
Cadmium	**0.0186**	0.00500	"	"	"	"	"	"	
Chromium	ND	0.100	"	"	"	"	"	"	
Selenium	ND	0.0500	"	"	"	"	"	"	
Silver	ND	0.0500	"	"	"	"	"	"	
Lead	**0.00556**	0.00500	"	"	"	"	06/24/03	EPA 7421	

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
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EQM	Project: OMC - Waukegan	
1800 Carillon Blvd.	Project Number: 3141-117	**Reported:**
Cincinnati, OH 45240	Project Manager: Jackie Doan	06/25/03 16:35

TCLP Volatile Organic Compounds by EPA Method 1311/8260B

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sludge Rolloff (B306336-01) Waste (S) Sampled: 06/18/03 09:00 Received: 06/18/03 12:00									
Benzene	ND	0.400	mg/l	20	3060566	06/24/03	06/25/03	EPA 8260B	
Carbon tetrachloride	ND	0.400	"	"	"	"	"	"	
Chlorobenzene	ND	0.400	"	"	"	"	"	"	
Chloroform	ND	0.400	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.400	"	"	"	"	"	"	
1,1-Dichloroethylene	ND	0.400	"	"	"	"	"	"	
Methyl ethyl ketone	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	0.400	"	"	"	"	"	"	
Trichloroethylene	ND	0.400	"	"	"	"	"	"	
Vinyl chloride	ND	0.160	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*109 %*	*74.5-129*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*69.2-137*		"	"	"	"	
Surrogate: Toluene-d8		*104 %*	*75.5-130*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*88.8 %*	*64.9-123*		"	"	"	"	

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

GREAT LAKES ANALYTICAL

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Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

EQM	Project: OMC - Waukegan	
1800 Carillon Blvd.	Project Number: 3141-117	Reported:
Cincinnati, OH 45240	Project Manager: Jackie Doan	06/25/03 16:35

Polychlorinated Biphenyls by EPA Method 8082

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WP-409 (B306336-02) Wipe Sampled: 06/18/03 11:00 Received: 06/18/03 12:00									
PCB-1016	ND	500	ug/100 cm²	1000	3060466	06/20/03	06/24/03	EPA 8082	
PCB-1221	ND	500	"	"	"	"	"	"	
PCB-1232	ND	500	"	"	"	"	"	"	
PCB-1242	ND	500	"	"	"	"	"	"	
PCB-1248	**2760**	500	"	"	"	"	"	"	
PCB-1254	ND	500	"	"	"	"	"	"	
PCB-1260	**1490**	500	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*78.4 %*	*10-116*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*88.9 %*	*10-209*		"	"	"	"	
WP-410 (B306336-03) Wipe Sampled: 06/18/03 11:05 Received: 06/18/03 12:00									
PCB-1016	ND	50.0	ug/100 cm²	100	3060466	06/20/03	06/24/03	EPA 8082	
PCB-1221	ND	50.0	"	"	"	"	"	"	
PCB-1232	ND	50.0	"	"	"	"	"	"	
PCB-1242	ND	50.0	"	"	"	"	"	"	
PCB-1248	**261**	50.0	"	"	"	"	"	"	
PCB-1254	ND	50.0	"	"	"	"	"	"	
PCB-1260	ND	50.0	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*64.6 %*	*10-116*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*84.6 %*	*10-209*		"	"	"	"	

Great Lakes Analytical–Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 06/25/03 16:35

Notes and Definitions

>220	>220 °F
Pass	No sample flowed.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Great Lakes Analytical--Buffalo Grove Wisconsin DNR Certification Lab ID: 999917160

Great Lakes Analytical--Buffalo Grove NELAP Primary Accreditation: Illinois #100261

Great Lakes Analytical--Buffalo Grove NELAP Secondary Accreditation: New Jersey #IL001

Great Lakes Analytical--Oak Creek, WI Wisconsin DNR Certification Lab ID: 341000330

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Andy Johnson

Andy Johnson, Project Manager

18[illegible] [illegible]arillon Blvd
Cincinnati, OH 45240
(513) 825-7500

Environment [illegible]uality Management, Inc.
Chain of Custody Record

COC Tracking: EQ-1119[illegible]

Project No.	Project Name
3141-117	OMC Waukegan

Samplers/Affiliation: (Print Name and Sign) Ken Brown for EQM [signature]

Lab P.O. No:

Sample ID:	Date	Time	Description/Matrix:	Sample Volume / Comments	No. of Containers	Flash Point	pH	Paint Filter	TCLP Metals	TCLP VOA	TCLP SVOA	TOX	Total Phenyl	Reactive Cyanide	Reactive Sulfide	PCBs (8082)
SLUDGE ROLL OFF	6/18/03	900	SLUDGE	B306336-01	5	X	X	X	X	X	X	X	X	X	X	
WP-409	6/18/03	1100	WIPE (100cm²)	-02	1											X
WP-410	6/18/03	1105	WIPE (100 cm²)	-03	1											X

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	6/18/03	1200	[signature]	6/[illegible]	[illegible]
			[signature]	6.19.03	611

Ship To: JACKIE DOAN EQM
1800 CARILLON BLVD.
CINCINNATI, OH 45240
FAX RESULTS TO (513) 825-7495
AND (847) 782-0658

Airbill Number

Reporting/QA Requirements:

Turn Around Time (EXACT DUE DATE) ☆ MUST HAVE ☆ 6/25/03 ☆

Report To:

Chain of Custody Seal Numbers

ICE/BC

Distribution: White - Accompanies Shipment Pink - Project Files Yellow - Laboratory File

06/25/03 15:43 FAX 847 808 1772 GREAT LAKES ANALYTICAL

GREAT
LAKES
ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

25 June 2003

Jackie Doan
EQM
1800 Carillon Blvd.
Cincinnati, OH 45240
RE: OMC - Waukegan

Enclosed are the results of analyses for samples received by the laboratory on 06/23/03. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Great Lakes Analytical

Andy Johnson

Andy Johnson
Project Manager

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-777?

EQM	Project: OMC - Waukegan	
1800 Carillon Blvd.	Project Number: 3141-117	**Reported:**
Cincinnati, OH 45240	Project Manager: Jackie Doan	06/25/03 17:20

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Machine Oil	B306432-01	OIL	06/23/03 14:00	06/23/03 16:30
Belle Carbon	B306432-02	Waste (S)	06/23/03 14:45	06/23/03 16:30

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

EQM	Project: OMC - Waukegan	
1800 Carillon Blvd.	Project Number: 3141-117	**Reported:**
Cincinnati, OH 45240	Project Manager: Jackie Doan	06/25/03 17:20

General Chemistry

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Machine Oil (B306432-01) OIL Sampled: 06/23/03 14:00 Received: 06/23/03 16:30									
Flashpoint	**146**		°F	1	3060591	06/25/03	06/25/03	ASTM D93-85	
TX (Total Halides)	**1270**	50.0	mg/kg	"	3060522	06/23/03	06/24/03	EPA 9020B	

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

EQM	Project: OMC - Waukegan	
1800 Carillon Blvd.	Project Number: 3141-117	**Reported:**
Cincinnati, OH 45240	Project Manager: Jackie Doan	06/25/03 17:20

Polychlorinated Biphenyls by EPA Method 8082

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Belle Carbon (B306432-02) Waste (S) Sampled: 06/23/03 14:45 Received: 06/23/03 16:30									**A-01**
PCB-1016	ND	35.1	ug/kg wet	1	3060571	06/25/03	06/25/03	EPA 8082	
PCB-1221	ND	35.1	"	"	"	"	"	"	
PCB-1232	ND	35.1	"	"	"	"	"	"	
PCB-1242	ND	35.1	"	"	"	"	"	"	
PCB-1248	ND	35.1	"	"	"	"	"	"	
PCB-1254	ND	35.1	"	"	"	"	"	"	
PCB-1260	ND	35.1	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*6.48 %*		*10-125*	"	"	"	"	L
Surrogate: Decachlorobiphenyl		*%*		*10-143*	"	"	"	"	L

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 06/25/03 17:20

Notes and Definitions

A-01	Final result pending MS/MSD.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Great Lakes Analytical--Buffalo Grove Wisconsin DNR Certification Lab ID: 999917160

Great Lakes Analytical--Buffalo Grove NELAP Primary Accreditation: Illinois #100261

Great Lakes Analytical--Buffalo Grove NELAP Secondary Accreditation: New Jersey #IL001

Great Lakes Analytical--Oak Creek, WI Wisconsin DNR Certification Lab ID: 341000330

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

S-F ANALYTICAL LABORATORIES, INC.

A Subsidiary of Sommer-Frey Laboratories, Inc.

Great Lakes Analytical Laboratories
Attn: Andy Johnson
1380 Busch Parkway
Buffalo Grove, IL 60089

Received Date: 6/24/03
Report Date: 6/24/03
P.O. Number: 1495

- Analytical Results -

Lab #: 03A4171-001 Sample ID: B306432-01

Test	Result	Units	LOD	LOQ	Analysis Date	By	Method	Flag
BTU per Pound	18330	BTU/lb	50	320	6/24/03	HTM	D240	1
Bottom Sediment & Water	32.0	% vol.	0.5	1.6	6/24/03	HTM	D1796	1

FLAG	Comment
1	All laboratory QC requirements were met for this sample.

Gary G. Geipel
Senior Analyst

6125 West National Avenue, P.O. Box 14513, Milwaukee, Wisconsin 53214
(414) 475-6700 • FAX: (414) 475-7216 • www.sflabs.com
Toll-Free: (800) 300-6700

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

26 June 2003

Jackie Doan
EQM
1800 Carillon Blvd.
Cincinnati, OH 45240
RE: OMC - Waukegan

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Sincerely,

Great Lakes Analytical

Andy Johnson

Andy Johnson
Project Manager

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

EQM	Project: OMC - Waukegan	
1800 Carillon Blvd.	Project Number: 3141-117	**Reported:**
Cincinnati, OH 45240	Project Manager: Jackie Doan	06/26/03 13:31

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Sludge Rolloff	B306336-01	Waste (S)	06/18/03 09:00	06/18/03 12:00
WP-409	B306336-02	Wipe	06/18/03 11:00	06/18/03 12:00
WP-410	B306336-03	Wipe	06/18/03 11:05	06/18/03 12:00

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

EQM	Project: OMC - Waukegan	
1800 Carillon Blvd.	Project Number: 3141-117	**Reported:**
Cincinnati, OH 45240	Project Manager: Jackie Doan	06/26/03 13:31

TCLP Semivolatiles by EPA Method 1311/8270C

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sludge Rolloff (B306336-01) Waste (S)	**Sampled: 06/18/03 09:00**		**Received: 06/18/03 12:00**						**QC**
o-Cresol	ND	20.0	mg/l	1	3060560	06/24/03	06/26/03	EPA 8270C	
m,p-Cresols	ND	20.0	"	"	"	"	"	"	
Cresol	ND	20.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.750	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	0.0200	"	"	"	"	"	"	
Hexachlorobenzene	ND	0.0200	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.0500	"	"	"	"	"	"	
Hexachloroethane	ND	0.300	"	"	"	"	"	"	
Nitrobenzene	ND	0.200	"	"	"	"	"	"	
Pentachlorophenol	ND	10.0	"	"	"	"	"	"	
Pyridine	ND	0.500	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	40.0	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	0.200	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		*18.2 %*	*10-110*		"	"	"	"	
Surrogate: Phenol-d6		*11.1 %*	*10-110*		"	"	"	"	
Surrogate: Nitrobenzene-d5		*66.0 %*	*10-113*		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*45.6 %*	*10-110*		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*50.0 %*	*10-116*		"	"	"	"	
Surrogate: p-Terphenyl-d14		*48.0 %*	*10-181*		"	"	"	"	

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GREAT LAKES ANALYTICAL

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EQM	Project: OMC - Waukegan	
1800 Carillon Blvd.	Project Number: 3141-117	**Reported:**
Cincinnati, OH 45240	Project Manager: Jackie Doan	06/26/03 13:31

General Chemistry

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sludge Rolloff (B306336-01) Waste (S)	**Sampled: 06/18/03 09:00**		**Received: 06/18/03 12:00**						
EOX (Extractable Organic Halides)	**2360**	20.0	mg/kg wet	1	3060550	06/24/03	06/24/03	EPA 9020B	
Flashpoint	>220 °F		°F	"	3060447	06/19/03	06/19/03	ASTM D92-85	
Free Liquid	No sample flowed.		N/A	"	3060438	06/19/03	06/19/03	9095A	
pH	**7.50**		pH Units	"	3060562	06/24/03	06/24/03	EPA 9045C	
Phenol	**70.3**	6.30	mg/kg wet	10	3060424	06/19/03	06/20/03	EPA 9066	
Reactive Cyanide	ND	0.130	"	1	3060404	06/18/03	06/19/03	EPA 9014 Ch 7	
Reactive Sulfide	**27.3**	6.50	"	"	3060419	06/18/03	06/19/03	EPA 9034 Ch 7	

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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 06/26/03 13:31

TCLP Metals by EPA 1311/6000/7000 Series Methods

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sludge Rolloff (B306336-01) Waste (S)	**Sampled: 06/18/03 09:00**		**Received: 06/18/03 12:00**						
Mercury	ND	0.000200	mg/l	1	3060548	06/24/03	06/24/03	EPA 7470A	
Arsenic	ND	0.0500	"	"	3060547	06/24/03	06/24/03	EPA 6010B	
Barium	ND	1.00	"	"	"	"	"	"	
Cadmium	**0.0186**	0.00500	"	"	"	"	"	"	
Chromium	ND	0.100	"	"	"	"	"	"	
Selenium	ND	0.0500	"	"	"	"	"	"	
Silver	ND	0.0500	"	"	"	"	"	"	
Lead	**0.00556**	0.00500	"	"	"	"	06/24/03	EPA 7421	

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EQM	Project: OMC - Waukegan	
1800 Carillon Blvd.	Project Number: 3141-117	**Reported:**
Cincinnati, OH 45240	Project Manager: Jackie Doan	06/26/03 13:31

TCLP Volatile Organic Compounds by EPA Method 1311/8260B

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sludge Rolloff (B306336-01) Waste (S)	**Sampled: 06/18/03 09:00**		**Received: 06/18/03 12:00**						
Benzene	ND	0.400	mg/l	20	3060566	06/24/03	06/25/03	EPA 8260B	
Carbon tetrachloride	ND	0.400	"	"	"	"	"	"	
Chlorobenzene	ND	0.400	"	"	"	"	"	"	
Chloroform	ND	0.400	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.400	"	"	"	"	"	"	
1,1-Dichloroethylene	ND	0.400	"	"	"	"	"	"	
Methyl ethyl ketone	ND	100	"	"	"	"	"	"	
Tetrachloroethene	ND	0.400	"	"	"	"	"	"	
Trichloroethylene	ND	0.400	"	"	"	"	"	"	
Vinyl chloride	ND	0.160	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*109 %*	*74.5-129*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*69.2-137*		"	"	"	"	
Surrogate: Toluene-d8		*104 %*	*75.5-130*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*88.8 %*	*64.9-123*		"	"	"	"	

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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 06/26/03 13:31

Polychlorinated Biphenyls by EPA Method 8082

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WP-409 (B306336-02) Wipe Sampled: 06/18/03 11:00 Received: 06/18/03 12:00									
PCB-1016	ND	500	ug/Wipe	1000	3060466	06/20/03	06/24/03	EPA 8082	
PCB-1221	ND	500	"	"	"	"	"	"	
PCB-1232	ND	500	"	"	"	"	"	"	
PCB-1242	ND	500	"	"	"	"	"	"	
PCB-1248	**2760**	500	"	"	"	"	"	"	
PCB-1254	ND	500	"	"	"	"	"	"	
PCB-1260	**1490**	500	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*78.4 %*	*10-116*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*88.9 %*	*10-209*		"	"	"	"	
WP-410 (B306336-03) Wipe Sampled: 06/18/03 11:05 Received: 06/18/03 12:00									
PCB-1016	ND	50.0	ug/Wipe	100	3060466	06/20/03	06/24/03	EPA 8082	
PCB-1221	ND	50.0	"	"	"	"	"	"	
PCB-1232	ND	50.0	"	"	"	"	"	"	
[illegible]242	ND	50.0	"	"	"	"	"	"	
[illegible]1248	**261**	50.0	"	"	"	"	"	"	
PCB-1254	ND	50.0	"	"	"	"	"	"	
PCB-1260	ND	50.0	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*64.6 %*	*10-116*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*84.6 %*	*10-209*		"	"	"	"	

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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 06/26/03 13:31

General Chemistry - Quality Control
Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3060404 - General Prep WC										
Blank (3060404-BLK1)				Prepared: 06/18/03 Analyzed: 06/19/03						
Reactive Cyanide	ND	0.130	mg/kg wet							
LCS (3060404-BS1)				Prepared: 06/18/03 Analyzed: 06/19/03						
Reactive Cyanide	6.66	0.130	mg/kg wet	12.0		55.5	10-132			
Matrix Spike (3060404-MS1)		Source: B306318-01		Prepared: 06/18/03 Analyzed: 06/19/03						
Reactive Cyanide	8.65	0.163	mg/kg dry	14.8	ND	58.4	10-128			
Matrix Spike Dup (3060404-MSD1)		Source: B306318-01		Prepared: 06/18/03 Analyzed: 06/19/03						
Reactive Cyanide	9.66	0.163	mg/kg dry	14.9	ND	64.8	10-128	11.0	61.3	
Batch 3060419 - General Prep WC										
Blank (3060419-BLK1)				Prepared: 06/18/03 Analyzed: 06/19/03						
Reactive Sulfide	ND	6.50	mg/kg wet							
LCS (3060419-BS1)				Prepared: 06/18/03 Analyzed: 06/19/03						
Reactive Sulfide	47.5	6.50	mg/kg wet	44.0		108	33.5-117			
Matrix Spike (3060419-MS1)		Source: B306318-01		Prepared: 06/18/03 Analyzed: 06/19/03						
Reactive Sulfide	161	8.13	mg/kg dry	54.4	153	14.7	10-130			
Matrix Spike Dup (3060419-MSD1)		Source: B306318-01		Prepared: 06/18/03 Analyzed: 06/19/03						
Reactive Sulfide	159	8.13	mg/kg dry	54.8	153	10.9	10-130	1.25	18.7	
Batch 3060424 - General Prep WC										
Blank (3060424-BLK1)				Prepared: 06/19/03 Analyzed: 06/20/03						
Phenol	ND	0.630	mg/kg wet							

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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 06/26/03 13:31

General Chemistry - Quality Control
Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3060424 - General Prep WC										
LCS (3060424-BS1)				Prepared: 06/19/03 Analyzed: 06/20/03						
Phenol	10.3	0.630	mg/kg wet	10.0		103	80.2-130			
Matrix Spike (3060424-MS1)		Source: B306318-01		Prepared: 06/19/03 Analyzed: 06/20/03						
Phenol	6.70	0.788	mg/kg dry	12.4	ND	54.0	36.6-156			
Matrix Spike Dup (3060424-MSD1)		Source: B306318-01		Prepared: 06/19/03 Analyzed: 06/20/03						
Phenol	5.99	0.788	mg/kg dry	12.3	ND	48.7	36.6-156	11.2	16.1	
Batch 3060447 - General Prep WC										
Duplicate (3060447-DUP1)		Source: B306307-01		Prepared & Analyzed: 06/19/03						
Flashpoint	>220 °F		°F		0.00				20	
P h 3060550 - General Prep WC										
L . (3060550-BLK1)				Prepared & Analyzed: 06/24/03						
EOX (Extractable Organic Halides)	ND	20.0	mg/kg wet							
LCS (3060550-BS1)				Prepared & Analyzed: 06/24/03						
EOX (Extractable Organic Halides)	995	20.0	mg/kg wet	1000		99.5	76.2-120			
Matrix Spike (3060550-MS1)		Source: B306377-01		Prepared & Analyzed: 06/24/03						
EOX (Extractable Organic Halides)	1170	24.1	mg/kg dry	1170	22.4	98.1	67.7-125			
Matrix Spike Dup (3060550-MSD1)		Source: B306377-01		Prepared & Analyzed: 06/24/03						
EOX (Extractable Organic Halides)	1230	24.1	mg/kg dry	1180	22.4	102	67.7-125	5.00	16.4	

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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 06/26/03 13:31

General Chemistry - Quality Control

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3060562 - General Prep WC										
LCS (3060562-BS1)				Prepared & Analyzed: 06/24/03						
pH	7.03		pH Units	7.00		100	98.6-101.4			
LCS Dup (3060562-BSD1)				Prepared & Analyzed: 06/24/03						
pH	7.05		pH Units	7.00		101	98.6-101.4	0.284	1	
Duplicate (3060562-DUP1)		**Source: B306327-01**		Prepared & Analyzed: 06/24/03						
pH	5.25		pH Units		5.23			0.382	1	

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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 06/26/03 13:31

TCLP Metals by EPA 1311/6000/7000 Series Methods - Quality Control

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3060547 - EPA 3010A TCLP										
Blank (3060547-BLK1)				Prepared & Analyzed: 06/24/03						
Arsenic	ND	0.0500	mg/l							
Lead	ND	0.00500	"							
Barium	ND	1.00	"							
Cadmium	ND	0.00500	"							
Chromium	ND	0.100	"							
Selenium	ND	0.0500	"							
Silver	ND	0.0500	"							
LCS (3060547-BS1)				Prepared & Analyzed: 06/24/03						
Arsenic	2.08	0.0500	mg/l	2.00		104	89.5-124			
Lead	0.0215	0.00500	"	0.0240		89.6	76-139			
[illegible]n	3.94	1.00	"	4.00		98.5	85.1-127			
[illegible]um	2.23	0.00500	"	2.00		112	85.9-123			
Chromium	3.79	0.100	"	4.00		94.8	85-117			
Selenium	2.20	0.0500	"	2.00		110	84.2-126			
Silver	1.96	0.0500	"	4.00		49.0	48-135			
Matrix Spike (3060547-MS1)		Source: B306305-01		Prepared & Analyzed: 06/24/03						
Arsenic	2.05	0.0500	mg/l	2.00	0.00440	102	76.1-143			
Lead	0.0223	0.00500	"	0.0240	ND	92.9	41.6-170			
Barium	3.96	1.00	"	4.00	0.0715	97.2	78.3-138			
Cadmium	2.15	0.00500	"	2.00	ND	108	84.2-123			
Chromium	3.71	0.100	"	4.00	ND	92.8	73.5-125			
Selenium	2.16	0.0500	"	2.00	0.0170	107	85.3-137			
Silver	1.24	0.0500	"	4.00	ND	31.0	10-174			
Matrix Spike Dup (3060547-MSD1)		Source: B306305-01		Prepared & Analyzed: 06/24/03						
Arsenic	2.09	0.0500	mg/l	2.00	0.00440	104	76.1-143	1.93	7.78	
Lead	0.0227	0.00500	"	0.0240	ND	94.6	41.6-170	1.78	24.1	
Barium	4.07	1.00	"	4.00	0.0715	100	78.3-138	2.74	9.1	
Cadmium	2.21	0.00500	"	2.00	ND	110	84.2-123	2.75	7.45	
Chromium	3.84	0.100	"	4.00	ND	96.0	73.5-125	3.44	11.6	
Selenium	2.23	0.0500	"	2.00	0.0170	111	85.3-137	3.19	9.9	
Silver	1.29	0.0500	"	4.00	ND	32.2	10-174	3.95	46.3	

Great Lakes Analytical--Buffalo Grove

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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 06/26/03 13:31

TCLP Metals by EPA 1311/6000/7000 Series Methods - Quality Control

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3060548 - EPA 7470A										
Blank (3060548-BLK1)				Prepared & Analyzed: 06/24/03						
Mercury	ND	0.000200	mg/l							
LCS (3060548-BS1)				Prepared & Analyzed: 06/24/03						
Mercury	0.00182	0.000200	mg/l	0.00150		121	68.4-131			
Matrix Spike (3060548-MS1)		Source: B306305-02		Prepared & Analyzed: 06/24/03						
Mercury	0.00176	0.000200	mg/l	0.00150	ND	117	52-151			
Matrix Spike Dup (3060548-MSD1)		Source: B306305-02		Prepared & Analyzed: 06/24/03						
Mercury	0.00172	0.000200	mg/l	0.00150	ND	115	52-151	2.30	32.8	

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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 06/26/03 13:31

TCLP Volatile Organic Compounds by EPA Method 1311/8260B - Quality Control

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3060566 - EPA 5030B TCLP										
Blank (3060566-BLK1)				Prepared: 06/24/03 Analyzed: 06/25/03						
Benzene	ND	0.400	mg/l							
Carbon tetrachloride	ND	0.400	"							
Chlorobenzene	ND	0.400	"							
Chloroform	ND	0.400	"							
1,2-Dichloroethane	ND	0.400	"							
1,1-Dichloroethylene	ND	0.400	"							
Methyl ethyl ketone	ND	100	"							
Tetrachloroethene	ND	0.400	"							
Trichloroethylene	ND	0.400	"							
Vinyl chloride	ND	0.160	"							
Surrogate: Dibromofluoromethane	*0.0531*		"	*0.0500*		*106*	*74.5-129*			
Surrogate: 1,2-Dichloroethane-d4	*0.0494*		"	*0.0500*		*98.8*	*69.2-137*			
Surrogate: Toluene-d8	*0.0517*		"	*0.0500*		*103*	*75.5-130*			
Surrogate: 4-Bromofluorobenzene	*0.0448*		"	*0.0500*		*89.6*	*64.9-123*			
LCS (3060566-BS1)				Prepared: 06/24/03 Analyzed: 06/25/03						
Benzene	1.21	0.400	mg/l	1.00		121	67.6-144			
Carbon tetrachloride	0.844	0.400	"	1.00		84.4	23.1-180			
Chlorobenzene	1.28	0.400	"	1.00		128	85.3-128			
Chloroform	1.08	0.400	"	1.00		108	69.2-143			
1,2-Dichloroethane	0.968	0.400	"	1.00		96.8	67.1-142			
1,1-Dichloroethylene	1.07	0.400	"	1.00		107	56.3-143			
Methyl ethyl ketone	1.22	100	"	1.00		122	23.1-191			
Tetrachloroethene	1.21	0.400	"	1.00		121	61.5-149			
Trichloroethylene	1.20	0.400	"	1.00		120	46.1-173			
Vinyl chloride	0.794	0.160	"	1.00		79.4	61.5-136			
Surrogate: Dibromofluoromethane	*0.0497*		"	*0.0500*		*99.4*	*74.5-129*			
Surrogate: 1,2-Dichloroethane-d4	*0.0439*		"	*0.0500*		*87.8*	*69.2-137*			
Surrogate: Toluene-d8	*0.0506*		"	*0.0500*		*101*	*75.5-130*			
Surrogate: 4-Bromofluorobenzene	*0.0467*		"	*0.0500*		*93.4*	*64.9-123*			

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GREAT LAKES ANALYTICAL

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Buffalo Grove, Illinois 60089

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(847) 808-7766 FAX (847) 808-7772

EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 06/26/03 13:31

TCLP Volatile Organic Compounds by EPA Method 1311/8260B - Quality Control

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3060566 - EPA 5030B TCLP										
Matrix Spike (3060566-MS1)		**Source: B306382-01**		Prepared: 06/24/03	Analyzed: 06/25/03					
Benzene	1.35	0.400	mg/l	1.00	ND	135	50.5-150			
Carbon tetrachloride	0.926	0.400	"	1.00	ND	92.6	13.8-160			
Chlorobenzene	1.33	0.400	"	1.00	ND	133	66.9-142			
Chloroform	1.18	0.400	"	1.00	ND	118	67.5-144			
1,2-Dichloroethane	1.10	0.400	"	1.00	ND	110	69.6-144			
1,1-Dichloroethylene	1.08	0.400	"	1.00	ND	108	24.4-156			
Methyl ethyl ketone	1.48	100	"	1.00	ND	148	31.3-167			
Tetrachloroethene	1.28	0.400	"	1.00	ND	128	13.6-175			
Trichloroethylene	1.30	0.400	"	1.00	ND	130	26.2-168			
Vinyl chloride	0.759	0.160	"	1.00	ND	75.9	29-152			
Surrogate: Dibromofluoromethane	*0.0509*		"	*0.0500*		*102*	*74.5-129*			
Surrogate: 1,2-Dichloroethane-d4	*0.0474*		"	*0.0500*		*94.8*	*69.2-137*			
Surrogate: Toluene-d8	*0.0536*		"	*0.0500*		*107*	*75.5-130*			
Surrogate: 4-Bromofluorobenzene	*0.0466*		"	*0.0500*		*93.2*	*64.9-123*			
Matrix Spike Dup (3060566-MSD1)		**Source: B306382-01**		Prepared: 06/24/03	Analyzed: 06/25/03					
Benzene	1.20	0.400	mg/l	1.00	ND	120	50.5-150	11.8	35.4	
Carbon tetrachloride	0.832	0.400	"	1.00	ND	83.2	13.8-160	10.7	56.3	
Chlorobenzene	1.25	0.400	"	1.00	ND	125	66.9-142	6.20	25.8	
Chloroform	1.09	0.400	"	1.00	ND	109	67.5-144	7.93	35.8	
1,2-Dichloroethane	0.976	0.400	"	1.00	ND	97.6	69.6-144	11.9	28.3	
1,1-Dichloroethylene	1.06	0.400	"	1.00	ND	106	24.4-156	1.87	38.4	
Methyl ethyl ketone	1.20	100	"	1.00	ND	120	31.3-167	20.9	46	
Tetrachloroethene	1.16	0.400	"	1.00	ND	116	13.6-175	9.84	39.7	
Trichloroethylene	1.16	0.400	"	1.00	ND	116	26.2-168	11.4	33.7	
Vinyl chloride	0.881	0.160	"	1.00	ND	88.1	29-152	14.9	44.4	
Surrogate: Dibromofluoromethane	*0.0497*		"	*0.0500*		*99.4*	*74.5-129*			
Surrogate: 1,2-Dichloroethane-d4	*0.0448*		"	*0.0500*		*89.6*	*69.2-137*			
Surrogate: Toluene-d8	*0.0509*		"	*0.0500*		*102*	*75.5-130*			
Surrogate: 4-Bromofluorobenzene	*0.0450*		"	*0.0500*		*90.0*	*64.9-123*			

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 06/26/03 13:31

Polychlorinated Biphenyls by EPA Method 8082 - Quality Control

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3060466 - EPA 3550B										
Blank (3060466-BLK1)				Prepared & Analyzed: 06/20/03						
PCB-1016	ND	0.500	ug/Wipe							
PCB-1221	ND	0.500	"							
PCB-1232	ND	0.500	"							
PCB-1242	ND	0.500	"							
PCB-1248	ND	0.500	"							
PCB-1254	ND	0.500	"							
PCB-1260	ND	0.500	"							
Surrogate: Tetrachloro-meta-xylene	*0.630*		"	*1.00*		*63.0*	*10-116*			
Surrogate: Decachlorobiphenyl	*0.758*		"	*1.00*		*75.8*	*10-209*			
LCS (3060466-BS1)				Prepared: 06/20/03 Analyzed: 06/21/03						
1016	3.14	0.500	ug/Wipe	10.0		31.4	21.2-107			
1260	3.74	0.500	"	10.0		37.4	24.8-128			
Surrogate: Tetrachloro-meta-xylene	*0.611*		"	*1.00*		*61.1*	*10-116*			
Surrogate: Decachlorobiphenyl	*0.708*		"	*1.00*		*70.8*	*10-209*			
LCS Dup (3060466-BSD1)				Prepared: 06/20/03 Analyzed: 06/21/03						
PCB-1016	2.76	0.500	ug/Wipe	10.0		27.6	21.2-107	12.9	54.4	
PCB-1260	3.37	0.500	"	10.0		33.7	24.8-128	10.4	44.4	
Surrogate: Tetrachloro-meta-xylene	*0.542*		"	*1.00*		*54.2*	*10-116*			
Surrogate: Decachlorobiphenyl	*0.634*		"	*1.00*		*63.4*	*10-209*			

Great Lakes Analytical--Buffalo Grove

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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 06/26/03 13:31

TCLP Semivolatiles by EPA Method 1311/8270C - Quality Control

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3060560 - EPA 3510C										
Blank (3060560-BLK1)				Prepared: 06/24/03 Analyzed: 06/26/03						
o-Cresol	ND	20.0	mg/l							
m,p-Cresols	ND	20.0	"							
Cresol	ND	20.0	"							
1,4-Dichlorobenzene	ND	0.750	"							
2,4-Dinitrotoluene	ND	0.0200	"							
Hexachlorobenzene	ND	0.0200	"							
Hexachlorobutadiene	ND	0.0500	"							
Hexachloroethane	ND	0.300	"							
Nitrobenzene	ND	0.200	"							
Pentachlorophenol	ND	10.0	"							
Pyridine	ND	0.500	"							
2,4,5-Trichlorophenol	ND	40.0	"							
2,4,6-Trichlorophenol	ND	0.200	"							
Surrogate: 2-Fluorophenol	*0.0665*		"	*0.500*		*13.3*	*10-110*			
Surrogate: Phenol-d6	*0.0377*		"	*0.500*		*7.54*	*10-110*			L
Surrogate: Nitrobenzene-d5	*0.115*		"	*0.250*		*46.0*	*10-113*			
Surrogate: 2-Fluorobiphenyl	*0.0735*		"	*0.250*		*29.4*	*10-110*			
Surrogate: 2,4,6-Tribromophenol	*0.120*		"	*0.500*		*24.0*	*10-116*			
Surrogate: p-Terphenyl-d14	*0.0789*		"	*0.250*		*31.6*	*10-181*			
LCS (3060560-BS1)				Prepared: 06/24/03 Analyzed: 06/26/03						
o-Cresol	0.178	0.0200	mg/l	1.00		17.8	10-110			
m,p-Cresols	0.338	0.200	"	2.00		16.9	10-110			
Cresol	0.516	0.200	"	3.00		17.2	10-110			
1,4-Dichlorobenzene	0.193	0.0750	"	1.00		19.3	10-110			
2,4-Dinitrotoluene	0.282	0.0200	"	1.00		28.2	10-110			
Hexachlorobenzene	0.173	0.0200	"	1.00		17.3	10-110			
Hexachlorobutadiene	0.187	0.0500	"	1.00		18.7	10-110			
Hexachloroethane	0.177	0.0300	"	1.00		17.7	10-110			
Nitrobenzene	0.271	0.200	"	1.00		27.1	10-110			
Pentachlorophenol	0.206	0.100	"	1.00		20.6	10-110			
Pyridine	0.0654	0.0500	"	1.00		6.54	10-110			L
2,4,5-Trichlorophenol	0.233	0.0400	"	1.00		23.3	10-110			
2,4,6-Trichlorophenol	0.192	0.0200	"	1.00		19.2	10-110			
Surrogate: 2-Fluorophenol	*0.124*		"	*0.500*		*24.8*	*10-110*			
Surrogate: Phenol-d6	*0.0729*		"	*0.500*		*14.6*	*10-110*			

Great Lakes Analytical--Buffalo Grove

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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 06/26/03 13:31

TCLP Semivolatiles by EPA Method 1311/8270C - Quality Control

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3060560 - EPA 3510C										
LCS (3060560-BS1)				Prepared: 06/24/03 Analyzed: 06/26/03						
Surrogate: Nitrobenzene-d5	*0.189*		*mg/l*	*0.250*		*75.6*	*10-113*			
Surrogate: 2-Fluorobiphenyl	*0.128*		*"*	*0.250*		*51.2*	*10-110*			
Surrogate: 2,4,6-Tribromophenol	*0.217*		*"*	*0.500*		*43.4*	*10-116*			
Surrogate: p-Terphenyl-d14	*0.126*		*"*	*0.250*		*50.4*	*10-181*			
Matrix Spike (3060560-MS1)		**Source: B306382-01**		Prepared: 06/24/03 Analyzed: 06/26/03						
o-Cresol	0.131	0.0200	mg/l	1.00	ND	13.1	10-110			
m,p-Cresols	0.254	0.200	"	2.00	ND	12.7	10-110			
Cresol	0.385	0.200	"	3.00	ND	12.8	11.7-110			
1,4-Dichlorobenzene	0.142	0.0750	"	1.00	ND	14.2	10-110			
2,4-Dinitrotoluene	0.258	0.0200	"	1.00	ND	25.8	10-110			
[illegible]chlorobenzene	0.141	0.0200	"	1.00	ND	14.1	10-110			
[illegible]hlorobutadiene	0.135	0.0500	"	1.00	ND	13.5	10-110			
Hexachloroethane	0.137	0.0300	"	1.00	ND	13.7	10-110			
Nitrobenzene	0.199	0.0200	"	1.00	ND	19.9	10-110			
Pentachlorophenol	0.190	0.100	"	1.00	ND	19.0	10-110			
Pyridine	0.0702	0.0500	"	1.00	ND	7.02	10-110			L
2,4,5-Trichlorophenol	0.202	0.0400	"	1.00	ND	20.2	10-110			
2,4,6-Trichlorophenol	0.155	0.0200	"	1.00	ND	15.5	10-110			
Surrogate: 2-Fluorophenol	*0.0843*		*"*	*0.500*		*16.9*	*10-110*			
Surrogate: Phenol-d6	*0.0516*		*"*	*0.500*		*10.3*	*10-110*			
Surrogate: Nitrobenzene-d5	*0.143*		*"*	*0.250*		*57.2*	*10-113*			
Surrogate: 2-Fluorobiphenyl	*0.0944*		*"*	*0.250*		*37.8*	*10-110*			
Surrogate: 2,4,6-Tribromophenol	*0.190*		*"*	*0.500*		*38.0*	*10-116*			
Surrogate: p-Terphenyl-d14	*0.118*		*"*	*0.250*		*47.2*	*10-181*			
Matrix Spike Dup (3060560-MSD1)		**Source: B306382-01**		Prepared: 06/24/03 Analyzed: 06/26/03						
o-Cresol	0.160	0.0200	mg/l	1.00	ND	16.0	10-110	19.9	59.6	
m,p-Cresols	0.307	0.200	"	2.00	ND	15.4	10-110	18.9	67.5	
Cresol	0.467	0.200	"	3.00	ND	15.6	11.7-110	19.2	59.1	
1,4-Dichlorobenzene	0.160	0.0750	"	1.00	ND	16.0	10-110	11.9	92.3	
2,4-Dinitrotoluene	0.291	0.0200	"	1.00	ND	29.1	10-110	12.0	76.8	
Hexachlorobenzene	0.152	0.0200	"	1.00	ND	15.2	10-110	7.51	67	
Hexachlorobutadiene	0.154	0.0500	"	1.00	ND	15.4	10-110	13.1	95.7	
Hexachloroethane	0.153	0.0300	"	1.00	ND	15.3	10-110	11.0	96.5	
Nitrobenzene	0.233	0.200	"	1.00	ND	23.3	10-110	15.7	89.5	
[illegible]chlorophenol	0.212	0.100	"	1.00	ND	21.2	10-110	10.9	116	

Great Lakes Analytical--Buffalo Grove

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EQM	Project: OMC - Waukegan	
1800 Carillon Blvd.	Project Number: 3141-117	**Reported:**
Cincinnati, OH 45240	Project Manager: Jackie Doan	06/26/03 13:31

TCLP Semivolatiles by EPA Method 1311/8270C - Quality Control

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3060560 - EPA 3510C										
Matrix Spike Dup (3060560-MSD1)		**Source: B306382-01**		Prepared: 06/24/03 Analyzed: 06/26/03						
Pyridine	0.0935	0.0500	"	1.00	ND	9.35	10-110	28.5	99	L
2,4,5-Trichlorophenol	0.231	0.0400	"	1.00	ND	23.1	10-110	13.4	86.7	
2,4,6-Trichlorophenol	0.189	0.0200	"	1.00	ND	18.9	10-110	19.8	96.2	
Surrogate: 2-Fluorophenol	*0.0961*		"	*0.500*		*19.2*	*10-110*			
Surrogate: Phenol-d6	*0.0603*		"	*0.500*		*12.1*	*10-110*			
Surrogate: Nitrobenzene-d5	*0.170*		"	*0.250*		*68.0*	*10-113*			
Surrogate: 2-Fluorobiphenyl	*0.113*		"	*0.250*		*45.2*	*10-110*			
Surrogate: 2,4,6-Tribromophenol	*0.235*		"	*0.500*		*47.0*	*10-116*			
Surrogate: p-Terphenyl-d14	*0.134*		"	*0.250*		*53.6*	*10-181*			

Great Lakes Analytical–Buffalo Grove

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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	Reported: 06/26/03 13:31

Notes and Definitions

>220	>220 °F
Pass	No sample flowed.
QC	The result for one or more quality control measurements associated with this sample did not meet the laboratory and/or source method acceptance criteria.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
L	This quality control measurement is below the laboratory established limit.
H	This quality control measurement is above the laboratory established limit.

Great Lakes Analytical--Buffalo Grove Wisconsin DNR Certification Lab ID: 999917160

at Lakes Analytical--Buffalo Grove NELAP Primary Accreditation: Illinois #100261

Great Lakes Analytical--Buffalo Grove NELAP Secondary Accreditation: New Jersey #IL001

Great Lakes Analytical--Oak Creek, WI Wisconsin DNR Certification Lab ID: 341000330

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

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(513) 825-7500

Environment[illegible] Quality Management, Inc.
Chain of Custody Record

COC Tracking: EQ- 1119[illegible]

Project No.: 3141-117

Project Name: OMC Waukegan

Samplers/Affiliation: (Print Name and Sign) Ken Brown for EQM

Lab P.O. No:

Sample ID:	Date	Time	Description/Matrix:	Sample Volume / Comments	No. of Containers	Flash Point	pH	Paint Filter	TCLP metals	TCLP VOA	TCLP SVOA	Tox	Total Phenol	Reactive Cyanide	Reactive Sulfide	PCBs (8082)
Sludge Roll off	6/18/03	900	sludge	B306033 6-01	5	X	X	X	X	X	X	X	X	X	X	
WP-409	6/18/03	1100	Wipe (100cm²)	02	1											X
WP-410	6/18/03	1105	Wipe (100 cm²)	03	1											X

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	6/18/03	1200	[signature]	6/19	915
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
			[signature]	6/19/03	1011
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Ship To: JACKIE DOAN EQM
1800 CARILLON BLVD.
CINCINNATI, OH 45240
FAX RESULTS TO (513) 825-7495
AND (847) 782-0658

Airbill Number

Reporting/QA Requirements:

Turn Around Time ☆ MUST HAVE ☆
(EXACT DUE DATE) ☆ 6/25/03 ☆

Report To:

Chain of Custody Seal Numbers

JCE/BC

Distribution: White - Accompanies Shipment Pink - Project Files Yellow - Laboratory File

06/26/03 12:51 FAX 847 808 7772 GREAT LAKES ANALYTICAL

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26 June 2003

Jackie Doan
EQM
1800 Carillon Blvd.
Cincinnati, OH 45240
RE: OMC - Waukegan

Enclosed are the results of analyses for samples received by the laboratory on 06/23/03. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

`reat Lakes Analytical

Andy Johnson

Andy Johnson
Project Manager

GREAT LAKES ANALYTICAL

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EQM	Project: OMC - Waukegan	
1800 Carillon Blvd.	Project Number: 3141-117	**Reported:**
Cincinnati, OH 45240	Project Manager: Jackie Doan	06/26/03 16:44

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Machine Oil	B306432-01	OIL	06/23/03 14:00	06/23/03 16:30
Belle Carbon	B306432-02	Waste (S)	06/23/03 14:45	06/23/03 16:30

Great Lakes Analytical–Buffalo Grove

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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 06/26/03 16:44

General Chemistry

Great Lakes Analytical–Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Machine Oil (B306432-01) OIL Sampled: 06/23/03 14:00 Received: 06/23/03 16:30									
Flashpoint	**146**		°F	1	3060591	06/25/03	06/25/03	ASTM D93-85	
TX (Total Halides)	**1270**	50.0	mg/kg	"	3060522	06/23/03	06/24/03	EPA 9020B	

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EQM	Project: OMC - Waukegan	
1800 Carillon Blvd.	Project Number: 3141-117	**Reported:**
Cincinnati, OH 45240	Project Manager: Jackie Doan	06/26/03 16:44

Polychlorinated Biphenyls by EPA Method 8082

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Belle Carbon (B306432-02) Waste (S) Sampled: 06/23/03 14:45 Received: 06/23/03 16:30									
PCB-1016	ND	35.1	ug/kg wet	1	3060571	06/25/03	06/25/03	EPA 8082	
PCB-1221	ND	35.1	"	"	"	"	"	"	
PCB-1232	ND	35.1	"	"	"	"	"	"	
PCB-1242	ND	35.1	"	"	"	"	"	"	
PCB-1248	ND	35.1	"	"	"	"	"	"	
PCB-1254	ND	35.1	"	"	"	"	"	"	
PCB-1260	ND	35.1	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*6.48 %*	*10-125*		"	"	"	"	L
Surrogate: Decachlorobiphenyl		*%*	*10-143*		"	"	"	"	L

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

GREAT LAKES ANALYTICAL

1380 Busch Parkway
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Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 06/26/03 16:44

General Chemistry - Quality Control
Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3060522 - General Prep WC										
Blank (3060522-BLK1)				Prepared: 06/23/03 Analyzed: 06/24/03						
TX (Total Halides)	ND	50.0	mg/kg							
LCS (3060522-BS1)				Prepared: 06/23/03 Analyzed: 06/24/03						
TX (Total Halides)	985	50.0	mg/kg	1000		98.5	86.1-114			
Duplicate (3060522-DUP1)		**Source: B306349-02**		Prepared: 06/23/03 Analyzed: 06/24/03						
TX (Total Halides)	ND	50.0	mg/kg		28.1			5.11	66.4	
Batch 3060591 - General Prep WC										
Duplicate (3060591-DUP1)		**Source: B306432-01**		Prepared & Analyzed: 06/25/03						
Flashpoint	151		°F		146			3.37	20	

Great Lakes Analytical--Buffalo Grove

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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 06/26/03 16:44

Polychlorinated Biphenyls by EPA Method 8082 - Quality Control

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3060571 - EPA 3550B										
Blank (3060571-BLK1)				Prepared & Analyzed: 06/25/03						
PCB-1016	ND	25.0	ug/kg wet							
PCB-1221	ND	25.0	"							
PCB-1232	ND	25.0	"							
PCB-1242	ND	25.0	"							
PCB-1248	ND	25.0	"							
PCB-1254	ND	25.0	"							
PCB-1260	ND	25.0	"							
Surrogate: Tetrachloro-meta-xylene	*20.9*		"	*33.4*		*62.6*	*10-125*			
Surrogate: Decachlorobiphenyl	*21.1*		"	*33.4*		*63.2*	*10-143*			
LCS (3060571-BS1)				Prepared & Analyzed: 06/25/03						
PCB-1016	125	25.0	ug/kg wet	336		37.2	10-133			
PCB-1260	106	25.0	"	336		31.5	14-134			
Surrogate: Tetrachloro-meta-xylene	*22.4*		"	*33.6*		*66.7*	*10-125*			
Surrogate: Decachlorobiphenyl	*22.2*		"	*33.6*		*66.1*	*10-143*			
Matrix Spike (3060571-MS1)		**Source: B306407-02**		Prepared & Analyzed: 06/25/03						
PCB-1016	105	29.9	ug/kg dry	395	ND	26.6	10-131			
PCB-1260	93.7	29.9	"	395	ND	23.7	10-129			
Surrogate: Tetrachloro-meta-xylene	*23.4*		"	*39.5*		*59.2*	*10-125*			
Surrogate: Decachlorobiphenyl	*23.4*		"	*39.5*		*59.2*	*10-143*			
Matrix Spike Dup (3060571-MSD1)		**Source: B306407-02**		Prepared & Analyzed: 06/25/03						
PCB-1016	113	29.9	ug/kg dry	401	ND	28.2	10-131	7.34	87.6	
PCB-1260	105	29.9	"	401	ND	26.2	10-129	11.4	71.9	
Surrogate: Tetrachloro-meta-xylene	*25.9*		"	*40.1*		*64.6*	*10-125*			
Surrogate: Decachlorobiphenyl	*26.2*		"	*40.1*		*65.3*	*10-143*			

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

GREAT LAKES ANALYTICAL

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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 06/26/03 16:44

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
L	This quality control measurement is below the laboratory established limit.
H	This quality control measurement is above the laboratory established limit.

Great Lakes Analytical--Buffalo Grove Wisconsin DNR Certification Lab ID: 999917160

Great Lakes Analytical--Buffalo Grove NELAP Primary Accreditation: Illinois #100261

Great Lakes Analytical--Buffalo Grove NELAP Secondary Accreditation: New Jersey #IL001

Great Lakes Analytical--Oak Creek, WI Wisconsin DNR Certification Lab ID: 341000330

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Andy Johnson

Andy Johnson, Project Manager

S-F ANALYTICAL LABORATORIES, INC.

A Subsidiary of Sommer-Frey Laboratories, Inc.

Great Lakes Analytical Laboratories
Attn: Andy Johnson
1380 Busch Parkway
Buffalo Grove, IL 60089

Received Date: 6/24/03
Report Date: 6/24/03
P.O. Number: 1495

- Analytical Results -

Lab #: 03A4171-001 Sample ID: B306432-01

Test	Result	Units	LOD	LOQ	Analysis Date	By	Method	Flag
BTU per Pound	18330	BTU/lb	50	320	6/24/03	HTM	D240	1
Bottom Sediment & Water	32.0	% vol.	0.5	1.6	6/24/03	HTM	D1796	1

FLAG	Comment
1	All laboratory QC requirements were met for this sample.

Gary G. Geipel
Senior Analyst

6125 West National Avenue, P.O. Box 14513, Milwaukee, Wisconsin 53214
(414) 475-6700 • FAX: (414) 475-7216 • www.sflabs.com

1800 Carillon Blvd
Cincinnati, C 240
(513) 825-75

Environmental Quality Management, Inc.
Chain of Custody Record

COC Tracking: EQ-11199

Project No.: 3141-117

Project Name: OMC Waukegan

Samplers/Affiliation: (Print Name and Sign) Ken Brown for EQM — Kenneth R. Brown

Lab P.O. No:

Sample ID:	Date	Time	Description/Matrix:	Sample Volume / Comments	No. of Containers	Btu	Paint Point	TOX	BS+W	PCBs
MACHINE OIL	6/23/03	1400	OIL	B3060432201	4	X	X	X	X	
BALE CARBON	6/23/03	1445	SOLID	02	1					X

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Kenneth R. Brown	6/23/03	1700	Brenkin Tuttle	6/23/03	16:30
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
			[illegible]	6/24/03	715
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Ship To: JACKIE DOAN - EQM
1800 CARILLON BLVD.
CINCINNATI, OH 45240
FAX RESULTS TO: (513) 825-7495
AND (847) 782-0658

Airbill Number:

Reporting/QA Requirements:

Turn Around Time: * 2DAY TURN *
(EXACT DUE DATE): 6/25/03

Report To:

Chain of Custody Seal Numbers

Distribution: White - Accompanies Shipment Pink - Project Files Yellow - Laboratory File

9.50C-EY

06/26/03 17:01 FAX 847 808 1116 GREAT LAKES ANALYTICAL

GREAT LAKES ANALYTICAL

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26 June 2003

Jackie Doan
EQM
1800 Carillon Blvd.
Cincinnati, OH 45240
RE: OMC - Waukegan

Enclosed are the results of analyses for samples received by the laboratory on 06/18/03. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Great Lakes Analytical

Andy Johnson

Andy Johnson
Project Manager

GREAT LAKES ANALYTICAL

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Buffalo Grove, Illinois 60089

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EQM	Project: OMC - Waukegan	
1800 Carillon Blvd.	Project Number: 3141-117	**Reported:**
Cincinnati, OH 45240	Project Manager: Jackie Doan	06/26/03 17:06

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Belle Influent	B306335-01	Water	06/18/03 11:45	06/18/03 12:00
Belle Effluent	B306335-02	Water	06/18/03 11:45	06/18/03 12:00

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

GREAT LAKES ANALYTICAL
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EQM	Project: OMC - Waukegan	
1800 Carillon Blvd.	Project Number: 3141-117	**Reported:**
Cincinnati, OH 45240	Project Manager: Jackie Doan	06/26/03 17:06

General Chemistry

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Belle Influent (B306335-01) Water	**Sampled: 06/18/03 11:45**	**Received: 06/18/03 12:00**							
Oil & Grease	**92.2**	5.00	mg/l	1	3060448	06/19/03	06/23/03	EPA 413.1	
Belle Effluent (B306335-02) Water	**Sampled: 06/18/03 11:45**	**Received: 06/18/03 12:00**							
Oil & Grease	**40.1**	5.00	mg/l	1	3060448	06/19/03	06/23/03	EPA 413.1	

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 06/26/03 17:06

Total Metals by EPA 6000/7000 Series Methods

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Belle Influent (B306335-01) Water Sampled: 06/18/03 11:45 Received: 06/18/03 12:00									
Mercury	ND	0.000200	mg/l	1	3060508	06/23/03	06/23/03	EPA 7470A	
Arsenic	ND	0.0500	"	"	3060511	06/23/03	06/23/03	EPA 6010B	
Barium	ND	0.500	"	"	"	"	"	"	
Cadmium	ND	0.00500	"	"	"	"	"	"	
Chromium	**0.0130**	0.0100	"	"	"	"	"	"	
Selenium	ND	0.0500	"	"	"	"	"	"	
Silver	ND	0.0500	"	"	"	"	"	"	
Lead	**0.0317**	0.00500	"	"	"	"	06/23/03	EPA 7421	
Belle Effluent (B306335-02) Water Sampled: 06/18/03 11:45 Received: 06/18/03 12:00									
Mercury	ND	0.000200	mg/l	1	3060508	06/23/03	06/23/03	EPA 7470A	
Arsenic	ND	0.0500	"	"	3060511	06/23/03	06/23/03	EPA 6010B	
Barium	ND	0.500	"	"	"	"	"	"	
Cadmium	ND	0.00500	"	"	"	"	"	"	
Chromium	**0.0236**	0.0100	"	"	"	"	"	"	
Selenium	ND	0.0500	"	"	"	"	"	"	
Silver	ND	0.0500	"	"	"	"	"	"	
Lead	**0.0230**	0.00500	"	"	"	"	06/23/03	EPA 7421	

Great Lakes Analytical--Buffalo Grove

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EQM	Project: OMC - Waukegan	
1800 Carillon Blvd.	Project Number: 3141-117	**Reported:**
Cincinnati, OH 45240	Project Manager: Jackie Doan	06/26/03 17:06

Volatile Organic Compounds by EPA Method 8260B

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Belle Influent (B306335-01) Water Sampled: 06/18/03 11:45 Received: 06/18/03 12:00									**QC**
Acetone	**210**	10.0	ug/l	1	3060476	06/20/03	06/23/03	5030B/8260B	A, B
Benzene	ND	2.00	"	"	"	"	"	"	
Bromodichloromethane	**3.57**	2.00	"	"	"	"	"	"	
Bromoform	ND	2.00	"	"	"	"	"	"	
Bromomethane	ND	2.00	"	"	"	"	"	"	
2-Butanone	ND	10.0	"	"	"	"	"	"	
Carbon disulfide	ND	2.00	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.00	"	"	"	"	"	"	
Chlorobenzene	ND	2.00	"	"	"	"	"	"	
Chlorodibromomethane	ND	2.00	"	"	"	"	"	"	
Chloroethane	ND	2.00	"	"	"	"	"	"	
Chloroform	**8.05**	2.00	"	"	"	"	"	"	
Chloromethane	ND	2.00	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.00	"	"	"	"	"	"	
Dichloroethane	ND	2.00	"	"	"	"	"	"	
Dichloroethene	ND	2.00	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.00	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.00	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.00	"	"	"	"	"	"	
1,3-Dichloropropene (cis + trans)	ND	2.00	"	"	"	"	"	"	
Ethylbenzene	ND	2.00	"	"	"	"	"	"	
2-Hexanone	ND	10.0	"	"	"	"	"	"	
Methylene chloride	ND	2.00	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	10.0	"	"	"	"	"	"	
Styrene	ND	2.00	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.00	"	"	"	"	"	"	
Tetrachloroethene	ND	2.00	"	"	"	"	"	"	
Toluene	ND	2.00	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.00	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.00	"	"	"	"	"	"	
Trichloroethene	ND	2.00	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.00	"	"	"	"	"	"	
Vinyl acetate	ND	2.00	"	"	"	"	"	"	
Vinyl chloride	ND	2.00	"	"	"	"	"	"	
Total Xylenes	ND	4.00	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*93.2 %*	*75.8-127*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*93.6 %*	*62.5-145*		"	"	"	"	
Surrogate: Toluene-d8		*103 %*	*76.6-130*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*103 %*	*68.9-123*		"	"	"	"	

Great Lakes Analytical--Buffalo Grove

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Andy Johnson, Project Manager

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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 06/26/03 17:06

Volatile Organic Compounds by EPA Method 8260B

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Belle Effluent (B306335-02) Water	**Sampled: 06/18/03 11:45**	**Received: 06/18/03 12:00**							**QC**
Acetone	**140**	10.0	ug/l	1	3060476	06/20/03	06/23/03	5030B/8260B	A, B
Benzene	ND	2.00	"	"	"	"	"	"	
Bromodichloromethane	ND	2.00	"	"	"	"	"	"	
Bromoform	ND	2.00	"	"	"	"	"	"	
Bromomethane	ND	2.00	"	"	"	"	"	"	
2-Butanone	ND	10.0	"	"	"	"	"	"	
Carbon disulfide	ND	2.00	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.00	"	"	"	"	"	"	
Chlorobenzene	ND	2.00	"	"	"	"	"	"	
Chlorodibromomethane	ND	2.00	"	"	"	"	"	"	
Chloroethane	ND	2.00	"	"	"	"	"	"	
Chloroform	ND	2.00	"	"	"	"	"	"	
Chloromethane	ND	2.00	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.00	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.00	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.00	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.00	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.00	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.00	"	"	"	"	"	"	
1,3-Dichloropropene (cis + trans)	ND	2.00	"	"	"	"	"	"	
Ethylbenzene	ND	2.00	"	"	"	"	"	"	
2-Hexanone	ND	10.0	"	"	"	"	"	"	
Methylene chloride	ND	2.00	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	10.0	"	"	"	"	"	"	
Styrene	ND	2.00	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.00	"	"	"	"	"	"	
Tetrachloroethene	ND	2.00	"	"	"	"	"	"	
Toluene	ND	2.00	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.00	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.00	"	"	"	"	"	"	
Trichloroethene	ND	2.00	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.00	"	"	"	"	"	"	
Vinyl acetate	ND	2.00	"	"	"	"	"	"	
Vinyl chloride	ND	2.00	"	"	"	"	"	"	
Total Xylenes	ND	4.00	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*93.8 %*	*75.8-127*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*93.4 %*	*62.5-145*		"	"	"	"	
Surrogate: Toluene-d8		*104 %*	*76.6-130*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*	*68.9-123*		"	"	"	"	

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

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EQM	Project: OMC - Waukegan	
1800 Carillon Blvd.	Project Number: 3141-117	Reported:
Cincinnati, OH 45240	Project Manager: Jackie Doan	06/26/03 17:06

Polychlorinated Biphenyls by EPA Method 8082

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Belle Influent (B306335-01) Water Sampled: 06/18/03 11:45 Received: 06/18/03 12:00									
PCB-1016	ND	5.00	ug/l	10	3060436	06/19/03	06/23/03	EPA 8082	
PCB-1221	ND	5.00	"	"	"	"	"	"	
PCB-1232	ND	5.00	"	"	"	"	"	"	
PCB-1242	ND	5.00	"	"	"	"	"	"	
PCB-1248	**19.8**	5.00	"	"	"	"	06/24/03	"	
PCB-1254	ND	5.00	"	"	"	"	06/23/03	"	
PCB-1260	ND	5.00	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*122 %*		*10-110*	"	"	*06/20/03*	"	H
Surrogate: Decachlorobiphenyl		*%*		*10-140*	"	"	"	"	L
Belle Effluent (B306335-02) Water Sampled: 06/18/03 11:45 Received: 06/18/03 12:00									
PCB-1016	ND	5.00	ug/l	10	3060436	06/19/03	06/23/03	EPA 8082	
PCB-1221	ND	5.00	"	"	"	"	"	"	
PCB-1232	ND	5.00	"	"	"	"	"	"	
-1242	ND	5.00	"	"	"	"	"	"	
-1248	**9.00**	5.00	"	"	"	"	06/24/03	"	
PCB-1254	ND	5.00	"	"	"	"	06/23/03	"	
PCB-1260	ND	5.00	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*34.2 %*		*10-110*	"	"	*06/20/03*	"	
Surrogate: Decachlorobiphenyl		*18.9 %*		*10-140*	"	"	"	"	

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

GREAT LAKES ANALYTICAL

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(847) 808-7766 FAX (847) 808-7772

EQM	Project: OMC - Waukegan	
1800 Carillon Blvd.	Project Number: 3141-117	**Reported:**
Cincinnati, OH 45240	Project Manager: Jackie Doan	06/26/03 17:06

Semivolatile Organic Compounds by EPA Method 8270C

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Belle Influent (B306335-01) Water Sampled: 06/18/03 11:45 Received: 06/18/03 12:00									**QC**
Acenaphthene	ND	2.00	ug/l	1	3060493	06/20/03	06/26/03	EPA 8270C	
Acenaphthylene	ND	2.00	"	"	"	"	"	"	
Aniline	ND	2.00	"	"	"	"	"	"	
Anthracene	ND	2.00	"	"	"	"	"	"	
Benzoic acid	**29.5**	10.0	"	"	"	"	"	"	
Benz (a) anthracene	ND	2.00	"	"	"	"	"	"	
Benzo (a) pyrene	ND	2.00	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	2.00	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	2.00	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	2.00	"	"	"	"	"	"	
Benzyl alcohol	ND	2.00	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	2.00	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	2.00	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	2.00	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	**25.6**	10.0	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	2.00	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	2.00	"	"	"	"	"	"	
4-Chloroaniline	ND	2.00	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	2.00	"	"	"	"	"	"	
2-Chloronaphthalene	ND	2.00	"	"	"	"	"	"	
2-Chlorophenol	ND	2.00	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	2.00	"	"	"	"	"	"	
Chrysene	ND	2.00	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	2.00	"	"	"	"	"	"	
Dibenzofuran	ND	2.00	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.00	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.00	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.00	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	10.0	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	2.00	"	"	"	"	"	"	
Diethyl phthalate	ND	2.00	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	2.00	"	"	"	"	"	"	
Dimethyl phthalate	ND	2.00	"	"	"	"	"	"	
Di-n-butyl phthalate	**10.0**	10.0	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	10.0	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	10.0	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	2.00	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	2.00	"	"	"	"	"	"	
Di-n-octyl phthalate	**6.84**	2.00	"	"	"	"	"	"	
Fluoranthene	ND	2.00	"	"	"	"	"	"	
Fluorene	ND	2.00	"	"	"	"	"	"	
Hexachlorobenzene	ND	2.00	"	"	"	"	"	"	

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

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EQM	Project: OMC - Waukegan	
1800 Carillon Blvd.	Project Number: 3141-117	**Reported:**
Cincinnati, OH 45240	Project Manager: Jackie Doan	06/26/03 17:06

Semivolatile Organic Compounds by EPA Method 8270C

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Belle Influent (B306335-01) Water Sampled: 06/18/03 11:45 Received: 06/18/03 12:00									**QC**
Hexachlorobutadiene	ND	2.00	ug/l	1	3060493	06/20/03	06/26/03	EPA 8270C	
Hexachlorocyclopentadiene	ND	2.00	"	"	"	"	"	"	
Hexachloroethane	ND	2.00	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	2.00	"	"	"	"	"	"	
Isophorone	ND	2.00	"	"	"	"	"	"	
2-Methylnaphthalene	ND	2.00	"	"	"	"	"	"	
o-Cresol	ND	2.00	"	"	"	"	"	"	
m,p-Cresols	**15.5**	2.00	"	"	"	"	"	"	
Naphthalene	ND	2.00	"	"	"	"	"	"	
2-Nitroaniline	ND	10.0	"	"	"	"	"	"	
3-Nitroaniline	ND	10.0	"	"	"	"	"	"	
4-Nitroaniline	ND	10.0	"	"	"	"	"	"	
Nitrobenzene	ND	2.00	"	"	"	"	"	"	
2-Nitrophenol	ND	2.00	"	"	"	"	"	"	
4-Nitrophenol	ND	10.0	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	2.00	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	2.00	"	"	"	"	"	"	
Pentachlorophenol	ND	10.0	"	"	"	"	"	"	
Phenanthrene	ND	2.00	"	"	"	"	"	"	
Phenol	**111**	4.00	"	2	"	"	06/26/03	"	
Pyrene	ND	2.00	"	1	"	"	06/26/03	"	
1,2,4-Trichlorobenzene	ND	2.00	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	10.0	"	"	"	"	"	"	
2,4,6-Trichlorophenol	**5.17**	2.00	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		*12.2 %*	*10-110*		"	"	"	"	
Surrogate: Phenol-d6		*8.37 %*	*10-110*		"	"	"	"	L
Surrogate: Nitrobenzene-d5		*78.8 %*	*31.4-110*		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*41.2 %*	*10-110*		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*58.2 %*	*10-110*		"	"	"	"	
Surrogate: p-Terphenyl-d14		*42.0 %*	*10-147*		"	"	"	"	

Great Lakes Analytical--Buffalo Grove

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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 06/26/03 17:06

Semivolatile Organic Compounds by EPA Method 8270C

Great Lakes Analytical–Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Belle Effluent (B306335-02) Water Sampled: 06/18/03 11:45 Received: 06/18/03 12:00									**QC**
Acenaphthene	ND	2.00	ug/l	1	3060493	06/20/03	06/26/03	EPA 8270C	
Acenaphthylene	ND	2.00	"	"	"	"	"	"	
Aniline	ND	2.00	"	"	"	"	"	"	
Anthracene	ND	2.00	"	"	"	"	"	"	
Benzoic acid	ND	10.0	"	"	"	"	"	"	
Benz (a) anthracene	ND	2.00	"	"	"	"	"	"	
Benzo (a) pyrene	ND	2.00	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	2.00	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	2.00	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	2.00	"	"	"	"	"	"	
Benzyl alcohol	ND	2.00	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	2.00	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	2.00	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	2.00	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	**17.1**	10.0	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	2.00	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	2.00	"	"	"	"	"	"	
4-Chloroaniline	ND	2.00	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	2.00	"	"	"	"	"	"	
2-Chloronaphthalene	ND	2.00	"	"	"	"	"	"	
2-Chlorophenol	ND	2.00	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	2.00	"	"	"	"	"	"	
Chrysene	ND	2.00	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	2.00	"	"	"	"	"	"	
Dibenzofuran	ND	2.00	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.00	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.00	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.00	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	10.0	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	2.00	"	"	"	"	"	"	
Diethyl phthalate	ND	2.00	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	2.00	"	"	"	"	"	"	
Dimethyl phthalate	ND	2.00	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	10.0	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	10.0	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	10.0	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	2.00	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	2.00	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	2.00	"	"	"	"	"	"	
Fluoranthene	ND	2.00	"	"	"	"	"	"	
Fluorene	ND	2.00	"	"	"	"	"	"	
Hexachlorobenzene	ND	2.00	"	"	"	"	"	"	

Great Lakes Analytical--Buffalo Grove

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EQM	Project: OMC - Waukegan	
1800 Carillon Blvd.	Project Number: 3141-117	Reported:
Cincinnati, OH 45240	Project Manager: Jackie Doan	06/26/03 17:06

Semivolatile Organic Compounds by EPA Method 8270C

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Belle Effluent (B306335-02) Water Sampled: 06/18/03 11:45 Received: 06/18/03 12:00									**QC**
Hexachlorobutadiene	ND	2.00	ug/l	1	3060493	06/20/03	06/26/03	EPA 8270C	
Hexachlorocyclopentadiene	ND	2.00	"	"	"	"	"	"	
Hexachloroethane	ND	2.00	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	2.00	"	"	"	"	"	"	
Isophorone	ND	2.00	"	"	"	"	"	"	
2-Methylnaphthalene	ND	2.00	"	"	"	"	"	"	
o-Cresol	ND	2.00	"	"	"	"	"	"	
m,p-Cresols	ND	2.00	"	"	"	"	"	"	
Naphthalene	ND	2.00	"	"	"	"	"	"	
2-Nitroaniline	ND	10.0	"	"	"	"	"	"	
3-Nitroaniline	ND	10.0	"	"	"	"	"	"	
4-Nitroaniline	ND	10.0	"	"	"	"	"	"	
Nitrobenzene	ND	2.00	"	"	"	"	"	"	
2-Nitrophenol	ND	2.00	"	"	"	"	"	"	
[illegible]trophenol	ND	10.0	"	"	"	"	"	"	
[illegible]rosodi-n-propylamine	ND	2.00	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	2.00	"	"	"	"	"	"	
Pentachlorophenol	ND	10.0	"	"	"	"	"	"	
Phenanthrene	ND	2.00	"	"	"	"	"	"	
Phenol	ND	2.00	"	"	"	"	"	"	
Pyrene	ND	2.00	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.00	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	10.0	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	2.00	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		*4.43 %*	*10-110*		"	"	"	"	L
Surrogate: Phenol-d6		*4.24 %*	*10-110*		"	"	"	"	L
Surrogate: Nitrobenzene-d5		*76.5 %*	*31.4-110*		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*41.6 %*	*10-110*		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*23.7 %*	*10-110*		"	"	"	"	
Surrogate: p-Terphenyl-d14		*46.7 %*	*10-147*		"	"	"	"	

Great Lakes Analytical--Buffalo Grove

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Andy Johnson, Project Manager

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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 06/26/03 17:06

General Chemistry - Quality Control
Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3060448 - EPA 3510C										
Blank (3060448-BLK1)				Prepared: 06/19/03 Analyzed: 06/23/03						
Oil & Grease	ND	5.00	mg/l							
LCS (3060448-BS1)				Prepared: 06/19/03 Analyzed: 06/23/03						
Oil & Grease	24.9	5.00	mg/l	31.6		78.8	42.6-123			
LCS Dup (3060448-BSD1)				Prepared: 06/19/03 Analyzed: 06/23/03						
Oil & Grease	26.8	5.00	mg/l	31.6		84.8	42.6-123	7.35	52.4	

Great Lakes Analytical--Buffalo Grove

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EQM
1800 Carillon Blvd.
Cincinnati, OH 45240

Project: OMC - Waukegan
Project Number: 3141-117
Project Manager: Jackie Doan

Reported:
06/26/03 17:06

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3060508 - EPA 7470A										
Blank (3060508-BLK1)				Prepared & Analyzed: 06/23/03						
Mercury	ND	0.000200	mg/l							
LCS (3060508-BS1)				Prepared & Analyzed: 06/23/03						
Mercury	0.00178	0.000200	mg/l	0.00150		119	76.6-124			
Matrix Spike (3060508-MS1)		Source: B306335-01		Prepared & Analyzed: 06/23/03						
Mercury	0.00190	0.000200	mg/l	0.00150	0.000105	120	45.1-149			
Matrix Spike Dup (3060508-MSD1)		Source: B306335-01		Prepared & Analyzed: 06/23/03						
Mercury	0.00184	0.000200	mg/l	0.00150	0.000105	116	45.1-149	3.21	22.8	
Batch 3060511 - EPA 3010A										
Blank (3060511-BLK1)				Prepared & Analyzed: 06/23/03						
	ND	0.00500	mg/l							
Arsenic	ND	0.0500	"							
Barium	ND	0.500	"							
Cadmium	ND	0.00500	"							
Chromium	ND	0.0100	"							
Selenium	ND	0.0500	"							
Silver	ND	0.0500	"							
LCS (3060511-BS1)				Prepared & Analyzed: 06/23/03						
Lead	0.0250	0.00500	mg/l	0.0240		104	71.7-141			
Arsenic	1.87	0.0500	"	2.00		93.5	90-118			
Barium	4.12	0.500	"	4.00		103	90-115			
Cadmium	1.96	0.00500	"	2.00		98.0	90-117			
Chromium	3.67	0.0100	"	4.00		91.8	86.9-113			
Selenium	1.95	0.0500	"	2.00		97.5	88.4-114			
Silver	3.79	0.0500	"	4.00		94.8	61.6-136			

Great Lakes Analytical--Buffalo Grove

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Andy Johnson, Project Manager

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EQM	Project: OMC - Waukegan	
1800 Carillon Blvd.	Project Number: 3141-117	**Reported:**
Cincinnati, OH 45240	Project Manager: Jackie Doan	06/26/03 17:06

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3060511 - EPA 3010A										
Matrix Spike (3060511-MS1)		**Source: B306335-01**		Prepared & Analyzed: 06/23/03						
Lead	0.0518	0.00500	mg/l	0.0240	0.0317	83.8	17.2-176			
Arsenic	1.92	0.0500	"	2.00	ND	96.0	88.6-124			
Barium	4.27	0.500	"	4.00	ND	107	89.4-124			
Cadmium	1.98	0.00500	"	2.00	ND	99.0	79.5-127			
Chromium	3.69	0.0100	"	4.00	0.0130	91.9	79.9-120			
Selenium	2.00	0.0500	"	2.00	ND	100	87.3-122			
Silver	1.56	0.0500	"	4.00	ND	39.0	10-154			
Matrix Spike Dup (3060511-MSD1)		**Source: B306335-01**		Prepared & Analyzed: 06/23/03						
Lead	0.0510	0.00500	mg/l	0.0240	0.0317	80.4	17.2-176	1.56	33.7	
Arsenic	1.90	0.0500	"	2.00	ND	95.0	88.6-124	1.05	4.83	
Barium	4.14	0.500	"	4.00	ND	104	89.4-124	3.09	16	
Cadmium	2.00	0.00500	"	2.00	ND	100	79.5-127	1.01	17.1	
Chromium	3.74	0.0100	"	4.00	0.0130	93.2	79.9-120	1.35	17.7	
Selenium	1.98	0.0500	"	2.00	ND	99.0	87.3-122	1.01	6.91	
Silver	1.24	0.0500	"	4.00	ND	31.0	10-154	22.9	60.6	

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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 06/26/03 17:06

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3060476 - EPA 5030B (P/T)										
Blank (3060476-BLK1)				Prepared: 06/20/03 Analyzed: 06/23/03						
Acetone	29.0	10.0	ug/l							
Benzene	ND	2.00	"							
Bromodichloromethane	ND	2.00	"							
Bromoform	ND	2.00	"							
Bromomethane	ND	2.00	"							
2-Butanone	ND	10.0	"							
Carbon disulfide	ND	2.00	"							
Carbon tetrachloride	ND	2.00	"							
Chlorobenzene	ND	2.00	"							
Chlorodibromomethane	ND	2.00	"							
Chloroethane	ND	2.00	"							
[illegible] form	ND	2.00	"							
[illegible]omethane	ND	2.00	"							
1,1-Dichloroethane	ND	2.00	"							
1,2-Dichloroethane	ND	2.00	"							
1,1-Dichloroethene	ND	2.00	"							
cis-1,2-Dichloroethene	ND	2.00	"							
trans-1,2-Dichloroethene	ND	2.00	"							
1,2-Dichloropropane	ND	2.00	"							
1,3-Dichloropropene (cis + trans)	ND	2.00	"							
Ethylbenzene	ND	2.00	"							
2-Hexanone	ND	10.0	"							
Methylene chloride	ND	2.00	"							
4-Methyl-2-pentanone	ND	10.0	"							
Styrene	ND	2.00	"							
1,1,2,2-Tetrachloroethane	ND	2.00	"							
Tetrachloroethene	ND	2.00	"							
Toluene	ND	2.00	"							
1,1,1-Trichloroethane	ND	2.00	"							
1,1,2-Trichloroethane	ND	2.00	"							
Trichloroethene	ND	2.00	"							
Trichlorofluoromethane	ND	2.00	"							
Vinyl acetate	ND	2.00	"							
Vinyl chloride	ND	2.00	"							
Total Xylenes	ND	4.00	"							

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

GREAT LAKES ANALYTICAL

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EQM	Project: OMC - Waukegan	
1800 Carillon Blvd.	Project Number: 3141-117	**Reported:**
Cincinnati, OH 45240	Project Manager: Jackie Doan	06/26/03 17:06

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3060476 - EPA 5030B (P/T)										
Blank (3060476-BLK1)				Prepared: 06/20/03 Analyzed: 06/23/03						
Surrogate: Dibromofluoromethane	*50.6*		*ug/l*	*50.0*		*101*	*75.8-127*			
Surrogate: 1,2-Dichloroethane-d4	*48.5*		*"*	*50.0*		*97.0*	*62.5-145*			
Surrogate: Toluene-d8	*49.5*		*"*	*50.0*		*99.0*	*76.6-130*			
Surrogate: 4-Bromofluorobenzene	*50.4*		*"*	*50.0*		*101*	*68.9-123*			
LCS (3060476-BS1)				Prepared: 06/20/03 Analyzed: 06/23/03						
Acetone	77.9	10.0	ug/l	50.0		156	13.2-233			
Benzene	54.7	2.00	"	50.0		109	61.3-142			
Bromodichloromethane	58.4	2.00	"	50.0		117	65.9-162			
Bromoform	58.3	2.00	"	50.0		117	30.2-176			
Bromomethane	45.3	2.00	"	50.0		90.6	33.8-161			
2-Butanone	57.5	10.0	"	50.0		115	40.5-168			
Carbon disulfide	32.3	2.00	"	50.0		64.6	10-179			
Carbon tetrachloride	58.5	2.00	"	50.0		117	40.3-164			
Chlorobenzene	54.8	2.00	"	50.0		110	79.9-132			
Chlorodibromomethane	56.3	2.00	"	50.0		113	54-159			
Chloroethane	43.6	2.00	"	50.0		87.2	37.1-163			
Chloroform	54.5	2.00	"	50.0		109	78.6-132			
Chloromethane	48.3	2.00	"	50.0		96.6	34.3-158			
1,1-Dichloroethane	51.6	2.00	"	50.0		103	58.2-134			
1,2-Dichloroethane	53.6	2.00	"	50.0		107	73-136			
1,1-Dichloroethene	50.3	2.00	"	50.0		101	58-136			
cis-1,2-Dichloroethene	56.0	2.00	"	50.0		112	76.3-135			
trans-1,2-Dichloroethene	59.6	2.00	"	50.0		119	58.3-137			
1,2-Dichloropropane	55.7	2.00	"	50.0		111	65.9-147			
Ethylbenzene	53.8	2.00	"	50.0		108	78.4-130			
2-Hexanone	44.0	10.0	"	50.0		88.0	23.7-198			
Methylene chloride	54.9	2.00	"	50.0		110	52.2-142			
4-Methyl-2-pentanone	47.6	10.0	"	50.0		95.2	47.6-160			
Styrene	54.0	2.00	"	50.0		108	69.2-144			
1,1,2,2-Tetrachloroethane	53.2	2.00	"	50.0		106	40.3-164			
Tetrachloroethene	55.9	2.00	"	50.0		112	44.9-165			
Toluene	58.7	2.00	"	50.0		117	77.4-131			
1,1,1-Trichloroethane	57.1	2.00	"	50.0		114	66.6-143			
1,1,2-Trichloroethane	58.0	2.00	"	50.0		116	74.8-147			
Trichloroethene	56.5	2.00	"	50.0		113	46.7-169			

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

GREAT LAKES ANALYTICAL

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EQM	Project: OMC - Waukegan	
1800 Carillon Blvd.	Project Number: 3141-117	**Reported:**
Cincinnati, OH 45240	Project Manager: Jackie Doan	06/26/03 17:06

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3060476 - EPA 5030B (P/T)										
LCS (3060476-BS1)				Prepared: 06/20/03 Analyzed: 06/23/03						
Trichlorofluoromethane	13.4	2.00	ug/l	50.0		26.8	36-164			L
Vinyl acetate	64.4	2.00	"	50.0		129	10-231			
Vinyl chloride	51.8	2.00	"	50.0		104	51.5-146			
Total Xylenes	159	4.00	"	150		106	72.4-140			
Surrogate: Dibromofluoromethane	*44.4*		"	*50.0*		*88.8*	*75.8-127*			
Surrogate: 1,2-Dichloroethane-d4	*44.6*		"	*50.0*		*89.2*	*62.5-145*			
Surrogate: Toluene-d8	*50.2*		"	*50.0*		*100*	*76.6-130*			
Surrogate: 4-Bromofluorobenzene	*54.1*		"	*50.0*		*108*	*68.9-123*			
Matrix Spike (3060476-MS1)		**Source: B306276-01**		Prepared: 06/20/03 Analyzed: 06/21/03						
Acetone	94.7	10.0	ug/l	50.0	9.10	171	10-191			
B[illegible]ene	53.6	2.00	"	50.0	ND	107	39.3-165			
dichloromethane	51.8	2.00	"	50.0	ND	104	39.8-186			
Bromoform	56.4	2.00	"	50.0	ND	113	28.1-169			
Bromomethane	40.9	2.00	"	50.0	ND	81.8	33.2-164			
2-Butanone	64.3	10.0	"	50.0	ND	129	23.9-163			
Carbon disulfide	31.0	2.00	"	50.0	ND	62.0	10-170			
Carbon tetrachloride	45.0	2.00	"	50.0	ND	90.0	10-181			
Chlorobenzene	57.7	2.00	"	50.0	ND	115	56.1-150			
Chlorodibromomethane	58.1	2.00	"	50.0	ND	116	49-157			
Chloroethane	41.8	2.00	"	50.0	ND	83.6	36.1-168			
Chloroform	50.3	2.00	"	50.0	ND	101	67.5-142			
Chloromethane	55.6	2.00	"	50.0	ND	111	23.5-167			
1,1-Dichloroethane	56.0	2.00	"	50.0	ND	112	46.7-142			
1,2-Dichloroethane	49.3	2.00	"	50.0	ND	98.6	60.6-151			
1,1-Dichloroethene	51.1	2.00	"	50.0	ND	102	38.7-142			
cis-1,2-Dichloroethene	56.4	2.00	"	50.0	ND	113	49.2-155			
trans-1,2-Dichloroethene	53.2	2.00	"	50.0	ND	106	48-137			
1,2-Dichloropropane	58.6	2.00	"	50.0	ND	117	44.6-171			
Ethylbenzene	51.5	2.00	"	50.0	ND	103	56.1-144			
2-Hexanone	65.2	10.0	"	50.0	ND	130	41.3-171			
Methylene chloride	54.4	2.00	"	50.0	ND	109	41.9-154			
4-Methyl-2-pentanone	68.7	10.0	"	50.0	ND	137	35.8-175			
Styrene	52.8	2.00	"	50.0	ND	106	31.1-169			
1,1,2,2-Tetrachloroethane	79.2	2.00	"	50.0	ND	158	43.9-186			
[illegible]chloroethene	51.3	2.00	"	50.0	ND	103	29.1-160			

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 06/26/03 17:06

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3060476 - EPA 5030B (P/T)										
Matrix Spike (3060476-MS1)		**Source: B306276-01**		Prepared: 06/20/03		Analyzed: 06/21/03				
Toluene	51.8	2.00	ug/l	50.0	ND	104	56.2-152			
1,1,1-Trichloroethane	45.0	2.00	"	50.0	ND	90.0	42.2-152			
1,1,2-Trichloroethane	66.5	2.00	"	50.0	ND	133	69.5-155			
Trichloroethene	53.3	2.00	"	50.0	ND	107	13.5-180			
Trichlorofluoromethane	57.9	2.00	"	50.0	ND	116	12-173			
Vinyl acetate	63.0	2.00	"	50.0	ND	126	10-249			
Vinyl chloride	49.9	2.00	"	50.0	ND	99.8	21.5-165			
Total Xylenes	147	4.00	"	150	ND	98.0	42.9-164			
Surrogate: Dibromofluoromethane	*49.7*		"	*50.0*		*99.4*	*75.8-127*			
Surrogate: 1,2-Dichloroethane-d4	*47.6*		"	*50.0*		*95.2*	*62.5-145*			
Surrogate: Toluene-d8	*50.1*		"	*50.0*		*100*	*76.6-130*			
Surrogate: 4-Bromofluorobenzene	*47.0*		"	*50.0*		*94.0*	*68.9-123*			
Matrix Spike Dup (3060476-MSD1)		**Source: B306276-01**		Prepared: 06/20/03		Analyzed: 06/23/03				
Acetone	81.2	10.0	ug/l	50.0	9.10	144	10-191	15.3	53.4	
Benzene	51.8	2.00	"	50.0	ND	104	39.3-165	3.42	38.2	
Bromodichloromethane	56.1	2.00	"	50.0	ND	112	39.8-186	7.97	34.2	
Bromoform	55.7	2.00	"	50.0	ND	111	28.1-169	1.25	35.5	
Bromomethane	44.0	2.00	"	50.0	ND	88.0	33.2-164	7.30	33.8	
2-Butanone	50.6	10.0	"	50.0	ND	101	23.9-163	23.8	42.7	
Carbon disulfide	30.5	2.00	"	50.0	ND	61.0	10-170	1.63	25.3	
Carbon tetrachloride	52.2	2.00	"	50.0	ND	104	10-181	14.8	37.5	
Chlorobenzene	50.3	2.00	"	50.0	ND	101	56.1-150	13.7	17.5	
Chlorodibromomethane	54.8	2.00	"	50.0	ND	110	49-157	5.85	29	
Chloroethane	44.4	2.00	"	50.0	ND	88.8	36.1-168	6.03	46	
Chloroform	53.7	2.00	"	50.0	ND	107	67.5-142	6.54	17.5	
Chloromethane	55.3	2.00	"	50.0	ND	111	23.5-167	0.541	33.8	
1,1-Dichloroethane	54.6	2.00	"	50.0	ND	109	46.7-142	2.53	19.9	
1,2-Dichloroethane	51.6	2.00	"	50.0	ND	103	60.6-151	4.56	16.9	
1,1-Dichloroethene	49.2	2.00	"	50.0	ND	98.4	38.7-142	3.79	23.5	
cis-1,2-Dichloroethene	54.0	2.00	"	50.0	ND	108	49.2-155	4.35	18.6	
trans-1,2-Dichloroethene	53.8	2.00	"	50.0	ND	108	48-137	1.12	20.1	
1,2-Dichloropropane	54.5	2.00	"	50.0	ND	109	44.6-171	7.25	32.4	
Ethylbenzene	48.8	2.00	"	50.0	ND	97.6	56.1-144	5.38	24	
2-Hexanone	51.8	10.0	"	50.0	ND	104	41.3-171	22.9	44.7	
Methylene chloride	54.3	2.00	"	50.0	ND	109	41.9-154	0.184	23.8	

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 06/26/03 17:06

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3060476 - EPA 5030B (P/T)										
Matrix Spike Dup (3060476-MSD1)		**Source: B306276-01**		Prepared: 06/20/03 Analyzed: 06/23/03						
4-Methyl-2-pentanone	45.4	10.0	ug/l	50.0	ND	90.8	35.8-175	40.8	38.6	H
Styrene	47.2	2.00	"	50.0	ND	94.4	31.1-169	11.2	46.4	
1,1,2,2-Tetrachloroethane	53.1	2.00	"	50.0	ND	106	43.9-186	39.5	33.3	H
Tetrachloroethene	47.6	2.00	"	50.0	ND	95.2	29.1-160	7.48	32.3	
Toluene	53.3	2.00	"	50.0	ND	107	56.2-152	2.85	28.6	
1,1,1-Trichloroethane	53.7	2.00	"	50.0	ND	107	42.2-152	17.6	20.1	
1,1,2-Trichloroethane	55.3	2.00	"	50.0	ND	111	69.5-155	18.4	29.2	
Trichloroethene	49.7	2.00	"	50.0	ND	99.4	13.5-180	6.99	34.1	
Trichlorofluoromethane	61.6	2.00	"	50.0	ND	123	12-173	6.19	39.7	
Vinyl acetate	24.5	2.00	"	50.0	ND	49.0	10-249	88.0	86.9	H
Vinyl chloride	54.5	2.00	"	50.0	ND	109	21.5-165	8.81	54.1	
Xylenes	142	4.00	"	150	ND	94.7	42.9-164	3.46	30.2	
Surrogate: Dibromofluoromethane	*57.6*		"	*50.0*		*115*	*75.8-127*			
Surrogate: 1,2-Dichloroethane-d4	*50.5*		"	*50.0*		*101*	*62.5-145*			
Surrogate: Toluene-d8	*50.0*		"	*50.0*		*100*	*76.6-130*			
Surrogate: 4-Bromofluorobenzene	*56.1*		"	*50.0*		*112*	*68.9-123*			

Great Lakes Analytical--Buffalo Grove

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Andy Johnson, Project Manager

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EQM	Project: OMC - Waukegan	
1800 Carillon Blvd.	Project Number: 3141-117	Reported:
Cincinnati, OH 45240	Project Manager: Jackie Doan	06/26/03 17:06

Polychlorinated Biphenyls by EPA Method 8082 - Quality Control

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3060436 - EPA 3510C										
Blank (3060436-BLK1)				Prepared: 06/19/03 Analyzed: 06/20/03						
PCB-1016	ND	0.500	ug/l							
PCB-1221	ND	0.500	"							
PCB-1232	ND	0.500	"							
PCB-1242	ND	0.500	"							
PCB-1248	ND	0.500	"							
PCB-1254	ND	0.500	"							
PCB-1260	ND	0.500	"							
Surrogate: Tetrachloro-meta-xylene	*0.329*		"	*1.00*		*32.9*	*10-110*			
Surrogate: Decachlorobiphenyl	*0.336*		"	*1.00*		*33.6*	*10-140*			
LCS (3060436-BS1)				Prepared: 06/19/03 Analyzed: 06/20/03						
PCB-1016	3.16	0.500	ug/l	10.0		31.6	21.8-110			
PCB-1260	3.48	0.500	"	10.0		34.8	22-113			
Surrogate: Tetrachloro-meta-xylene	*0.546*		"	*1.00*		*54.6*	*10-110*			
Surrogate: Decachlorobiphenyl	*0.470*		"	*1.00*		*47.0*	*10-140*			
LCS Dup (3060436-BSD1)				Prepared: 06/19/03 Analyzed: 06/20/03						
PCB-1016	2.43	0.500	ug/l	10.0		24.3	21.8-110	26.1	71	
PCB-1260	2.69	0.500	"	10.0		26.9	22-113	25.6	86.3	
Surrogate: Tetrachloro-meta-xylene	*0.318*		"	*1.00*		*31.8*	*10-110*			
Surrogate: Decachlorobiphenyl	*0.270*		"	*1.00*		*27.0*	*10-140*			

Great Lakes Analytical--Buffalo Grove

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EQM	Project: OMC - Waukegan	
1800 Carillon Blvd.	Project Number: 3141-117	Reported:
Cincinnati, OH 45240	Project Manager: Jackie Doan	06/26/03 17:06

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3060493 - EPA 3510C										
Blank (3060493-BLK1)				Prepared: 06/20/03 Analyzed: 06/26/03						
Acenaphthene	ND	2.00	ug/l							
Acenaphthylene	ND	2.00	"							
Aniline	ND	2.00	"							
Anthracene	ND	2.00	"							
Benzoic acid	ND	10.0	"							
Benz (a) anthracene	ND	2.00	"							
Benzo (a) pyrene	ND	2.00	"							
Benzo (b) fluoranthene	ND	2.00	"							
Benzo (ghi) perylene	ND	2.00	"							
Benzo (k) fluoranthene	ND	2.00	"							
Benzyl alcohol	ND	2.00	"							
[illegible]hloroethoxy)methane	ND	2.00	"							
B[illegible]chloroethyl)ether	ND	2.00	"							
Bis(2-chloroisopropyl)ether	ND	2.00	"							
Bis(2-ethylhexyl)phthalate	ND	10.0	"							
4-Bromophenyl phenyl ether	ND	2.00	"							
Butyl benzyl phthalate	ND	2.00	"							
4-Chloroaniline	ND	2.00	"							
4-Chloro-3-methylphenol	ND	2.00	"							
2-Chloronaphthalene	ND	2.00	"							
2-Chlorophenol	ND	2.00	"							
4-Chlorophenyl phenyl ether	ND	2.00	"							
Chrysene	ND	2.00	"							
Dibenz (a,h) anthracene	ND	2.00	"							
Dibenzofuran	ND	2.00	"							
1,2-Dichlorobenzene	ND	2.00	"							
1,3-Dichlorobenzene	ND	2.00	"							
1,4-Dichlorobenzene	ND	2.00	"							
3,3'-Dichlorobenzidine	ND	10.0	"							
2,4-Dichlorophenol	ND	2.00	"							
Diethyl phthalate	ND	2.00	"							
2,4-Dimethylphenol	ND	2.00	"							
Dimethyl phthalate	ND	2.00	"							
Di-n-butyl phthalate	ND	10.0	"							
4,6-Dinitro-2-methylphenol	ND	10.0	"							

Great Lakes Analytical--Buffalo Grove

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Andy Johnson, Project Manager

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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 06/26/03 17:06

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3060493 - EPA 3510C										
Blank (3060493-BLK1)				Prepared: 06/20/03 Analyzed: 06/26/03						
2,4-Dinitrophenol	ND	10.0	ug/l							
2,4-Dinitrotoluene	ND	2.00	"							
2,6-Dinitrotoluene	ND	2.00	"							
Di-n-octyl phthalate	ND	2.00	"							
Fluoranthene	ND	2.00	"							
Fluorene	ND	2.00	"							
Hexachlorobenzene	ND	2.00	"							
Hexachlorobutadiene	ND	2.00	"							
Hexachlorocyclopentadiene	ND	2.00	"							
Hexachloroethane	ND	2.00	"							
Indeno (1,2,3-cd) pyrene	ND	2.00	"							
Isophorone	ND	2.00	"							
2-Methylnaphthalene	ND	2.00	"							
o-Cresol	ND	2.00	"							
m,p-Cresols	ND	2.00	"							
Naphthalene	ND	2.00	"							
2-Nitroaniline	ND	10.0	"							
3-Nitroaniline	ND	10.0	"							
4-Nitroaniline	ND	10.0	"							
Nitrobenzene	ND	2.00	"							
2-Nitrophenol	ND	2.00	"							
4-Nitrophenol	ND	10.0	"							
N-Nitrosodi-n-propylamine	ND	2.00	"							
N-Nitrosodiphenylamine	ND	2.00	"							
Pentachlorophenol	ND	10.0	"							
Phenanthrene	ND	2.00	"							
Phenol	ND	2.00	"							
Pyrene	ND	2.00	"							
1,2,4-Trichlorobenzene	ND	2.00	"							
2,4,5-Trichlorophenol	ND	10.0	"							
2,4,6-Trichlorophenol	ND	2.00	"							
Surrogate: 2-Fluorophenol	*11.9*		"	*52.1*		*22.8*	*10-110*			
Surrogate: Phenol-d6	*6.82*		"	*52.1*		*13.1*	*10-110*			
Surrogate: Nitrobenzene-d5	*20.0*		"	*26.0*		*76.9*	*31.4-110*			
Surrogate: 2-Fluorobiphenyl	*10.4*		"	*26.0*		*40.0*	*10-110*			

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	Reported: 06/26/03 17:06

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3060493 - EPA 3510C										
Blank (3060493-BLK1)				Prepared: 06/20/03 Analyzed: 06/26/03						
Surrogate: 2,4,6-Tribromophenol	*27.9*		*ug/l*	*52.1*		*53.6*	*10-110*			
Surrogate: p-Terphenyl-d14	*13.1*		*"*	*26.0*		*50.4*	*10-147*			
LCS (3060493-BS1)				Prepared: 06/20/03 Analyzed: 06/26/03						
Acenaphthene	13.1	2.00	ug/l	25.0		52.4	10-114			
Acenaphthylene	13.0	2.00	"	25.0		52.0	13.6-114			
Aniline	8.48	2.00	"	25.0		33.9	10-110			
Anthracene	13.2	2.00	"	25.0		52.8	14.7-115			
Benzoic acid	20.9	10.0	"	25.0		83.6	10-110			
Benz (a) anthracene	14.0	2.00	"	25.0		56.0	20.5-124			
Benzo (a) pyrene	13.4	2.00	"	25.0		53.6	17.2-121			
[illegible] (b) fluoranthene	14.1	2.00	"	25.0		56.4	13.6-136			
(ghi) perylene	12.8	2.00	"	25.0		51.2	10-164			
Benzo (k) fluoranthene	14.0	2.00	"	25.0		56.0	13.2-128			
Benzyl alcohol	11.8	2.00	"	25.0		47.2	10-110			
Bis(2-chloroethoxy)methane	13.6	2.00	"	25.0		54.4	14.4-112			
Bis(2-chloroethyl)ether	14.8	2.00	"	25.0		59.2	11.5-110			
Bis(2-chloroisopropyl)ether	14.1	2.00	"	25.0		56.4	10-113			
Bis(2-ethylhexyl)phthalate	15.3	10.0	"	25.0		61.2	10-159			
4-Bromophenyl phenyl ether	13.3	2.00	"	25.0		53.2	14.6-118			
Butyl benzyl phthalate	14.8	2.00	"	25.0		59.2	10-164			
4-Chloroaniline	12.7	2.00	"	25.0		50.8	10-110			
4-Chloro-3-methylphenol	17.4	2.00	"	25.0		69.6	10.8-113			
2-Chloronaphthalene	12.0	2.00	"	25.0		48.0	10-110			
2-Chlorophenol	15.4	2.00	"	25.0		61.6	11.4-110			
4-Chlorophenyl phenyl ether	13.5	2.00	"	25.0		54.0	12.6-117			
Chrysene	13.9	2.00	"	25.0		55.6	10-110			
Dibenz (a,h) anthracene	13.2	2.00	"	25.0		52.8	10-148			
Dibenzofuran	13.4	2.00	"	25.0		53.6	10.2-116			
1,2-Dichlorobenzene	11.9	2.00	"	25.0		47.6	10-110			
1,3-Dichlorobenzene	10.5	2.00	"	25.0		42.0	10-110			
1,4-Dichlorobenzene	10.9	2.00	"	25.0		43.6	10-110			
3,3'-Dichlorobenzidine	13.6	10.0	"	25.0		54.4	10-110			
2,4-Dichlorophenol	16.0	2.00	"	25.0		64.0	10.2-112			
Diethyl phthalate	14.8	2.00	"	25.0		59.2	16.2-121			
Dimethylphenol	7.74	2.00	"	25.0		31.0	10-110			

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

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EQM	Project: OMC - Waukegan	
1800 Carillon Blvd.	Project Number: 3141-117	**Reported:**
Cincinnati, OH 45240	Project Manager: Jackie Doan	06/26/03 17:06

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3060493 - EPA 3510C										
LCS (3060493-BS1)				Prepared: 06/20/03 Analyzed: 06/26/03						
Dimethyl phthalate	14.2	2.00	"	25.0		56.8	18-122			
Di-n-butyl phthalate	15.2	10.0	"	25.0		60.8	20-120			
4,6-Dinitro-2-methylphenol	20.3	10.0	"	25.0		81.2	10-129			
2,4-Dinitrophenol	16.0	10.0	"	25.0		64.0	10-123			
2,4-Dinitrotoluene	33.2	2.00	"	25.0		133	12.5-126			H
2,6-Dinitrotoluene	28.6	2.00	"	25.0		114	14.3-127			
Di-n-octyl phthalate	15.8	2.00	"	25.0		63.2	16-122			
Fluoranthene	14.3	2.00	"	25.0		57.2	16.1-118			
Fluorene	13.9	2.00	"	25.0		55.6	13.4-115			
Hexachlorobenzene	13.8	2.00	"	25.0		55.2	12.6-116			
Hexachlorobutadiene	6.80	2.00	"	25.0		27.2	10-110			
Hexachlorocyclopentadiene	5.22	2.00	"	25.0		20.9	10-110			
Hexachloroethane	7.80	2.00	"	25.0		31.2	10-110			
Indeno (1,2,3-cd) pyrene	13.4	2.00	"	25.0		53.6	10-155			
Isophorone	14.2	2.00	"	25.0		56.8	11.5-110			
2-Methylnaphthalene	12.6	2.00	"	25.0		50.4	10-110			
o-Cresol	11.2	2.00	"	25.0		44.8	10-110			
m,p-Cresols	10.9	2.00	"	25.0		43.6	10-110			
Naphthalene	12.1	2.00	"	25.0		48.4	10-110			
2-Nitroaniline	31.3	10.0	"	25.0		125	13.8-126			
3-Nitroaniline	23.8	10.0	"	25.0		95.2	17-110			
4-Nitroaniline	22.2	10.0	"	25.0		88.8	16.8-115			
Nitrobenzene	20.3	2.00	"	25.0		81.2	11.1-112			
2-Nitrophenol	34.2	2.00	"	25.0		137	10-114			H
4-Nitrophenol	9.24	1.00	"	25.0		37.0	10-110			
N-Nitrosodi-n-propylamine	15.9	2.00	"	25.0		63.6	11.3-113			
N-Nitrosodiphenylamine	13.0	2.00	"	25.0		52.0	15.4-110			
Pentachlorophenol	18.3	10.0	"	25.0		73.2	10-123			
Phenanthrene	13.6	2.00	"	25.0		54.4	16.9-116			
Phenol	4.74	2.00	"	25.0		19.0	10-110			
Pyrene	13.6	2.00	"	25.0		54.4	10-173			
1,2,4-Trichlorobenzene	10.3	2.00	"	25.0		41.2	10-110			
2,4,5-Trichlorophenol	19.7	10.0	"	25.0		78.8	10-124			
2,4,6-Trichlorophenol	16.0	2.00	"	25.0		64.0	10-130			
Surrogate: 2-Fluorophenol	*13.4*		"	*50.0*		*26.8*	*10-110*			

Great Lakes Analytical--Buffalo Grove

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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 06/26/03 17:06

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3060493 - EPA 3510C										
LCS (3060493-BS1)				Prepared: 06/20/03 Analyzed: 06/26/03						
Surrogate: Phenol-d6	*8.54*		*ug/l*	*50.0*		*17.1*	*10-110*			
Surrogate: Nitrobenzene-d5	*27.6*		*"*	*25.0*		*110*	*31.4-110*			
Surrogate: 2-Fluorobiphenyl	*15.5*		*"*	*25.0*		*62.0*	*10-110*			
Surrogate: 2,4,6-Tribromophenol	*34.9*		*"*	*50.0*		*69.8*	*10-110*			
Surrogate: p-Terphenyl-d14	*16.8*		*"*	*25.0*		*67.2*	*10-147*			
LCS Dup (3060493-BSD1)				Prepared: 06/20/03 Analyzed: 06/26/03						
Acenaphthene	8.19	2.00	ug/l	26.0		31.5	10-114	46.1	45.3	H
Acenaphthylene	7.93	2.00	"	26.0		30.5	13.6-114	48.4	44.4	H
Aniline	6.81	2.00	"	26.0		26.2	10-110	21.8	64.2	
Anthracene	8.23	2.00	"	26.0		31.7	14.7-115	46.4	41.7	H
Benzoic acid	ND	10.0	"	26.0			10-110		58.8	L
[illegible]) anthracene	8.81	2.00	"	26.0		33.9	20.5-124	45.5	41.1	H
Be[illegible] (a) pyrene	8.39	2.00	"	26.0		32.3	17.2-121	46.0	43.3	H
Benzo (b) fluoranthene	8.95	2.00	"	26.0		34.4	13.6-136	44.7	46.4	
Benzo (ghi) perylene	8.31	2.00	"	26.0		32.0	10-164	42.5	66.6	
Benzo (k) fluoranthene	8.79	2.00	"	26.0		33.8	13.2-128	45.7	45.6	H
Benzyl alcohol	8.79	2.00	"	26.0		33.8	10-110	29.2	42.1	
Bis(2-chloroethoxy)methane	8.40	2.00	"	26.0		32.3	14.4-112	47.3	40.5	H
Bis(2-chloroethyl)ether	9.00	2.00	"	26.0		34.6	11.5-110	48.7	37.9	H
Bis(2-chloroisopropyl)ether	7.95	2.00	"	26.0		30.6	10-113	55.8	38.8	H
Bis(2-ethylhexyl)phthalate	10.9	10.0	"	26.0		41.9	10-159	33.6	42.4	
4-Bromophenyl phenyl ether	8.27	2.00	"	26.0		31.8	14.6-118	46.6	42.3	H
Butyl benzyl phthalate	9.18	2.00	"	26.0		35.3	10-164	46.9	43	H
4-Chloroaniline	11.4	2.00	"	26.0		43.8	10-110	10.8	49.6	
4-Chloro-3-methylphenol	13.3	2.00	"	26.0		51.2	10.8-113	26.7	43.2	
2-Chloronaphthalene	7.29	2.00	"	26.0		28.0	10-110	48.8	42.9	H
2-Chlorophenol	10.8	2.00	"	26.0		41.5	11.4-110	35.1	36.4	
4-Chlorophenyl phenyl ether	8.94	2.00	"	26.0		34.4	12.6-117	40.6	42.4	
Chrysene	8.92	2.00	"	26.0		34.3	10-110	43.6	41.5	H
Dibenz (a,h) anthracene	8.51	2.00	"	26.0		32.7	10-148	43.2	57.6	
Dibenzofuran	8.53	2.00	"	26.0		32.8	10.2-116	44.4	44.3	H
1,2-Dichlorobenzene	6.12	2.00	"	26.0		23.5	10-110	64.2	40.1	H
1,3-Dichlorobenzene	5.67	2.00	"	26.0		21.8	10-110	59.7	44.6	H
1,4-Dichlorobenzene	5.77	2.00	"	26.0		22.2	10-110	61.5	42.8	H
[illegible] Dichlorobenzidine	9.68	1.00	"	26.0		37.2	10-110	33.7	48.5	

Great Lakes Analytical--Buffalo Grove

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EQM	Project: OMC - Waukegan	
1800 Carillon Blvd.	Project Number: 3141-117	Reported:
Cincinnati, OH 45240	Project Manager: Jackie Doan	06/26/03 17:06

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3060493 - EPA 3510C										
LCS Dup (3060493-BSD1)				Prepared: 06/20/03 Analyzed: 06/26/03						
2,4-Dichlorophenol	11.4	2.00	ug/l	26.0		43.8	10.2-112	33.6	40.8	
Diethyl phthalate	9.52	2.00	"	26.0		36.6	16.2-121	43.4	42.6	H
2,4-Dimethylphenol	5.34	2.00	"	26.0		20.5	10-110	36.7	40.2	
Dimethyl phthalate	8.95	2.00	"	26.0		34.4	18-122	45.4	42.3	H
Di-n-butyl phthalate	9.88	1.00	"	26.0		38.0	20-120	42.4	39.6	H
4,6-Dinitro-2-methylphenol	ND	10.0	"	26.0			10-129		91.3	L
2,4-Dinitrophenol	ND	10.0	"	26.0			10-123		76.5	L
2,4-Dinitrotoluene	25.5	2.00	"	26.0		98.1	12.5-126	26.2	41	
2,6-Dinitrotoluene	21.4	2.00	"	26.0		82.3	14.3-127	28.8	41	
Di-n-octyl phthalate	11.6	2.00	"	26.0		44.6	16-122	30.7	43.5	
Fluoranthene	9.40	2.00	"	26.0		36.2	16.1-118	41.4	42.4	
Fluorene	8.93	2.00	"	26.0		34.3	13.4-115	43.5	43.9	
Hexachlorobenzene	8.68	2.00	"	26.0		33.4	12.6-116	45.6	38.1	H
Hexachlorobutadiene	4.21	2.00	"	26.0		16.2	10-110	47.0	51.4	
Hexachlorocyclopentadiene	4.40	2.00	"	26.0		16.9	10-110	17.0	77.7	
Hexachloroethane	4.35	2.00	"	26.0		16.7	10-110	56.8	47.8	H
Indeno (1,2,3-cd) pyrene	8.53	2.00	"	26.0		32.8	10-155	44.4	65.1	
Isophorone	8.78	2.00	"	26.0		33.8	11.5-110	47.2	42.3	H
2-Methylnaphthalene	7.72	2.00	"	26.0		29.7	10-110	48.0	41.4	H
o-Cresol	8.08	2.00	"	26.0		31.1	10-110	32.4	39.6	
m,p-Cresols	7.78	2.00	"	26.0		29.9	10-110	33.4	47.1	
Naphthalene	7.03	2.00	"	26.0		27.0	10-110	53.0	42.7	H
2-Nitroaniline	23.7	10.0	"	26.0		91.2	13.8-126	27.6	43.3	
3-Nitroaniline	21.4	10.0	"	26.0		82.3	17-110	10.6	43.8	
4-Nitroaniline	19.2	10.0	"	26.0		73.8	16.8-115	14.5	42.9	
Nitrobenzene	12.9	2.00	"	26.0		49.6	11.1-112	44.6	39.9	H
2-Nitrophenol	25.1	2.00	"	26.0		96.5	10-114	30.7	54.5	
4-Nitrophenol	8.03	1.00	"	26.0		30.9	10-110	14.0	51.2	
N-Nitrosodi-n-propylamine	9.33	2.00	"	26.0		35.9	11.3-113	52.1	41.3	H
N-Nitrosodiphenylamine	7.60	2.00	"	26.0		29.2	15.4-110	52.4	41.8	H
Pentachlorophenol	14.4	10.0	"	26.0		55.4	10-123	23.9	81.6	
Phenanthrene	8.75	2.00	"	26.0		33.7	16.9-116	43.4	41.9	H
Phenol	3.41	2.00	"	26.0		13.1	10-110	32.6	64.6	
Pyrene	8.30	2.00	"	26.0		31.9	10-173	48.4	47.7	H
1,2,4-Trichlorobenzene	5.95	2.00	"	26.0		22.9	10-110	53.5	42.3	H

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

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EQM	Project: OMC - Waukegan	
1800 Carillon Blvd.	Project Number: 3141-117	**Reported:**
Cincinnati, OH 45240	Project Manager: Jackie Doan	06/26/03 17:06

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3060493 - EPA 3510C										
LCS Dup (3060493-BSD1)				Prepared: 06/20/03 Analyzed: 06/26/03						
2,4,5-Trichlorophenol	15.0	10.0	ug/l	26.0		57.7	10-124	27.1	50.3	
2,4,6-Trichlorophenol	11.2	2.00	"	26.0		43.1	10-130	35.3	55.5	
Surrogate: 2-Fluorophenol	*10.7*		"	*52.1*		*20.5*	*10-110*			
Surrogate: Phenol-d6	*6.45*		"	*52.1*		*12.4*	*10-110*			
Surrogate: Nitrobenzene-d5	*17.5*		"	*26.0*		*67.3*	*31.4-110*			
Surrogate: 2-Fluorobiphenyl	*9.33*		"	*26.0*		*35.9*	*10-110*			
Surrogate: 2,4,6-Tribromophenol	*22.8*		"	*52.1*		*43.8*	*10-110*			
Surrogate: p-Terphenyl-d14	*10.8*		"	*26.0*		*41.5*	*10-147*			

Great Lakes Analytical--Buffalo Grove

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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 06/26/03 17:06

Notes and Definitions

A	The concentration of the analyte detected in the sample is characteristic of a laboratory artifact.
B	The method blank associated with this sample contains 29.0 ug/L of this analyte.
QC	The result for one or more quality control measurements associated with this sample did not meet the laboratory and/or source method acceptance criteria.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
L	This quality control measurement is below the laboratory established limit.
H	This quality control measurement is above the laboratory established limit.

Great Lakes Analytical--Buffalo Grove Wisconsin DNR Certification Lab ID: 999917160

Great Lakes Analytical--Buffalo Grove NELAP Primary Accreditation: Illinois #100261

Great Lakes Analytical--Buffalo Grove NELAP Secondary Accreditation: New Jersey #IL001

Great Lakes Analytical--Oak Creek, WI Wisconsin DNR Certification Lab ID: 341000330

Great Lakes Analytical--Buffalo Grove

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Environmental Quality Management, Inc.
Chain of Custody Record

COC Tracking: EQ- 11197

Project No.: 3141-117

Project Name: OMC Waukegan

Samplers/Affiliation: (Print Name and Sign) Ken Brown for EQM Ken Brown

Lab P.O. No:

Sample ID:	Date	Time	Description/Matrix:	Sample Volume / Comments	No. of Containers	SVOCs 8270	VOCs (8260)	OPG	PCBs 8082	METALS							
BELLE INFLUENT	6/18/03	1145	WATER		8	X	X	X	X	X		B3061335-01					
BELLE EFFLUENT	6/18/03	1145	WATER		8	X	X	X	X	X						02	

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Kenneth Brown	6/18/03	1200	[illegible]	6/18/03	[illegible]
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
			[illegible]	6/19/03	610
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Ship To: JACKIE DOAN EQM
1800 CARILLON BLVD
CINCINNATI, OH 45240
FAX 513-825-7495
AND 847-782-0658

Airbill Number

Reporting/QA Requirements:

Turn Around Time (EXACT DUE DATE): 6/23/03 3-DAY RUSH

Report To:

Chain of Custody Seal Numbers

Distribution: White - Accompanying Shipment Pink - Project Files Yellow - Laboratory File

06/26/03 17:11 FAX 847 808 7112 GREAT LAKES ANALYTICAL

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

30 June 2003

Jackie Doan
EQM
1800 Carillon Blvd.
Cincinnati, OH 45240
RE: OMC - Waukegan

Enclosed are the results of analyses for samples received by the laboratory on 06/23/03. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Great Lakes Analytical

Andy Johnson

Andy Johnson
Project Manager

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

EQM	Project: OMC - Waukegan	
1800 Carillon Blvd.	Project Number: 3141-117	**Reported:**
Cincinnati, OH 45240	Project Manager: Jackie Doan	06/30/03 09:52

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Baghouse Dust	B306428-01	Waste (S)	06/20/03 14:30	06/23/03 07:15
WP-411	B306428-02	Wipe	06/20/03 14:45	06/23/03 07:15
WP-412	B306428-03	Wipe	06/20/03 14:50	06/23/03 07:15

Great Lakes Analytical--Buffalo Grove

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Andy Johnson

Andy Johnson, Project Manager

GREAT LAKES ANALYTICAL

1380 Busch Parkway
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EQM	Project: OMC - Waukegan	
1800 Carillon Blvd.	Project Number: 3141-117	**Reported:**
Cincinnati, OH 45240	Project Manager: Jackie Doan	06/30/03 09:52

TCLP Metals by EPA 1311/6000/7000 Series Methods

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Baghouse Dust (B306428-01) Waste (S) Sampled: 06/20/03 14:30 Received: 06/23/03 07:15									
Mercury	ND	0.000200	mg/l	1	3060607	06/26/03	06/27/03	EPA 7470A	
Arsenic	ND	0.0500	"	"	3060606	06/26/03	06/27/03	EPA 6010B	
Barium	ND	1.00	"	"	"	"	"	"	
Cadmium	ND	0.00500	"	"	"	"	"	"	
Chromium	ND	0.100	"	"	"	"	"	"	
Selenium	ND	0.0500	"	"	"	"	"	"	
Silver	ND	0.0500	"	"	"	"	"	"	QC
Lead	ND	0.00500	"	"	"	"	06/27/03	EPA 7421	

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

GREAT LAKES ANALYTICAL
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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 06/30/03 09:52

Polychlorinated Biphenyls by EPA Method 8082

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WP-411 (B306428-02) Wipe Sampled: 06/20/03 14:45 Received: 06/23/03 07:15									
PCB-1016	ND	0.500	ug/100 cm²	1	3060574	06/25/03	06/25/03	EPA 8082	
PCB-1221	ND	0.500	"	"	"	"	"	"	
PCB-1232	ND	0.500	"	"	"	"	"	"	
PCB-1242	ND	0.500	"	"	"	"	"	"	
PCB-1248	**119**	50.0	"	100	"	"	06/26/03	"	
PCB-1254	ND	0.500	"	1	"	"	06/25/03	"	
PCB-1260	ND	0.500	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*51.4 %*	*10-116*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*30.1 %*	*10-209*		"	"	"	"	
WP-412 (B306428-03) Wipe Sampled: 06/20/03 14:50 Received: 06/23/03 07:15									
PCB-1016	ND	0.500	ug/100 cm²	1	3060574	06/25/03	06/25/03	EPA 8082	
PCB-1221	ND	0.500	"	"	"	"	"	"	
PCB-1232	ND	0.500	"	"	"	"	"	"	
PCB-1242	ND	0.500	"	"	"	"	"	"	
PCB-1248	**40.2**	25.0	"	50	"	"	06/26/03	"	
PCB-1254	ND	0.500	"	1	"	"	06/25/03	"	
PCB-1260	ND	0.500	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*56.7 %*	*10-116*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*46.5 %*	*10-209*		"	"	"	"	

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

GREAT LAKES ANALYTICAL

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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 06/30/03 09:52

TCLP Metals by EPA 1311/6000/7000 Series Methods - Quality Control

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3060606 - EPA 3010A TCLP										
Blank (3060606-BLK1)				Prepared: 06/26/03 Analyzed: 06/27/03						
Arsenic	ND	0.0500	mg/l							
Lead	ND	0.00500	"							
Barium	ND	1.00	"							
Cadmium	ND	0.00500	"							
Chromium	ND	0.100	"							
Selenium	ND	0.0500	"							
Silver	ND	0.0500	"							
LCS (3060606-BS1)				Prepared: 06/26/03 Analyzed: 06/27/03						
Arsenic	1.98	0.0500	mg/l	2.00		99.0	89.5-124			
Lead	0.0227	0.00500	"	0.0240		94.6	76-139			
[illegible]m	3.97	1.00	"	4.00		99.2	85.1-127			
[illegible]mium	2.14	0.00500	"	2.00		107	85.9-123			
Chromium	3.78	0.100	"	4.00		94.5	85-117			
Selenium	2.05	0.0500	"	2.00		102	84.2-126			
Silver	1.40	0.0500	"	4.00		35.0	62.7-135			L
Matrix Spike (3060606-MS1)		Source: B306428-01		Prepared: 06/26/03 Analyzed: 06/27/03						
Arsenic	1.99	0.0500	mg/l	2.00	ND	99.5	76.1-143			
Lead	0.0258	0.00500	"	0.0240	ND	108	41.6-170			
Barium	4.17	1.00	"	4.00	0.132	101	78.3-138			
Cadmium	2.09	0.00500	"	2.00	ND	104	84.2-123			
Chromium	3.73	0.100	"	4.00	ND	93.2	73.5-125			
Selenium	2.06	0.0500	"	2.00	0.00690	103	85.3-137			
Silver	2.33	0.0500	"	4.00	ND	58.2	10-174			
Matrix Spike Dup (3060606-MSD1)		Source: B306428-01		Prepared: 06/26/03 Analyzed: 06/27/03						
Arsenic	1.97	0.0500	mg/l	2.00	ND	98.5	76.1-143	1.01	7.78	
Lead	0.0257	0.00500	"	0.0240	ND	107	41.6-170	0.388	24.1	
Barium	4.12	1.00	"	4.00	0.132	99.7	78.3-138	1.21	9.1	
Cadmium	2.07	0.00500	"	2.00	ND	104	84.2-123	0.962	7.45	
Chromium	3.68	0.100	"	4.00	ND	92.0	73.5-125	1.35	11.6	
Selenium	2.05	0.0500	"	2.00	0.00690	102	85.3-137	0.487	9.9	
Silver	2.34	0.0500	"	4.00	ND	58.5	10-174	0.428	46.3	

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

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(847) 808-7766 FAX (847) 808-7772

EQM	Project: OMC - Waukegan	
1800 Carillon Blvd.	Project Number: 3141-117	**Reported:**
Cincinnati, OH 45240	Project Manager: Jackie Doan	06/30/03 09:52

TCLP Metals by EPA 1311/6000/7000 Series Methods - Quality Control

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3060607 - EPA 7470A										
Blank (3060607-BLK1)				Prepared: 06/26/03	Analyzed: 06/27/03					
Mercury	ND	0.000200	mg/l							
LCS (3060607-BS1)				Prepared: 06/26/03	Analyzed: 06/27/03					
Mercury	0.00141	0.000200	mg/l	0.00150		94.0	68.4-131			
Matrix Spike (3060607-MS1)		Source: B306428-01		Prepared: 06/26/03	Analyzed: 06/27/03					
Mercury	0.00138	0.000200	mg/l	0.00150	ND	92.0	52-151			
Matrix Spike Dup (3060607-MSD1)		Source: B306428-01		Prepared: 06/26/03	Analyzed: 06/27/03					
Mercury	0.00140	0.000200	mg/l	0.00150	ND	93.3	52-151	1.44	32.8	

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 06/30/03 09:52

Polychlorinated Biphenyls by EPA Method 8082 - Quality Control

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3060574 - EPA 3550B										
Blank (3060574-BLK1)				Prepared & Analyzed: 06/25/03						
PCB-1016	ND	0.500	ug/100 cm²							
PCB-1221	ND	0.500	"							
PCB-1232	ND	0.500	"							
PCB-1242	ND	0.500	"							
PCB-1248	ND	0.500	"							
PCB-1254	ND	0.500	"							
PCB-1260	ND	0.500	"							
Surrogate: Tetrachloro-meta-xylene	*0.695*		"	*1.00*		*69.5*	*10-116*			
Surrogate: Decachlorobiphenyl	*0.740*		"	*1.00*		*74.0*	*10-209*			
LCS (3060574-BS1)				Prepared & Analyzed: 06/25/03						
-1016	3.37	0.500	ug/100 cm²	10.0		33.7	21.2-107			
-1260	3.64	0.500	"	10.0		36.4	24.8-128			
Surrogate: Tetrachloro-meta-xylene	*0.635*		"	*1.00*		*63.5*	*10-116*			
Surrogate: Decachlorobiphenyl	*0.643*		"	*1.00*		*64.3*	*10-209*			
LCS Dup (3060574-BSD1)				Prepared & Analyzed: 06/25/03						
PCB-1016	3.58	0.500	ug/100 cm²	10.0		35.8	21.2-107	6.04	54.4	
PCB-1260	3.42	0.500	"	10.0		34.2	24.8-128	6.23	44.4	
Surrogate: Tetrachloro-meta-xylene	*0.727*		"	*1.00*		*72.7*	*10-116*			
Surrogate: Decachlorobiphenyl	*0.752*		"	*1.00*		*75.2*	*10-209*			

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

EQM	Project: OMC - Waukegan	
1800 Carillon Blvd.	Project Number: 3141-117	**Reported:**
Cincinnati, OH 45240	Project Manager: Jackie Doan	06/30/03 09:52

Notes and Definitions

QC	The result for one or more quality control measurements associated with this sample did not meet the laboratory and/or source method acceptance criteria.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
L	This quality control measurement is below the laboratory established limit.
H	This quality control measurement is above the laboratory established limit.

Great Lakes Analytical--Buffalo Grove Wisconsin DNR Certification Lab ID: 999917160

Great Lakes Analytical--Buffalo Grove NELAP Primary Accreditation: Illinois #100261

Great Lakes Analytical--Buffalo Grove NELAP Secondary Accreditation: New Jersey #IL001

Great Lakes Analytical--Oak Creek, WI Wisconsin DNR Certification Lab ID: 341000330

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

1800 Carillon Blvd
Cincinnati, OH 45240
(513) 825-7500

Environmental Quality Management, Inc.
Chain of Custody Record

COC Tracking: EQ-1119

Project No.	Project Name
3141-117	OMC Waukegan

Samplers/Affiliation: (Print Name and Sign) Ken Brown for EQM

Lab P.O. No:

Sample ID:	Date	Time	Description/Matrix:	Sample Volume / Comments	No. of Containers	TCLP METALS	PCBs 8082
BAGH0056 DUST	6/20/03	1430	WASTE	B306428-01	1	X	
WP-411	6/20/03	1445	WIPE (100cm²)	02	1		X
WP-412	6/20/03	1450	WIPE (100cm²)	03	1		X

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Kenneth A. Brown	6/20/03	16:30	Ken Altman	06/23/03	7:15
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
			[illegible]	6-24-03	7:14
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Ship To: JACKIE DOAN EQM
1800 CARILLON BLVD
CINCINNATI, OH 45240
FAX TO (513) 825-7495
AND (847) 782-0658

Airbill Number

Reporting/QA Requirements:

Turn Around Time (EXACT DUE DATE): 6/27/03

Report To:

Chain of Custody Seal Numbers

Distribution: White - Accompar hipment Pink - Project Files Yellow - Laboratory File

06/30/03 09:02 FAX 847 808 1112 GREAT LAKES ANALITICAL

GREAT
LAKES
ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

01 July 2003

Jackie Doan
EQM
1800 Carillon Blvd.
Cincinnati, OH 45240
RE: OMC - Waukegan

Enclosed are the results of analyses for samples received by the laboratory on 06/26/03. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Great Lakes Analytical

Andy Johnson

Andy Johnson
Project Manager

GREAT LAKES ANALYTICAL

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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 07/01/03 15:02

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Tanker Sludge	B306473-01	Waste (S)	06/25/03 14:30	06/26/03 16:20
Deburring Pit Sludge	B306473-02	Waste (S)	06/26/03 08:45	06/26/03 16:20

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

GREAT LAKES ANALYTICAL

1380 Busch Parkway
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Email: info@glalabs.com
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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 07/01/03 15:02

TCLP Metals by EPA 1311/6000/7000 Series Methods

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Deburring Pit Sludge (B306473-02) Waste (S) Sampled: 06/26/03 08:45 Received: 06/26/03 16:20									
Mercury	ND	0.000200	mg/l	1	3060658	06/27/03	06/30/03	EPA 7470A	
Arsenic	ND	0.0500	"	"	3060643	06/27/03	06/30/03	EPA 6010B	
Barium	ND	1.00	"	"	"	"	"	"	
Cadmium	ND	0.00500	"	"	"	"	"	"	
Chromium	ND	0.100	"	"	"	"	"	"	
Selenium	ND	0.0500	"	"	"	"	"	"	
Silver	ND	0.0500	"	"	"	"	"	"	
Lead	ND	0.00500	"	"	"	"	06/30/03	EPA 7421	

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

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Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 07/01/03 15:02

Polychlorinated Biphenyls by EPA Method 8082

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Tanker Sludge (B306473-01) Waste (S) Sampled: 06/25/03 14:30 Received: 06/26/03 16:20									
PCB-1016	ND	15500	ug/kg wet	100	3060633	06/27/03	06/30/03	EPA 8082	
PCB-1221	ND	15500	"	"	"	"	"	"	
PCB-1232	ND	15500	"	"	"	"	"	"	
PCB-1242	ND	15500	"	"	"	"	"	"	
PCB-1248	**57400**	15500	"	"	"	"	06/30/03	"	
PCB-1254	ND	15500	"	"	"	"	06/30/03	"	
PCB-1260	ND	15500	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*30.5 %*	*10-125*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*71.3 %*	*10-143*		"	"	"	"	

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

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(847) 808-7766 FAX (847) 808-7772

EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	Reported: 07/01/03 15:02

TCLP Metals by EPA 1311/6000/7000 Series Methods - Quality Control

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3060643 - EPA 3010A TCLP										
Blank (3060643-BLK1)				Prepared: 06/27/03 Analyzed: 06/30/03						
Arsenic	ND	0.0500	mg/l							
Lead	ND	0.00500	"							
Barium	ND	1.00	"							
Cadmium	ND	0.00500	"							
Chromium	ND	0.100	"							
Selenium	ND	0.0500	"							
Silver	ND	0.0500	"							
LCS (3060643-BS1)				Prepared: 06/27/03 Analyzed: 06/30/03						
Arsenic	1.95	0.0500	mg/l	2.00		97.5	89.5-124			
Lead	0.0243	0.00500	"	0.0240		101	76-139			
Barium	2.04	1.00	"	2.00		102	85.1-127			
Cadmium	1.03	0.00500	"	1.00		103	85.9-123			
Chromium	1.96	0.100	"	2.00		98.0	85-117			
Selenium	1.09	0.0500	"	1.00		109	84.2-126			
Silver	1.01	0.0500	"	1.00		101	62.7-135			
Matrix Spike (3060643-MS1)		Source: B306453-01		Prepared: 06/27/03 Analyzed: 06/30/03						
Arsenic	2.02	0.0500	mg/l	2.00	ND	101	76.1-143			
Lead	0.365	0.00500	"	0.0240	0.346	79.2	41.6-170			
Barium	2.29	1.00	"	2.00	0.210	104	78.3-138			
Cadmium	1.03	0.00500	"	1.00	ND	103	84.2-123			
Chromium	2.01	0.100	"	2.00	0.0396	98.5	73.5-125			
Selenium	1.10	0.0500	"	1.00	0.0146	109	85.3-137			
Silver	0.993	0.0500	"	1.00	ND	99.3	10-174			
Matrix Spike Dup (3060643-MSD1)		Source: B306453-01		Prepared: 06/27/03 Analyzed: 06/30/03						
Arsenic	1.98	0.0500	mg/l	2.00	ND	99.0	76.1-143	2.00	7.78	
Lead	0.371	0.00500	"	0.0240	0.346	104	41.6-170	1.63	24.1	
Barium	2.25	1.00	"	2.00	0.210	102	78.3-138	1.76	9.1	
Cadmium	1.02	0.00500	"	1.00	ND	102	84.2-123	0.976	7.45	
Chromium	2.00	0.100	"	2.00	0.0396	98.0	73.5-125	0.499	11.6	
Selenium	1.08	0.0500	"	1.00	0.0146	107	85.3-137	1.83	9.9	
Silver	0.980	0.0500	"	1.00	ND	98.0	10-174	1.32	46.3	

Great Lakes Analytical--Buffalo Grove

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Andy Johnson

Andy Johnson, Project Manager

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 07/01/03 15:02

TCLP Metals by EPA 1311/6000/7000 Series Methods - Quality Control

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3060658 - EPA 7470A										
Blank (3060658-BLK1)				Prepared: 06/27/03 Analyzed: 06/30/03						
Mercury	ND	0.000200	mg/l							
LCS (3060658-BS1)				Prepared: 06/27/03 Analyzed: 06/30/03						
Mercury	0.00171	0.000200	mg/l	0.00150		114	68.4-131			
Matrix Spike (3060658-MS1)		Source: B306453-01		Prepared: 06/27/03 Analyzed: 06/30/03						
Mercury	0.00171	0.000200	mg/l	0.00150	0.0000920	108	52-151			
Matrix Spike Dup (3060658-MSD1)		Source: B306453-01		Prepared: 06/27/03 Analyzed: 06/30/03						
Mercury	0.00170	0.000200	mg/l	0.00150	0.0000920	107	52-151	0.587	32.8	

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

GREAT LAKES ANALYTICAL

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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 07/01/03 15:02

Polychlorinated Biphenyls by EPA Method 8082 - Quality Control

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3060633 - EPA 3550B										
Blank (3060633-BLK1)				Prepared: 06/27/03	Analyzed: 06/30/03					
PCB-1016	ND	25.0	ug/kg wet							
PCB-1221	ND	25.0	"							
PCB-1232	ND	25.0	"							
PCB-1242	ND	25.0	"							
PCB-1248	ND	25.0	"							
PCB-1254	ND	25.0	"							
PCB-1260	ND	25.0	"							
Surrogate: Tetrachloro-meta-xylene	*20.7*		"	*33.2*		*62.3*	*10-125*			
Surrogate: Decachlorobiphenyl	*25.9*		"	*33.2*		*78.0*	*10-143*			
LCS (3060633-BS1)				Prepared: 06/27/03	Analyzed: 06/30/03					
PCB-1016	104	25.0	ug/kg wet	333		31.2	10-133			
PCB-1260	121	25.0	"	333		36.3	14-134			
Surrogate: Tetrachloro-meta-xylene	*20.6*		"	*33.3*		*61.9*	*10-125*			
Surrogate: Decachlorobiphenyl	*27.8*		"	*33.3*		*83.5*	*10-143*			
Matrix Spike (3060633-MS1)		**Source: B306449-01**		Prepared: 06/27/03	Analyzed: 06/30/03					
PCB-1016	115	30.3	ug/kg dry	401	ND	28.7	10-131			
PCB-1260	131	30.3	"	401	ND	32.7	10-129			
Surrogate: Tetrachloro-meta-xylene	*14.8*		"	*40.1*		*36.9*	*10-125*			
Surrogate: Decachlorobiphenyl	*20.9*		"	*40.1*		*52.1*	*10-143*			
Matrix Spike Dup (3060633-MSD1)		**Source: B306449-01**		Prepared: 06/27/03	Analyzed: 06/30/03					
PCB-1016	112	30.3	ug/kg dry	402	ND	27.9	10-131	2.64	87.6	
PCB-1260	126	30.3	"	402	ND	31.3	10-129	3.89	71.9	
Surrogate: Tetrachloro-meta-xylene	*16.9*		"	*40.2*		*42.0*	*10-125*			
Surrogate: Decachlorobiphenyl	*22.6*		"	*40.2*		*56.2*	*10-143*			

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

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(847) 808-7766 FAX (847) 808-7772

EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 07/01/03 15:02

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
L	This quality control measurement is below the laboratory established limit.
H	This quality control measurement is above the laboratory established limit.

Great Lakes Analytical--Buffalo Grove Wisconsin DNR Certification Lab ID: 999917160

Great Lakes Analytical--Buffalo Grove NELAP Primary Accreditation: Illinois #100261

Great Lakes Analytical--Buffalo Grove NELAP Secondary Accreditation: New Jersey #IL001

Great Lakes Analytical--Oak Creek, WI Wisconsin DNR Certification Lab ID: 341000330

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

1800 Carillon Blvd
Cincinnati, OH 45240
(513) 825-7500

Environmental Quality Management, Inc.
Chain of Custody Record

COC Tracking: EQ- 11200

Project No.	Project Name
3141-117	OMC Waukegan

Samplers/Affiliation: (Print Name and Sign) Ken Brown for EQM Kenneth Brown

Lab P.O. No:

Sample ID:	Date	Time	Description/Matrix:	Sample Volume / Comments	No. of Containers	PCBs (8082)	TCLP METALS										
TANKER SLUDGE	6/25/03	1430	SLUDGE SOLIDS	B306473-01	1	X			B306473-01								
DEBURRING PIT SLUDGE	6/26/03	845	SLUDGE SOLIDS		1		X						-02				

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Kenneth Brown	6/26/03	800	[illegible]	6/26	1820
[illegible]	6/26	1700	[illegible]	6-27-03	1028
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Ship To: JACKIE DOAN - EQM
1800 CARILLON BLVD.
CINCINNATI, OH 45240
FAX RESULTS TO: (513) 825-7495
AND (847) 782-0658

Airbill Number

Reporting/QA Requirements:

Turn Around Time: 2-DAY TURN
(EXACT DUE DATE): 6/30/03

Report To:

Chain of Custody Seal Numbers

Distribution: White - Accompanies Shipment Pink - Project Files Yellow - Laboratory File

07/01/03 14:12 FAX 847 608 1112 GREAT LAKES ANALYTICAL

GREAT LAKES ANALYTICAL

1380 Busch Parkway
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(847) 808-7766 FAX (847) 808-7772

01 July 2003

Jackie Doan
EQM
1800 Carillon Blvd.
Cincinnati, OH 45240
RE: OMC - Waukegan

Enclosed are the results of analyses for samples received by the laboratory on 06/30/03 13:18. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Andy Johnson

Andy Johnson
Project Manager

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

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(847) 808-7766 FAX (847) 808-7772

EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 07/01/03 10:06

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Transformer #13	B306528-01	OIL	06/30/03 11:00	06/30/03 13:18

Great Lakes Analytical--Buffalo Grove

The results in this report apply to the samples analyzed in accordance with the chai custody document. This analytical report must be reproduced in its entirety.

Andy Johnson

Andy Johnson, Project Manager

GREAT LAKES ANALYTICAL

1380 Busch Parkway
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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 07/01/03 10:06

Polychlorinated Biphenyls by EPA Method 8082
Great Lakes Analytical--Buffalo Grove

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Transformer #13 (B306528-01) OIL	**Sampled: 06/30/03 11:00**		**Received: 06/30/03 13:18**							
PCB-1016	ND	0.00140	3.50	mg/kg	1	3060682	06/30/03	06/30/03	EPA 8082	
PCB-1221	ND	0.00333	3.50	"	"	"	"	"	"	
PCB-1232	ND	0.00333	3.50	"	"	"	"	"	"	
PCB-1242	ND	0.00333	3.50	"	"	"	"	"	"	
PCB-1248	ND	0.00333	3.50	"	"	"	"	"	"	
PCB-1254	ND	0.00333	3.50	"	"	"	"	"	"	
PCB-1260	ND	0.00111	3.50	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*96.2 %*	*10-125*			"	"	"	"	
Surrogate: Decachlorobiphenyl		*115 %*	*10-143*			"	"	"	"	

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

GREAT LAKES ANALYTICAL

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Email: info@glalabs.com
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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 07/01/03 10:06

Polychlorinated Biphenyls by EPA Method 8082 - Quality Control

Great Lakes Analytical--Buffalo Grove

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3060682 - EPA 3550B											
Blank (3060682-BLK1)					Prepared & Analyzed: 06/30/03						
PCB-1016	ND	0.00140	3.50	mg/kg							
PCB-1221	ND	0.00333	3.50	"							
PCB-1232	ND	0.00333	3.50	"							
PCB-1242	ND	0.00333	3.50	"							
PCB-1248	ND	0.00333	3.50	"							
PCB-1254	ND	0.00333	3.50	"							
PCB-1260	ND	0.00111	3.50	"							
Surrogate: Tetrachloro-meta-xylene	*1.04*			"	*1.00*		*104*	*10-125*			
Surrogate: Decachlorobiphenyl	*1.33*			"	*1.00*		*133*	*10-143*			
LCS (3060682-BS1)					Prepared & Analyzed: 06/30/03						
PCB-1016	5.12	0.00140	3.50	mg/kg	5.00		102	10-133			
PCB-1260	6.49	0.00111	3.50	"	5.00		130	14-134			
Surrogate: Tetrachloro-meta-xylene	*0.993*			"	*1.00*		*99.3*	*10-125*			
Surrogate: Decachlorobiphenyl	*1.21*			"	*1.00*		*121*	*10-143*			
Duplicate (3060682-DUP1)		**Source: B306528-01**			Prepared & Analyzed: 06/30/03						
PCB-1016	ND	0.00140	3.50	mg/kg		ND				20	
PCB-1221	ND	0.00333	3.50	"		ND				20	
PCB-1232	ND	0.00333	3.50	"		ND				20	
PCB-1242	ND	0.00333	3.50	"		ND				20	
PCB-1248	ND	0.00333	3.50	"		ND				20	
PCB-1254	ND	0.00333	3.50	"		ND				20	
PCB-1260	ND	0.00111	3.50	"		ND				20	
Surrogate: Tetrachloro-meta-xylene	*1.02*			"	*0.870*		*117*	*10-125*			
Surrogate: Decachlorobiphenyl	*1.03*			"	*0.870*		*118*	*10-143*			

Great Lakes Analytical--Buffalo Grove

The results in this report apply to the samples analyzed in accordance with the chain custody document. This analytical report must be reproduced in its entirety.

Andy Johnson

Andy Johnson, Project Manager

GREAT LAKES ANALYTICAL

1380 Busch Parkway
Buffalo Grove, Illinois 60089

Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 07/01/03 10:06

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Great Lakes Analytical--Buffalo Grove Wisconsin DNR Certification Lab ID: 999917160

Great Lakes Analytical--Buffalo Grove NELAP Primary Accreditation: Illinois #100261

Great Lakes Analytical--Buffalo Grove NELAP Secondary Accreditation: New Jersey #IL001

Great Lakes Analytical--Oak Creek, WI Wisconsin DNR Certification Lab ID: 341000330

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

1800 Carillon Blvd
Cincinnati, OH 45240
(513) 825-7500

Environment Quality Management, Inc.
Chain of Custody Record

COC Tracking Q-11175

Project No.	Project Name
3141-117	OMC Waukegan

Samplers/Affiliation: (Print Name and Sign) Ken Brown for EQM Kenneth R. Brown

Lab P.O. No:

Sample ID:	Date	Time	Description/Matrix:	Sample Volume / Comments	No. of Containers	TESTS: PCBs 8082
TRANSFORMER #13	6/30/03	1100	OIL	B306528-01	1	

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Kenneth R. Brown	6/30/03	1230	[illegible]	6-30-03	1318
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Ship To: JACKIE DOAN - EQM
1800 CARILLON BLVD
CINCINNATI, OH 45240
FAX RESULTS TO: 513-825-7495
AND 847-782-0658

Airbill Number

Reporting/QA Requirements:

Turn Around Time (EXACT DUE DATE): 7/1/03

Report To:

Chain of Custody Seal Numbers

Distribution: White - Accompanies Shipment Pink - Project Files Yellow - Laboratory File

Rec'd amb. temp.: 22.9°C

GREAT LAKES ANALYTICAL

1380 Busch Parkway
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Email: info@glalabs.com
(847) 808-7766 FAX (847) 808-7772

03 July 2003

Jackie Doan
EQM
1800 Carillon Blvd.
Cincinnati, OH 45240
RE: OMC - Waukegan

Enclosed are the results of analyses for samples received by the laboratory on 06/26/03. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Great Lakes Analytical

Andy Johnson

Andy Johnson
Project Manager

GREAT LAKES ANALYTICAL

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(847) 808-7766 FAX (847) 808-

EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 07/03/03 17:09

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WP-413	B306474-01	Wipe	06/26/03 08:00	06/26/03 16:20
WP-414	B306474-02	Wipe	06/26/03 08:10	06/26/03 16:20
WP-415	B306474-03	Wipe	06/26/03 08:15	06/26/03 16:20

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

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EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	Reported: 07/03/03 17:09

Polychlorinated Biphenyls by EPA Method 8082

Great Lakes Analytical--Buffalo Grove

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WP-413 (B306474-01) Wipe Sampled: 06/26/03 08:00 Received: 06/26/03 16:20									
PCB-1016	ND	0.500	ug/100 cm²	1	3060679	06/30/03	07/01/03	EPA 8082	
PCB-1221	ND	0.500	"	"	"	"	"	"	
PCB-1232	ND	0.500	"	"	"	"	"	"	
PCB-1242	ND	0.500	"	"	"	"	"	"	
PCB-1248	**1.26**	0.500	"	"	"	"	07/01/03	"	
PCB-1254	ND	0.500	"	"	"	"	07/01/03	"	
PCB-1260	ND	0.500	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*43.7 %*	*10-116*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*77.8 %*	*10-209*		"	"	"	"	
WP-414 (B306474-02) Wipe Sampled: 06/26/03 08:10 Received: 06/26/03 16:20									
PCB-1016	ND	0.500	ug/100 cm²	1	3060679	06/30/03	07/01/03	EPA 8082	
PCB-1221	ND	0.500	"	"	"	"	"	"	
PCB-1232	ND	0.500	"	"	"	"	"	"	
[illegible] 1242	ND	0.500	"	"	"	"	"	"	
[illegible] 1248	**14.7**	10.0	"	100	"	"	07/01/03	"	
PCB-1254	ND	0.500	"	1	"	"	07/01/03	"	
PCB-1260	ND	0.500	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*63.9 %*	*10-116*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*54.0 %*	*10-209*		"	"	"	"	
WP-415 (B306474-03) Wipe Sampled: 06/26/03 08:15 Received: 06/26/03 16:20									
PCB-1016	ND	0.500	ug/100 cm²	1	3060679	06/30/03	07/01/03	EPA 8082	
PCB-1221	ND	0.500	"	"	"	"	"	"	
PCB-1232	ND	0.500	"	"	"	"	"	"	
PCB-1242	ND	0.500	"	"	"	"	"	"	
PCB-1248	**6.64**	2.50	"	5	"	"	07/01/03	"	
PCB-1254	ND	0.500	"	1	"	"	07/01/03	"	
PCB-1260	ND	0.500	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*50.1 %*	*10-116*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*56.0 %*	*10-209*		"	"	"	"	

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

GREAT LAKES ANALYTICAL
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(847) 808-7766 FAX (847) 808-7

EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 07/03/03 17:09

Polychlorinated Biphenyls by EPA Method 8082 - Quality Control
Great Lakes Analytical–Buffalo Grove

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3060679 - EPA 3550B										
Blank (3060679-BLK1)				Prepared: 06/30/03 Analyzed: 07/02/03						
PCB-1016	ND	0.500	ug/100 cm²							
PCB-1221	ND	0.500	"							
PCB-1232	ND	0.500	"							
PCB-1242	ND	0.500	"							
PCB-1248	ND	0.500	"							
PCB-1254	ND	0.500	"							
PCB-1260	ND	0.500	"							
Surrogate: Tetrachloro-meta-xylene	*0.718*		"	*1.00*		*71.8*	*10-116*			
Surrogate: Decachlorobiphenyl	*1.00*		"	*1.00*		*100*	*10-209*			
LCS (3060679-BS1)				Prepared: 06/30/03 Analyzed: 07/02/03						
PCB-1016	3.84	0.500	ug/100 cm²	10.0		38.4	21.2-107			
PCB-1260	4.82	0.500	"	10.0		48.2	24.8-128			
Surrogate: Tetrachloro-meta-xylene	*0.746*		"	*1.00*		*74.6*	*10-116*			
Surrogate: Decachlorobiphenyl	*1.03*		"	*1.00*		*103*	*10-209*			
LCS Dup (3060679-BSD1)				Prepared: 06/30/03 Analyzed: 07/02/03						
PCB-1016	3.43	0.500	ug/100 cm²	9.00		38.1	21.2-107	11.3	54.4	
PCB-1260	4.03	0.500	"	9.00		44.8	24.8-128	17.9	44.4	
Surrogate: Tetrachloro-meta-xylene	*0.726*		"	*1.00*		*72.6*	*10-116*			
Surrogate: Decachlorobiphenyl	*0.980*		"	*1.00*		*98.0*	*10-209*			

Great Lakes Analytical--Buffalo Grove

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Andy Johnson

Andy Johnson, Project Manager

GREAT LAKES ANALYTICAL
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Buffalo Grove, Illinois 60089
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(847) 808-7766 FAX (847) 808-7772

EQM 1800 Carillon Blvd. Cincinnati, OH 45240	Project: OMC - Waukegan Project Number: 3141-117 Project Manager: Jackie Doan	**Reported:** 07/03/03 17:09

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
L	This quality control measurement is below the laboratory established limit.
H	This quality control measurement is above the laboratory established limit.

Great Lakes Analytical--Buffalo Grove Wisconsin DNR Certification Lab ID: 999917160

Great Lakes Analytical--Buffalo Grove NELAP Primary Accreditation: Illinois #100261

Great Lakes Analytical--Buffalo Grove NELAP Secondary Accreditation: New Jersey #IL001

Great Lakes Analytical--Oak Creek, WI Wisconsin DNR Certification Lab ID: 341000330

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Andy Johnson

Andy Johnson, Project Manager

1[illegible] Carillon Blvd
C[illegible]ati, OH 45240
(5[illegible]) 825-7500

Environmental Quality Management, Inc.
Chain of Custody Record

COC Tracking .Q-11174

Project No.	Project Name
3141-U7	OMC Waukegan

Samplers/Affiliation: (Print Name and Sign) Ken Brown for EQM [signature]

Lab P.O. No:

Sample ID:	Date	Time	Description/Matrix:	Sample Volume / Comments	No. of Containers	TESTS: PCBs (8082)
WP-413	6/26/03	800	WIPE (100cm²)	B3064716 01	1	X
WP-414	6/26/03	810	↓	02	1	X
WP-415	6/26/03	815		03	1	X

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	6/26/03	0900	[signature]	6/26	1800
[signature]	6/26	1700	[signature]	6/27/03	1630

Ship To: JACKIE DOAN - EQM
1800 CARILLON BLVD
CINCINNATI, OH 45240
FAX RESULTS TO: (513) 825-7485
AND (847) 782-0658

Airbill Number

Reporting/QA Requirements:

Turn Around Time (EXACT DUE DATE): July 3, 2003

Report To:

Chain of Custody Seal Numbers

Distribution: White - Accompanies Shipment Pink - Project Files Yellow - Laboratory File

STAT Analysis Corporation
2201 West Campbell Park Drive Chicago, IL 60612-3547 312.733.0551 Fax:312.733.2386
e-mail address: STATinfo@STATAnalysis.com AIHA accredited 10248, NVLAP accredited 101202-0

July 31, 2003

Jackie Doan
Environmental Quality Management, Inc.
1800 Carillon Blvd.
Cincinatti, OH 45240
Telephone:
Fax: (513) 825-9728

RE: 3141-117, OMC Waukegan STAT Project No: 0307109

Dear Jackie Doan:

STAT Analysis received 5 samples for the referenced project on 7/14/2003. The analytical results are presented in the following report.

All analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except where noted in the Case Narrative.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,

Craig Chawla
Project Manager

STAT Analysis Corporation

Date: July 31, 2003

Client: Environmental Quality Management, Inc.
Project: 3141-117, OMC Waukegan
Lab Order: 0307109

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
0307109-001A	Air-201	Vol: 2268L	7/7/2003 5:36:00 PM	7/14/2003
0307109-002A	Air-202	Vol: 2005L	7/7/2003 5:38:00 PM	7/14/2003
0307109-003A	Air-203	Vol: 2201L	7/7/2003 5:40:00 PM	7/14/2003
0307109-004A	Air-204	Vol: 2132L	7/7/2003 5:43:00 PM	7/14/2003
0307109-005A	Air-Blank		7/7/2003 5:45:00 PM	7/14/2003

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Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATanalysis.com

NVLAP

AIHA Environmental Lead and Industrial Hygiene ACCREDITED LABORATORY

Date Reported: July 31, 2003
Date Printed: July 31, 2003

Client: Environmental Quality Management, Inc.
Project: 3141-117, OMC Waukegan **Lab Order:** 0307109

Lab ID: 0307109-001 **Collection Date:** 7/7/2003 5:36:00 PM
Client Sample ID: Air-201 **Matrix:** Air

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCBs in Oil	**SW8082**			Prep Date: **7/21/2003**		Analyst: **JF**
Aroclor 1016	ND	0.44		µg/m³	1	7/23/2003
Aroclor 1221	ND	0.88		µg/m³	1	7/23/2003
Aroclor 1232	ND	0.44		µg/m³	1	7/23/2003
Aroclor 1242	18	0.44		µg/m³	1	7/23/2003
Aroclor 1248	ND	0.44		µg/m³	1	7/23/2003
Aroclor 1254	ND	0.44		µg/m³	1	7/23/2003
Aroclor 1260	ND	0.44		µg/m³	1	7/23/2003

Lab ID: 0307109-002 **Collection Date:** 7/7/2003 5:38:00 PM
Client Sample ID: Air-202 **Matrix:** Air

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCBs in Oil	**SW8082**			Prep Date: **7/21/2003**		Analyst: **JF**
Aroclor 1016	ND	0.5		µg/m³	1	7/23/2003
Aroclor 1221	ND	1		µg/m³	1	7/23/2003
Aroclor 1232	ND	0.5		µg/m³	1	7/23/2003
Aroclor 1242	15	0.5		µg/m³	1	7/23/2003
Aroclor 1248	ND	0.5		µg/m³	1	7/23/2003
Aroclor 1254	ND	0.5		µg/m³	1	7/23/2003
Aroclor 1260	ND	0.5		µg/m³	1	7/23/2003

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

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Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATanalysis.com

NVLAP

AIHA Environmental Lead and Industrial Hygiene ACCREDITED LABORATORY

Date Reported: July 31, 2003
Date Printed: July 31, 2003

Client: Environmental Quality Management, Inc.
Project: 3141-117, OMC Waukegan **Lab Order:** 0307109

Lab ID: 0307109-003 **Collection Date:** 7/7/2003 5:40:00 PM
Client Sample ID: Air-203 **Matrix:** Air

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCBs in Oil		**SW8082**		Prep Date: **7/21/2003**		Analyst: **JF**
Aroclor 1016	ND	0.45		µg/m³	1	7/23/2003
Aroclor 1221	ND	0.91		µg/m³	1	7/23/2003
Aroclor 1232	ND	0.45		µg/m³	1	7/23/2003
Aroclor 1242	5.4	0.45		µg/m³	1	7/23/2003
Aroclor 1248	ND	0.45		µg/m³	1	7/23/2003
Aroclor 1254	ND	0.45		µg/m³	1	7/23/2003
Aroclor 1260	ND	0.45		µg/m³	1	7/23/2003

Lab ID: 0307109-004 **Collection Date:** 7/7/2003 5:43:00 PM
Client Sample ID: Air-204 **Matrix:** Air

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCBs in Oil		**SW8082**		Prep Date: **7/21/2003**		Analyst: **JF**
Aroclor 1016	ND	0.47		µg/m³	1	7/23/2003
Aroclor 1221	ND	0.94		µg/m³	1	7/23/2003
Aroclor 1232	ND	0.47		µg/m³	1	7/23/2003
Aroclor 1242	4.2	0.47		µg/m³	1	7/23/2003
Aroclor 1248	ND	0.47		µg/m³	1	7/23/2003
Aroclor 1254	ND	0.47		µg/m³	1	7/23/2003
Aroclor 1260	ND	0.47		µg/m³	1	7/23/2003

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

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AIHA Environmental Lead and Industrial Hygiene ACCREDITED LABORATORY

Date Reported: July 31, 2003
Date Printed: July 31, 2003

Client: Environmental Quality Management, Inc.
Project: 3141-117, OMC Waukegan **Lab Order:** 0307109

Lab ID: 0307109-005 **Collection Date:** 7/7/2003 5:45:00 PM
Client Sample ID: Air-Blank **Matrix:** Air

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCBs in Oil	**SW8082**			Prep Date: **7/21/2003**		Analyst: **JF**
Aroclor 1016	ND	1		µg	1	7/23/2003
Aroclor 1221	ND	2		µg	1	7/23/2003
Aroclor 1232	ND	1		µg	1	7/23/2003
Aroclor 1242	ND	1		µg	1	7/23/2003
Aroclor 1248	ND	1		µg	1	7/23/2003
Aroclor 1254	ND	1		µg	1	7/23/2003
Aroclor 1260	ND	1		µg	1	7/23/2003

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

1800 Carillon Blvd
Cincinnati, OH 45240
(513) 825-7500

Environmental Quality Management, Inc.
Chain of Custody Record

COC Tracking: **EQ-11176**

Project No.: 3141-117

Project Name: OMC Waukegan

Samplers/Affiliation: (Print Name and Sign) Ken Brown for EQM — Kenneth L. Brown

Lab P.O. No:

Sample ID:	Date	Time	Description/Matrix:	Sample Volume / Comments	No. of Containers	TESTS: PCBs											
AIR-201	7/7/03	1736	PUF CARTRIDGE	2268 L	1	+		~~B307136-01~~ EY									
AIR-202	7/7/03	1738	↓	2005 L	1	+						~~02~~ EY					
AIR-203	7/7/03	1740		2201 L	1	+						~~03~~ EY					
AIR-204	7/7/03	1743		2132 L	1	+						~~04~~ EY					
AIR-BLANK	7/7/03	1745		—	1	+						~~05~~ EY					

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Kenneth L. Brown	7/8/03	1500	[signature]	7/8/03	1500
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
			[signature]	7.9.03	1000
Relinquished by: (Signature) [signature]	Date 7.14.03	Time 730	Received by: (Signature)	Date	Time

Ship To: JACKIE DOAN
1800 CARILLON BLVD.
CINCINNATI, OH 45240
FAX RESULTS TO: (513) 825-7495
AND (262) 879-0323

Airbill Number:

Reporting/QA Requirements:

Turn Around Time (EXACT DUE DATE): 7/15/03

Report To:

Chain of Custody Seal Numbers

Distribution: White - Accompanies Shipment Pink - Project Files Yellow - Laboratory File

STAT Analysis Corporation

Sample Receipt Checklist

Client Name EQM

Date and Time Received: 07/14/2003

Work Order Numbe 0307109

Received by CDF

Checklist completed b [signature] Signature 7/14/03 Date

Reviewed by AJS Initials 7/16/03 Date

Matrix

Carrier name Courier

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container or Temp Blank temperature in compliance?	Yes ☑	No ☐	Temperature Ambient °C
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☐	No ☐
Water - Samples properly preserved/ pH checked?	Yes ☐	No ☑	

Adjusted? Checked by

Any No and/or NA (not applicable) response must be detailed in the comments section below.

Client contacted Date contacted: Person contacted

Contacted by: Regarding

Comments:

Corrective Action