ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

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PAT QUINN, GOVERNOR DOUGLAS P. SCOTT, DIRECTOR

January 21, 2010

Ms. Keary Cragan
Brownfield and NPL Reuse Section
Region 5 Offices
U.S. Environmental Protection Agency
77 West Jackson
Chicago, Illinois 60604

Dear Ms. Cragan:

Please find enclosed a copy of an Abbreviated Brownfield Redevelopment Assessment Report and supporting documentation for the following site that was scheduled for Fiscal 2010 completion.

SITE NAME	ILB#	COUNTY
North Chicago Chemical Packing	000000087	Lake

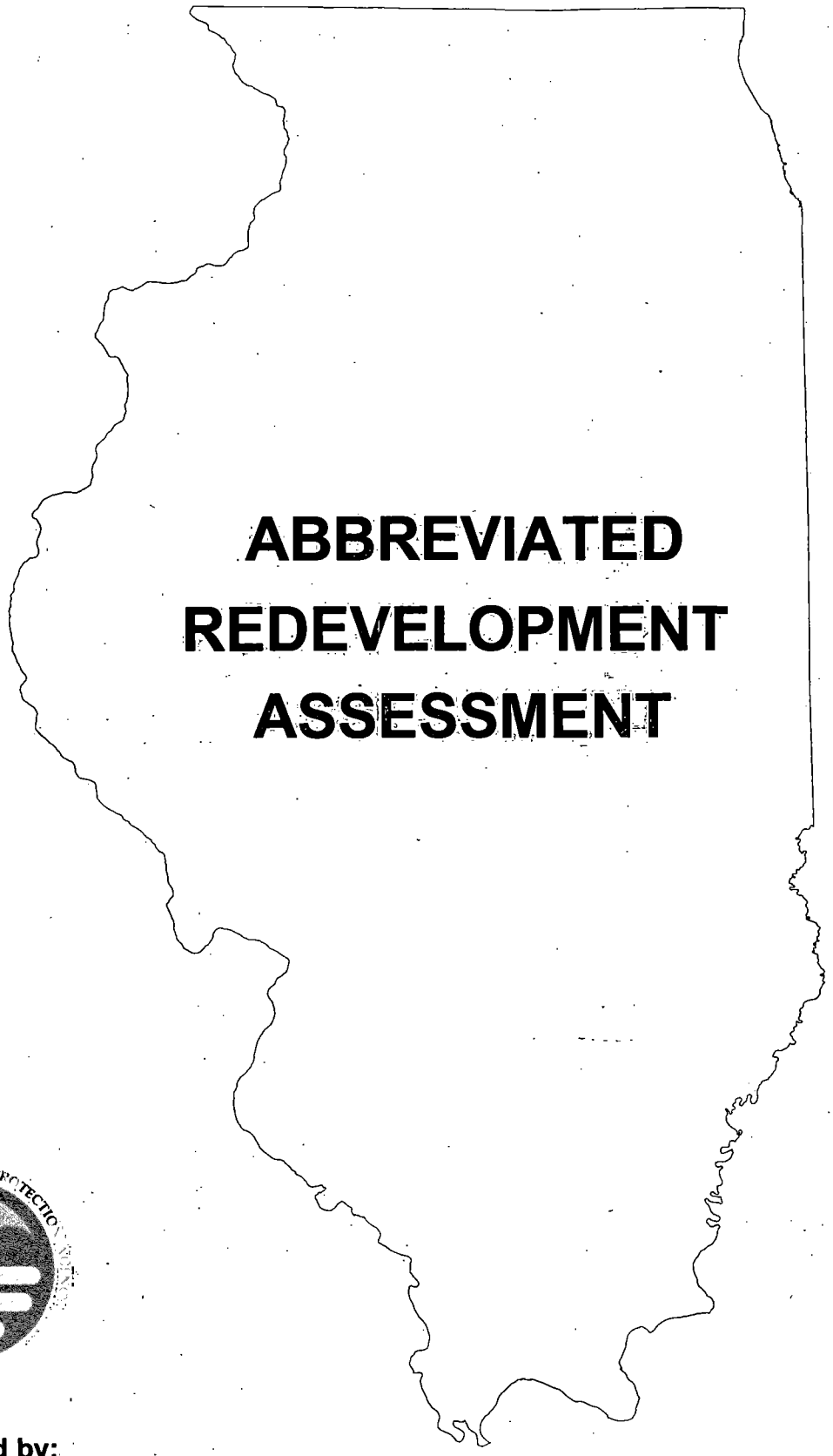
It should be noted that the following property was identified by local governments within Illinois as meeting the criteria for the federal Brownfield initiative, and have been investigated for the sole purpose of determining if contamination of this property would act as an impediment to future redevelopment of the site.

We are happy to provide you with the following report. Should you have any questions or comments concerning the summary reports, please feel free to contact its author.

Sincerely,

Thomas Crause
Manager, Office of Site Evaluation
Division of Remediation Management

LPC 0971255020--Lake County
North Chicago / Chemical Packing
(aka. North Chicago)
ILB 000 000 087
SF/HRS



ABBREVIATED REDEVELOPMENT ASSESSMENT

Prepared by:
Office of Site Evaluation
Division of Remediation Management
Bureau of Land

BROWNFIELD ABBRVIATED REDEVELOPMENT ASSESSMENT REPORT

for:

NORTH CHICAGO (a.k.a. CHEMICAL PACKING)
NORTH CHICAGO, ILLINOIS
ILB 000 000 087
LPC# 0971255020

PREPARED BY:

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
BUREAU OF LAND
DIVISION OF REMEDIATION MANAGEMENT
OFFICE OF SITE EVALUATION

December 7, 2009

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1.0 BACKGROUND

1.1 Introduction

On February 4, 2008, the Illinois Environmental Protection Agency's (Illinois EPA's) Office of Site Evaluation (OSE), working in cooperation with the United States Environmental Protection Agency (U.S. EPA) Region V, initiated work on a Abbreviated Redevelopment Assessment (ARA) at the property located at 1901 Sheridan Road (a.k.a. 1950 Marquette) in North Chicago, Illinois. The City of North Chicago passed Resolution No. 2008-861 on February 5, 2008, (Appendix-A) that requested Illinois EPA's assistance in conducting environmental investigations of subject property in North Chicago.

The ARA was designed to identify potential areas of concern and determine if they pose an undue risk to human health and the environment. This report is not intended to completely define the lateral or vertical extent of contamination of the entire 1901 Sheridan Road property. The ARA is intended to provide the City of North Chicago environmental data necessary to make decisions about future redevelopment of the subject property. The report should not be viewed as conclusive evidence that additional contamination does not exist at this site. The ARA is not designed to fulfill the All Appropriate Inquiry provisions of the Prospective Purchaser obligations of the Comprehensive Environmental Response, Compensation, and liability Act (CERCLA).

The subject property is currently owned by a private individual through a trust established after the death of her husband. When negotiations began between the City of North Chicago and the Illinois EPA, an agreement existed which would allow for the

transfer of ownership of the property to the City of North Chicago. The results of the environmental investigation performed by the Illinois EPA would dictate whether or not the City of North Chicago would elect to purchase the property from the current owner. The ARA is designed to provide the City of North Chicago assistance in evaluating this property to identify and resolve any recognized environmental concerns and business environmental risks at the site and subsequently promote the redevelopment of this underutilized land. The Illinois EPA will conduct the assessment to determine the types and locations of past and present industrial activities, potential environmental migration pathways of concern, types and concentrations of potential contaminants, and the need for remediation and/or removal actions on the property. Municipal plans for future redevelopment of the property were unclear at the time of the ARA.

1.2 Site Location and Description

The subject property (site) is located at 1901 Sheridan Road in North Chicago, Lake County, Illinois (Figure-1). The site has also been listed as 1950 Marquette Street. The property is situated in the NW1/4 of Section 4, Township 44 North, Range 12 East. The coordinates for a location roughly in the center of the site are 87°50'20.00"W and 42°19'26.50"N. The site is located in a predominantly industrial/commercial setting roughly 2000 feet west of Lake Michigan, between Sheridan Road to the west and Marquette Street to the east (Figure-1). The property is approximately 2.73-acres in size and includes three vacant independent structures which have been connected through additional construction activities. The three buildings present on site have been vacant since approximately June 2003 and are at various stages of deterioration. Areas not

under roof on the east side of the site are covered by asphalt, concrete and sand and gravel. Areas not under roof on the west side of the site are mostly grass covered but may contain areas of asphalt and concrete. The perimeter of the site is surrounded by metal fencing to restrict access; however, vagrants may be present on site, and vandalism to the buildings has occurred.

The site is bordered to the north by Blisters Inc. followed by train tracks, to the east by North Marquette Avenue followed by Smurfit Stone, to the South by Edward Hines Lumber Co., and to the west by railroad tracks then Sheridan Road, followed by a commercial property and vacant land (LFR, 2005). A residential neighborhood is present west of Sheridan Road. The site is relatively flat but appears to slope gradually to the west.

Surficial geologic materials in the North Chicago area consist of either glacial materials of the Wedron Formation, or lake deposits of the Equality Formation. Soil borings performed at the site to a depth of approximately 20 feet below grade indicate that subsurface materials vary widely across the site. Portions of the site consist of interbedded sands, silts and clays, while other areas of the site may be predominantly sand. A few borings on the south / southwest portion of the site contained predominantly silty and sandy clays. Dark sand and gravelly fill material less than three feet in thickness was encountered on the northeast portion of the site, and to a limited extent on the northwest portion of the site. Up to ten feet of fill material or reworked native material was present where former solvent Underground Storage Tanks (USTs) had been removed. Soil boring logs are provided in Appendix-B.

Ground water was encountered at shallow depths ranging from roughly 5-11 feet below grade over most of the site where shallow sands were present. Some of these saturated conditions were likely present as perched water. Saturated conditions were encountered at greater depths on the southwest portion of the site where there were lesser amounts of shallow sand. Saturated sands capable of producing water were not encountered until 17 feet below surface grade at two locations. Based on information obtained during the RA, the ground water flow direction in the uppermost water bearing unit is to the southwest. Public water supplies for the area are obtained from Lake Michigan. North Chicago has an Illinois EPA approved ground water use ordinance prohibiting the installation or use of private water supply wells.

1.3 Site History

According to Sanborn Fire Insurance Maps industrial activities began at the site between 1917 in 1924. The 1924 map identifies a machine shop run by J.W. Aulson and Sons, Inc. on the southwestern section of the site. In the 1929 map, the Waukegan Chemical Co. has taken over the machine shop and added a mix house and lacquer warehouse on the southern portion of the site. The building currently present on the northern portion of the site was occupied by The Bunting Publications, Inc. The 1948 map indicates the northern building is occupied by the Fansteel Metallurgical Corporation. The southern two buildings present on site and the original machine shop building are occupied by company called Zapon Co.- Division of Atlas Powder Co. The 1960 Sanborn map has the same configuration as the 1948 map; however, the three buildings on the southern portion of the site are occupied by the Reliance Varnish Co. of

Illinois. The machine shop building originally located on the southwestern portion of the site was removed at some point after 1960. According to a Phase I Environmental Site Assessment performed by LFR Levine Fricke, previous owners may have included Hercules Powder (dynamite), DuPont, U.S. Steel, Reliance Paint, Cadillac Packaging, Chemical Packaging, and Certified Packaging (LFR, 2005). The site is reported to have been vacant since June of 2003.

2.0 FIELD INVESTIGATION ACTIVITIES AND ANALYTICAL RESULTS

2.1 Objectives of Investigation

The subject property has been vacant since roughly 2003. The current owner has no plans for revitalization of the property which prompted the City of North Chicago in conjunction with the Delta Redevelopment Institute (Delta) to pursue acquisition of the property for redevelopment. An environmental consulting firm (LFR, Inc.) completed a Phase I Environmental Site Assessment report for the property, dated October 21, 2005, which identified various recognized environmental conditions at the property. LFR, Inc. completed a Screening-Level Subsurface Investigation report dated January 8, 2008, that identified the presence of hazardous substances in the subsurface at the subject property. The City of North Chicago and Delta requested the Illinois EPA's assistance in conducting an environmental investigation of the property to determine the magnitude and extent of hazardous substances identified on the property. Prior to conducting the environmental investigation, the subject property was enrolled in the Illinois EPA's Site Remediation Program (SRP) on April 7, 2008, as a condition of the Resolution. The

subject property was enrolled in the SRP under the site name of "Chemical Packing" (LPC# 0971255020). Pursuant to Resolution No. 2008-861, the Illinois EPA's OSE conducted a subsurface investigation at the site during the weeks of May 26, June 6, and June 23, 2008. Upon completion of the ARA, LFR, Inc. was to prepare an investigation report which summarized the Illinois EPA findings, and evaluate the cost for remediation of the property.

2.2 Sampling Activities

The Illinois EPA's OSE completed 29 soil boring locations and installed four ¾ – inch PVC pre-pack monitoring wells using a truck mounted Geoprobe 5400 unit, and a track mounted Geoprobe 6600 unit (Figures 2 & 3). One location (HA-126) was sampled using a stainless steel hand auger. Soil borings ranged from four foot below grade to 24 feet below grade. Soil borings were installed both inside the buildings where accessible, and outside the buildings in an attempt to characterize the site. Soil borings were continuously cored at four foot intervals. The four foot soil cores were characterized both visually and analytically using field based characterization methods. The soil cores were analyzed for total metals using X-Ray Fluorescence (XRF) technology and for Volatile Organic Compounds (VOCs) using a Photo Ionization Detector (PID). Pertinent information was recorded on boring logs which are provided in Appendix - B. Table - 1 contains the XRF results. Observations made during completion of the soil borings were used to determine what intervals if any would be collected for laboratory analysis. Strong solvent odors and elevated PID response were common in borings throughout the southern and eastern areas of the site. Shallow fill

material on the northeastern and northwestern sections of the property contained elevated total metal concentrations. Soil samples were collected from 25 soil boring locations. Multiple soil samples were collected at a few locations to evaluate the vertical extent of contamination.

Four 3/4-inch PVC pre-packed monitoring wells were installed on the subject property in an attempt to determine the hydraulic gradient across the site, and to collect analytical samples of the ground water (Figure - 3). MW-102 was installed in the area where USTs were reported to have been removed. Three of the wells were installed at roughly 16 feet below grade with 10 foot wells screens. Monitoring well MW-103 was installed at approximately 23 feet below grade with an eight foot well screen. Laboratory analytical samples were collected from all four monitoring wells. Four ground water grab samples were collected from various soil borings locations throughout the site to further characterize ground water conditions (Figure - 4). The grab samples were collected using a stainless steel screen point sampler and peristaltic pump.

2.3 Analytical Results

This section of the report provides information on analytical data obtained from the soil and ground water samples collected during the ARA. Table-2 contains a list of samples collected during the ARA and pertinent information relevant to each sample. Soil and ground water samples were laboratory analyzed for a number of analytical parameters which may have included VOCs, Semi-Volatile Organic Compounds (SVOCs), Pesticides, Poly Chlorinated Byphenols (PCBs), Total Metals, Toxicity Characteristic Leaching Procedure (TCLP) metals, Fraction of Organic Carbon (FOC),

and Total Petroleum Hydrocarbons (TPH). Sample collection procedures and Chain of Custody (COC) tracking requirements were consistent with Illinois EPA Bureau of Land (BOL) Standard Operation Procedures (SOPs). COC forms generated during the ARA are provided in Appendix – C. Appendix - D contains photos taken at each sampling location to document sampling activities. Quality Assurance and Quality Control (QAQC) samples including field blanks, trip blanks, duplicates, and Matrix Spike/Matrix Spike Duplicates (MS/MSD) were also collected in accordance with Illinois EPA BOL SOPs.

Laboratory samples were analyzed for VOCs, SVOCs, Pesticides and PCBs at the Illinois EPA's Organic Laboratory, and STAT Analysis Corporation (an Illinois EPA contract laboratory) performed analyses for total metals, mercury, cyanide, TCLP metals, TPH, and FOC. Analytical summary tables are included in the tables section of the report. The analytical data package is included as Appendix E.

All detected analytical concentrations are compared to the respective remediation objectives (RO's) for Residential and Industrial/Commercial property use scenarios of the Illinois EPA document 35 IAC, Part 742 Tiered Approach to Corrective Action Objectives (TACO) guidance document.

2.3.1 Metals

Five (5) soil borings (GP-101 thru GP-104 & MW-101SB) were installed by the Illinois EPA on the northeast corner of the site to determine the extent of fill material identified in LFR boring SP-7 (Figure - 2). This area is covered by asphalt and concrete. The fill typically underlies the asphalt and is present to 2.5 feet at its maximum depth

(GP-104). The thickness varies across this area but is generally less to the north. The horizontal extent was not completely defined, as fill material was present in each boring except SP-6 (LFR). Antimony, lead, chromium, copper and mercury were detected at concentrations exceeding TACO Tier 1 Corrective Action Objectives (CAOs)(Table - 3). Concentrations were generally higher at SB-7 (LFR) and GP-104, with lead yielding the highest concentrations. A TCLP metals sample was collected at GP-104. Cadmium and lead exceeded the Tier 1 migration to Class I ground water CAOs. The lead concentration was 20 mg/L, four times the characteristically hazardous concentration of 5 mg/L. Based on the LFR boring log (LFR, 2008) and visual inspection of the fill material in the area, the fill material sampled at SB-7 (LFR) and GP-104 was slightly different in composition than the fill material present in the other borings.

A ground water sample was collected from GP-105 and MW-101 near the contaminated fill area (Figure - 4). Arsenic, iron and lead exceeded the Class I ground water standard at GP-105. Manganese exceeded the Class I ground water standard at MW-101.

Six (6) soil samples collected from the western half of the site contained lead at concentrations above the Tier I pH based migration to Class I ground water CAO (Table - 3). Of those six (6) only samples from HA-126 and GP-130 were found to exceed Tier 1 ingestion and inhalation CAOs. Hand auger boring HA-126 was located between buildings where a PVC pipe exited the wall and extended to an outside drain cover. The sample was collected from near surface material. Sample X-130R was collected from the northwest corner of the site and consisted of a combination of fill material present from four inches below the surface to two feet below grade (Appendix - B). Antimony,

arsenic, and chromium were also detected at concentrations exceeding Tier 1 ingestion, inhalation, and migration to ground water CAOs (Table - 3). A TCLP metal sample collected from GP-130 contained arsenic, barium, and lead above ground water CAOs. The TCLP lead concentration was well above the characteristically hazardous level of 5 mg/L.

2.3.2 Volatile Organic Compounds (VOCs)

VOC analysis was performed on soil and ground water samples throughout the North Chicago site. Analytical results are summarized in Table-3. Ten VOCs were detected in soil samples above Tier 1 ROs. Three VOCs were detected in ground water above Class I ground water ROs. Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX) were the most widespread compounds found to exceed Tier 1 ROs. BTEX contamination in soil above Tier 1 ROs is present primarily in an area south and east of GP-116. This contamination appears to be related to the former underground storage tank farm area located in the southeast corner of the site, associated above ground piping to a pumping station located near GP-111, and potential east-west utility conduits in the vicinity of GP-112. The default soil attenuation capacity or 2000 mg/kg was exceeded at locations GP-109, 110, 113, & 116. Soil saturation limits for one or more compounds including toluene, ethylbenzene, and total xylenes were exceeded at GP-110, 111, 113, & 116. BTEX contamination is expected to be present off site to the south at concentrations above Tier 1 ROs, and potentially soil saturation limits. VOC contamination above Tier 1 ROs extends from near surface soils to depths as great as 11.5 feet.

Benzene concentrations in ground water were found to exceed Class I ground water ROs at GP-105, GP-106, and MW-102. Trichloroethylene was detected in MW-104 at a concentration exceeding the Class I ground water RO.

2.3.3 Other Compounds of Concern

Other compounds detected in soil above Tier 1 ROs include 4-methyphenol, benzo(a)pyrene, and aroclor 1260 (PCB) (Table-3). Distribution of these compounds appears to be limited. Naphthalene, and 2-methylnaphthalene were detected in ground water above Class I ground water ROs.

3.0 SUMMARY AND CONCLUSIONS

In February 2008, the City of North Chicago passed a resolution requesting the assistance of the Illinois Environmental Protection Agency's (Illinois EPA's) Office of Site Evaluation (OSE) in conducting an assessment of environmental conditions on property located at 1901 Sheridan Road (a.k.a. 1950 Marquette) in North Chicago, Illinois. A Phase I Environmental Site Assessment and subsequent Screening-Level Subsurface Investigation identified various recognized environmental conditions where hazardous substances were identified in subsurface materials. In May and June of 2008, the OSE installed 29 soil borings and four monitoring wells to evaluate subsurface conditions. Field observations and analytical sample results identified two locations where characteristically hazardous concentrations of lead are present in fill material near the surface, and confirmed that VOC contamination is present in the soil and ground

water at the former UST farm and southern third of the property. VOC contamination is expected to have migrated beyond the southern property boundary.

Upon receiving the results of the Redevelopment Assessment, the City of North Chicago elected not to purchase the subject property due to the estimated costs of remediation. No further action was planned for the subject property at that time. The buildings on the property have recently been demolished by the City of North Chicago. Remediation of contaminated soil and ground water may occur in the future pending the results of the City's application for a competitive brownfields grant.

4.0 REFERENCES

(LFR, 2005) – LFR, Inc. "Phase I Environmental Site Assessment", October 21, 2005, 009-11458-00.

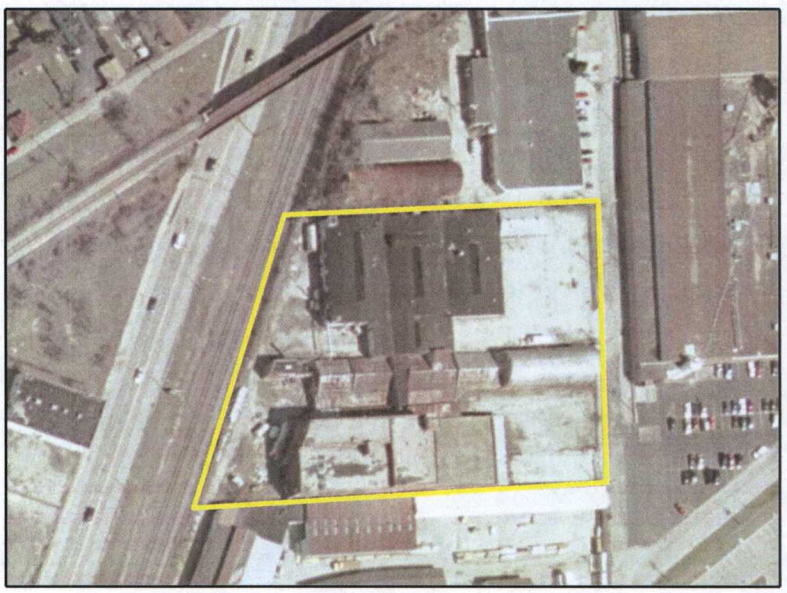
(LFR, 2008) – LFR, Inc. "Screening-Level Subsurface Investigation", January 8, 2008, LFR Project No. 009-12095-00.

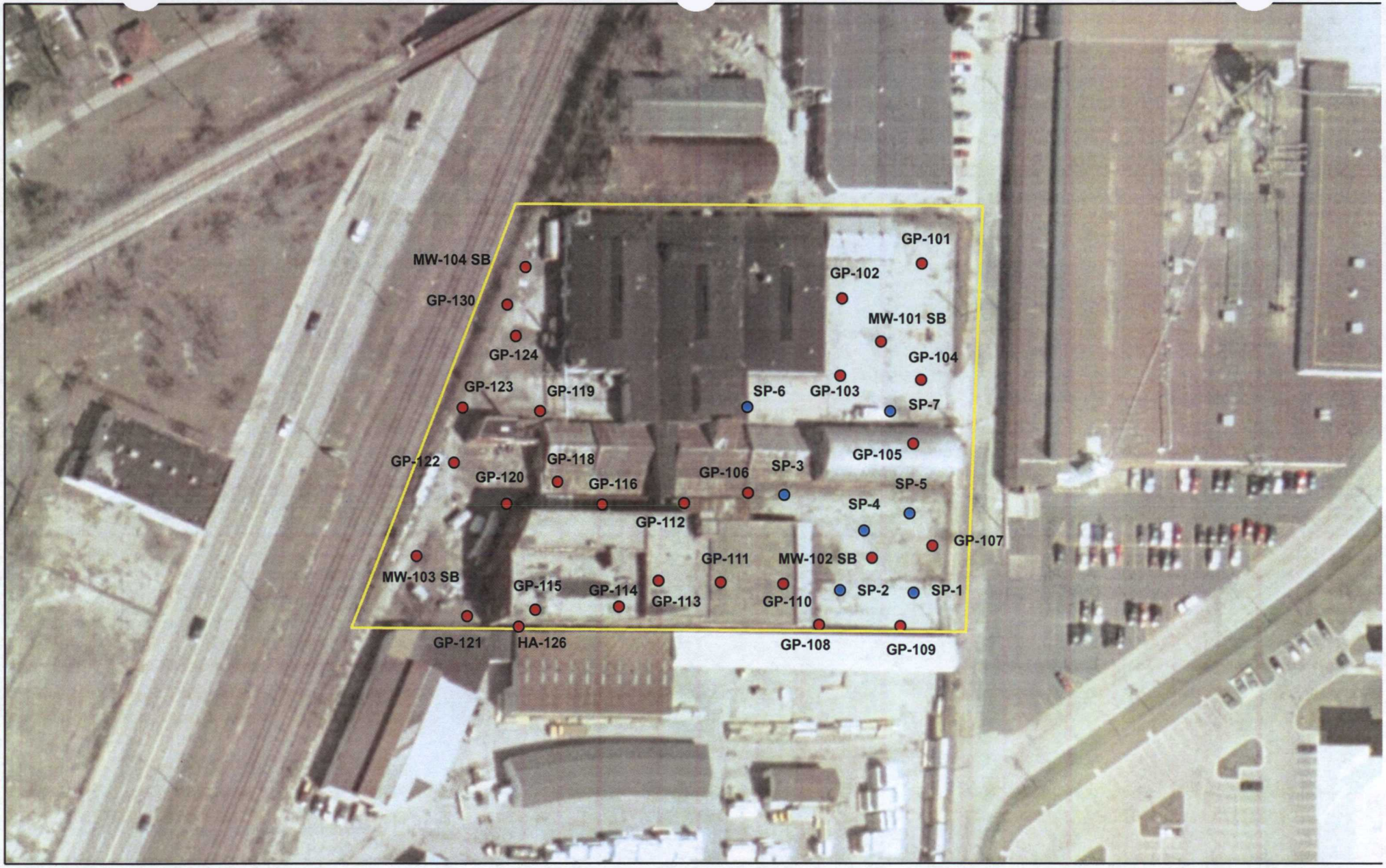
Illinois EPA Bureau of Land (BOL) Division File, Chemical Packing, LPC# 0971255020

Title 35 Illinois Administrative Code (IAC) Part 742, "Tiered Approach to Corrective Action Objectives", March 2007.

FIGURES

Figure -1
North Chicago Redevelopment Site
Site Location Map





N
W E
S

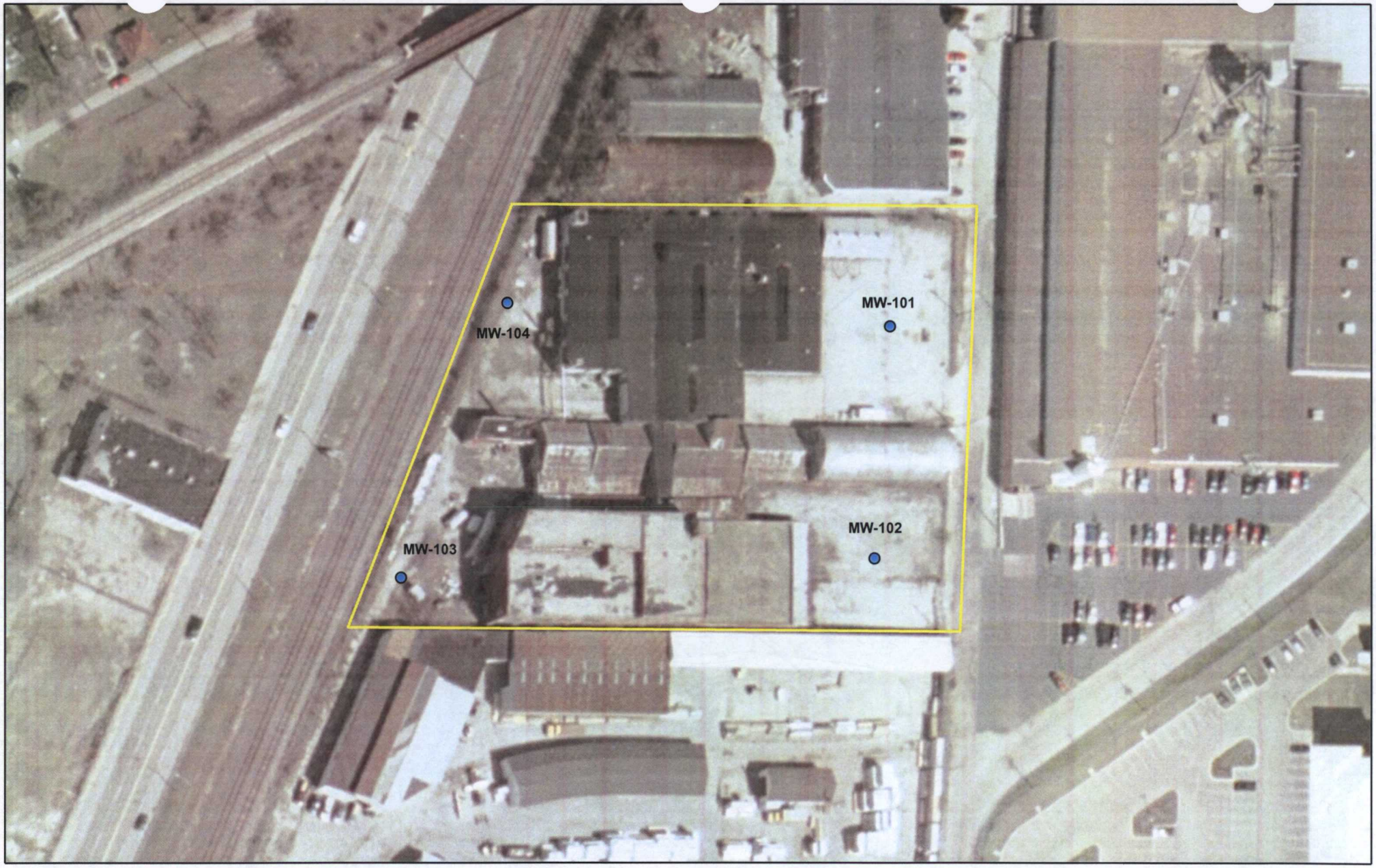
0 50 100 200 Feet

Figure - 2
North Chicago Redevelopment Assessment
Soil Boring Location Map

IEPA Boring

LFR Boring

Inside building locations are approximate.



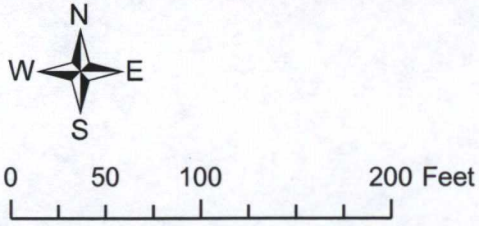
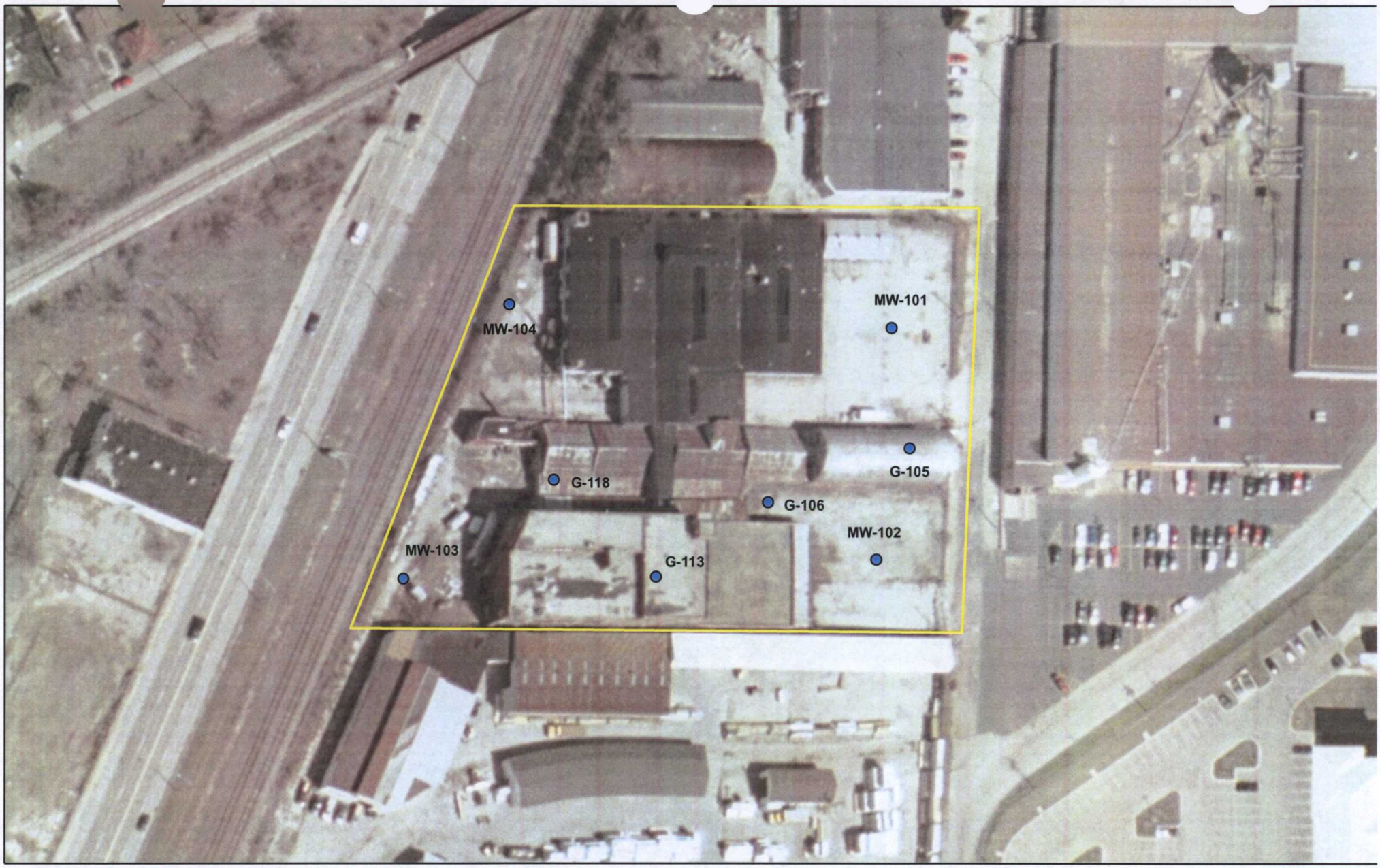


Figure - 3
North Chicago Redevelopment Assessment
Prepack Well Location Map



N
W E
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0 50 100 200 Feet

Figure - 4
North Chicago Redevelopment Assessment
Groundwater Sample Location Map

NOTE: Inside building locations are approximate.

TABLES

TABLE - 1
XRF Data

Description	No	Ssec	Date/Time	Pb	Pb Error	As	As Error	Cr	Cr Error	Cu	Cu Error	Ni	Ni Error	Zn	Zn Error	Fe	Fe Error	Hg	Hg Error	Mn	Mn Error	Co	Co Error	Se	Se Error	Sr	Sr Error	Zr	Zr Error	Rb	Rb Error	Mo	Mo Error
Calibration	1	34.5	5/27/2008 13:17	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
" "	2	119.9	5/27/2008 13:18	<LOD		11.4	<LOD	11.1	<LOD	64.8	<LOD	42.9	<LOD	76.2	<LOD	25.2	<LOD	93.75	<LOD	7.05	<LOD	103.65	<LOD	66	<LOD	5.4	<LOD	8.85	5.3	3.2	<LOD	4.2	<LOD	5.1
" "	3	120.7	5/27/2008 13:26	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
" "	4	119.7	5/27/2008 13:30	5619.2	150	645.6	110	<LOD	390	2889.6	180	<LOD	255	7008	200	34099.2	889.6	<LOD	37.35	9516.8	690	<LOD	495	<LOD	18.3	290.6	21.5	113.7	11.3	140.2	14.4	21.1	6.7
" "	5	120.6	5/27/2008 13:37	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
" "	6	21.2	5/27/2008 15:39	<LOD		40.8	<LOD	39	<LOD	300	<LOD	134.85	<LOD	285	<LOD	82.05	10796.8	829.6	<LOD	20.55	<LOD	840	<LOD	570	<LOD	14.25	<LOD	30	49	13.5	36	14.7	<LOD	14.55
" "	7	34.5	5/28/2008 6:46	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
GP-107	8	30.9	5/28/2008 7:35	40.8	23.3	<LOD	34.95	357.4	190	<LOD	108.9	<LOD	240	<LOD	65.55	13696	780	<LOD	18.45	<LOD	735	<LOD	480	<LOD	13.35	<LOD	25.95	77.6	12.9	65.5	15.1	<LOD	13.2
" "	9	30.2	5/28/2008 7:37	<LOD	38.1	<LOD	39.45	<LOD	390	<LOD	147.45	<LOD	315	<LOD	82.35	13196.8	940	<LOD	23.55	<LOD	960	<LOD	630	<LOD	17.25	<LOD	30.15	68.2	15	57.2	17.3	20.4	12.1
" "	10	19.4	5/28/2008 7:39	<LOD	31.05	<LOD	39.3	556.4	290	<LOD	142.65	<LOD	315	91.7	61.1	13593.6	980	<LOD	20.7	<LOD	1020	<LOD	660	<LOD	15.6	<LOD	29.7	77.8	15.9	52	17	<LOD	17.25
" "	11	20.3	5/28/2008 7:49	<LOD	37.2	<LOD	38.85	<LOD	375	<LOD	125.1	<LOD	285	<LOD	81.75	13299.2	949.6	<LOD	22.8	<LOD	990	<LOD	630	<LOD	15.75	<LOD	32.55	70	15.5	37.3	15.2	<LOD	15.6
" "	12	20.3	5/28/2008 7:51	48.7	29.1	<LOD	38.55	429.6	240	<LOD	133.8	<LOD	285	<LOD	84.3	11296	860	<LOD	19.5	<LOD	840	<LOD	570	<LOD	15.15	<LOD	35.25	73.9	15.9	51.6	17	<LOD	16.05
" "	13	21.9	5/28/2008 8:08	56.2	28.2	<LOD	40.95	<LOD	285	<LOD	123.75	<LOD	255	114.4	56.6	9235.2	700	<LOD	20.7	<LOD	735	<LOD	465	<LOD	15.3	<LOD	28.5	73.6	14.2	47.1	15	<LOD	14.7
" "	14	21.1	5/28/2008 8:10	<LOD	32.1	<LOD	33.3	<LOD	315	<LOD	120	<LOD	255	<LOD	76.35	11398.4	800	<LOD	19.2	<LOD	810	<LOD	540	<LOD	13.65	<LOD	27.9	75.3	14.3	55.1	15.9	<LOD	14.85
GP-108	15	21.1	5/28/2008 9:17	<LOD	32.55	<LOD	36.6	<LOD	300	<LOD	131.85	<LOD	270	89.5	57.9	13299.2	909.6	<LOD	21.75	<LOD	855	<LOD	570	<LOD	16.05	<LOD	30.45	62.4	14.3	54.3	16.6	<LOD	15
" "	16	21.1	5/28/2008 9:19	<LOD	31.8	<LOD	33.6	<LOD	300	<LOD	118.65	<LOD	225	<LOD	73.8	6438.4	590	<LOD	22.05	<LOD	660	<LOD	405	<LOD	13.95	<LOD	29.25	42	12.2	40.6	14.5	<LOD	14.4
" "	17	21.1	5/28/2008 9:20	<LOD	28.05	<LOD	28.95	<LOD	255	<LOD	118.8	<LOD	240	<LOD	72.15	9888	740	<LOD	16.65	<LOD	750	<LOD	495	<LOD	11.85	<LOD	27.9	37.8	11.7	39.7	14	15.3	10.2
" "	18	21.1	5/28/2008 9:32	<LOD	28.95	<LOD	33.3	<LOD	300	<LOD	113.7	<LOD	240	<LOD	72	10694.4	770	<LOD	18.15	<LOD	780	<LOD	510	<LOD	13.65	<LOD	26.1	23.6	10.3	16.4	10.6	<LOD	13.5
" "	19	21.1	5/28/2008 9:33	<LOD	25.8	<LOD	29.4	<LOD	240	<LOD	100.35	<LOD	210	<LOD	58.95	5129.6	510	<LOD	16.35	<LOD	555	<LOD	390	<LOD	14.1	<LOD	25.35	<LOD	13.2	21.2	10.9	<LOD	11.7
Calibration	20	34.5	5/28/2008 14:03	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
GP-106	21	19.6	5/28/2008 14:06	<LOD	45.45	<LOD	46.05	<LOD	360	<LOD	165	<LOD	300	<LOD	114.6	6777.6	800	<LOD	27.15	<LOD	915	<LOD	585	<LOD	18.3	<LOD	35.85	42.1	15.8	23.9	15.7	<LOD	18.9
" "	22	20.4	5/28/2008 14:08	<LOD	45.6	<LOD	46.65	452.8	280	<LOD	165	<LOD	315	154.5	74.6	10400	880	<LOD	25.05	<LOD	960	<LOD	585	<LOD	16.2	<LOD	36.15	53	15.3	47.1	17.6	<LOD	18
" "	23	20.3	5/28/2008 14:10	<LOD	32.1	<LOD	32.85	428.8	250	<LOD	136.8	<LOD	285	<LOD	85.5	7827.2	750	<LOD	21.9	<LOD	825	<LOD	540	<LOD	14.25	<LOD	33.9	<LOD	17.7	25.6	14.1	<LOD	16.05
" "	24	21	5/28/2008 14:12	66.8	30.5	<LOD	43.05	<LOD	300	<LOD	137.7	<LOD	270	139.5	62.5	10598.4	800	<LOD	20.55	<LOD	825	<LOD	540	<LOD	14.7	<LOD	31.35	85.5	15.8	65.7	17.8	<LOD	15.15
" "	25	22.1	5/28/2008 14:44	<LOD	36.6	<LOD	40.65	<LOD	330	<LOD	135.6	<LOD	285	108	64.1	3657.6	510	<LOD	20.85	<LOD	660	<LOD	405	<LOD	18.15	<LOD	27.15	17.4	10.9	<LOD	17.85	<LOD	15.15
MW-102	26	21.2	5/28/2008 15:55	<LOD	45.75	<LOD	45.6	<LOD	435	<LOD	165	<LOD	345	<LOD	100.8	13990.4	1200	<LOD	27.45	<LOD	1185	<LOD	765	<LOD	22.95	<LOD	38.1	67	18.2	69.1	22.5	<LOD	18.75
" "	27	20.3	5/28/2008 15:57	<LOD	40.35	<LOD	39.45	<LOD	315	<LOD	133.8	<LOD	270	<LOD	72.75	8704	760	<LOD	21.6	<LOD	825	<LOD	525	<LOD	16.95	<LOD	34.05	78.6	16.4	45.3	16.5	<LOD	16.5
" "	28	19.5	5/28/2008 15:58	<LOD	54.75	<LOD	54.9	<LOD	360	<LOD	180	<LOD	375	<LOD	120.3	8185.6	900	<LOD	29.7	<LOD	960	<LOD	615	<LOD	21	<LOD	42.9	51.5	17.8	<LOD	24.9	<LOD	18.15
" "	29	21.2	5/28/2008 16:13	90.5	32.9	<LOD	46.5	<LOD	270	<LOD	132.9	<LOD	255	236.4	68.8	10995.2	800	<LOD	20.4	<LOD	795	<LOD	525	<LOD	15.3	<LOD	30.9	50	13.1	46.3	15.3	<LOD	13.8
" "	30	21.1	5/28/2008 16:15	52.1	28	<LOD	43.95	<LOD	300	<LOD	135.9	<LOD	255	168.4	64.4	8819.2	710	<LOD	17.85	<LOD	720	<LOD	480	<LOD	15.15	<LOD	28.35	56.4	13.5	39.3	14.4	<LOD	14.85
Calibration	31	34.5	5/29/2008 6:56	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
" "	32	120.1	5/29/2008 6:56	<LOD	11.55	<LOD	11.25	<LOD	64.8	<LOD	40.8	<LOD	74.1	<LOD	25.35	<LOD	93	<LOD	6.9	<LOD	99.75	<LOD	59.55	<LOD	5.4	<LOD	8.85	5.6	3.2	<LOD	4.2	<LOD	5.1
" "	33	121.1	5/29/2008 7:02	5737.6	150	577.2	110	<LOD	390	2739.2	180	<LOD	255	7084.8	200	34380.8	900	<LOD	37.65	9996.8	700	<LOD	495	<LOD	18.45	302.4	21.8	115.5	11.4	144.3	14.6	21.4	6.8
MW-101	34	20.2	5/29/2008 7:17	222.6	58.1	<LOD	84.3	532.8	350	427.6	170	<LOD	420	852.8	140	24499.2	1500	103.2	31.9	<LOD	1410	2049.6	690	33.3	19.5	<LOD	37.05	456	38.4	34.2	17.2	30.9	18.8
" "	35	20.3	5/29/2008 7:19	82.6	44.9	<LOD	64.8	635.2	370	<LOD	225	<LOD	420	273.6	100	19993.6	1500	<LOD	30.9	<LOD	1410	<LOD	975	<LOD	25.2	<LOD	41.85	107.4	22.3	59.7	22.3	<LOD	22.2
" "	36	20.3	5/29/2008 7:21	<LOD	44.25	<LOD	47.55	666.8	350	<LOD	150	<LOD	360	118.1	67.3	25792	1500	<LOD	24.3	<LOD	1380	<LOD	870	<LOD	19.35	<LOD	30.9	62.3	15.2	75.6	20.4	21.8	12.6
" "	37	20.3	5/29/2008 7:22	<LOD	42.3	<LOD	47.7	778.8	380	<LOD	165	<LOD	390	<LOD	97.8	20096	1400	<LOD	28.8	<LOD	1380	<LOD	855	<LOD	18.3	<LOD	32.55	37.1	14.1	46.8	18.2	<LOD	19.35
" "	38	20.3	5/29/2008 7:28	<LOD	33.15	<LOD	35.55	397.6	220	<LOD	119.1	<LOD	270	<LOD	72.9	7488	690	<LOD	21.75	<LOD	735	<LOD	495	<LOD	13.5	<LOD	32.4	54.5	14.3	32.1	14.4	<LOD	16.35
" "	39	20.2	5/29/2008 7:29	<LOD	36.3	<LOD	34.5	517.6	240	<LOD	125.55	<LOD	255	<LOD	71.55	6585.6	630	<LOD	18.6	<LOD	720	<LOD	465	<LOD	16.35	<LOD	32.1	50.9	13.7	29.6	13.6	<LOD	14.25
" "	40	20.4	5/29/2008 7:31	<LOD	44.7	<LOD	47.55	1140	400	<LOD	165	<LOD	405	<LOD	93.6	12697.6	1200	<LOD	30	<LOD	1185	<LOD	765	<LOD	19.65	<LOD	41.4	93	21.3	51.1	21.1	<LOD	23.7
" "	41	20.3	5/29/2008 7:36	<LOD	38.55	<LOD	40.2	816.8	290	<LOD	149.55	<LOD	285	<LOD	86.7	9849.6	820	<LOD	24.6	<LOD	885	<LOD	540	<LOD	18.6	<LOD	33.15	80.9	16.7	49.5	17.3	<LOD	17.55
" "	42	20.4	5/29/2008 7:39	<LOD	34.05	<LOD	39.3	712.4	330	<LOD	165	<LOD	315	<LOD	99.75	10099.2	929.6	<LOD	20.85	<LOD	1050	<LOD	630	<LOD	18.45	<LOD	35.4	65.2	17	51.1	18.9	<LOD	18.9
GP-101	43	20.9	5/29/2008 8:30	55.6	31.5	<LOD	45.3	<LOD	435	<LOD	150	<LOD	315	131.2	67.9	17792	1100	<LOD	23.25	<LOD	1140	<LOD	735	<LOD	16.8	<LOD	31.95	86.2	16.8	54.3	17.6	<LOD	18.45
" "	44	20.9	5/29/2008 8:31	45.4	28.6	<LOD	43.5	<LOD	585	<LOD	180	<LOD	435	763.6	110	54784	2400	<LOD	24.75	<LOD	1800	<LOD	1200	<LOD	15.3	<LOD	33.6	65.8	15	43.6	15.9	<LOD	16.5
" "	45	21	5/29/2008 8:33	<LOD	31.2	<LOD	34.2	686.8	280	<LOD	127.65	<LOD	285	123.4	60.6	13798.4	940	<LOD	20.85	<LOD	960	<LOD	615	<LOD	16.8	<LOD	31.35	50.2	13.6	20	12.2	<LOD	16.5
" "	46	20.2	5/29/2008 8:34	40.1	26.5	<LOD	37.5	506.8	250	<LOD	136.95	<LOD	255	177.9	65.1	8044.8	690	<LOD	16.8	<LOD	795	<LOD	495	<LOD	15.6	<LOD	30.3	102.5	16.7	42.5	14.9	<LOD	17.4
" "	47	20.3	5/29/2008 8:40	<LOD	37.8	<LOD	40.2	672.8	300	<LOD	126.75	<LOD	300	<LOD	87.6	14899.2	1000	<LOD	22.05	<LOD	1035	<LOD	690	<LOD	17.1	<LOD	34.95	121.9	19.4	42.8	16.3	<LOD	18.6
" "	48	20.2	5/29/2008 8:41	<LOD	35.1	<LOD	37.5	<LOD	450	<LOD	138.9	<LOD	330	100.5	60.7	22092.8	1300	<LOD	24.3	<LOD	1230	<LOD	795	<LOD	16.5	<LOD	31.35	70.2	15.3	50.6	16.8	<LOD	16.2
" "	49	20	5/29/2008 8:43	<LOD	35.55	<LOD	34.2	660.8	310	<LOD	141.15	<LOD	315	<LOD	84.6	19494.4	1200	<LOD	20.7	<LOD	1170	<LOD	735	<LOD	14.25	<LOD	29.25	52.6	13.8	38	15	<LOD	16.5
Error	50	11.9	5/29/2008 9:14	<LOD	28.65	<LOD	29.55	<LOD	240	<LOD	270	<LOD	195	4809.6	260	2000	330	<LOD	23.7	<LOD	405	<LOD	270	<LOD	13.2	<LOD	20.7	17.2	8.9	<LOD	11.7	<LOD	12.15
GP-102	51	21.1	5/29/2008 9:24	66.1	40.6	<LOD	67.8	1229.6	480	622.4	190	<LOD	525	689.6	140	54886.4	2800	55.9	27.4	<LOD	2100	<LOD	1424.4	<LOD	24.6	<LOD	38.1	187	26	65.1	21.8	154.9	24.5
" "	52	20.2	5/29/2008 9:25	<LOD	53.7	<LOD	57.6	940	430	245.4	160	<LOD	480	560.4	120	40192	2099.2	<LOD	33.45	<LOD	1800	<LOD	1185	<LOD	21.6	<LOD	32.4	136.9	21.6	64.2	20.5	95.8	19.7
" "	53	20.1	5/29/2008 9:27	194.3	44.4	<LOD	60.3	1009.6	290	182.4	120	<LOD	300	581.6	97.2	15193.6	969.6	<LOD	26.7	<LOD	960	<LOD	645	<LOD	15.45	<LOD	30.9	113.9	17.3	53.6	16.4	<LOD	16.2
" "	54	20.2	5/29/2008 9:29	<LOD	33.9	<LOD	32.1	<LOD	360	<LOD	129.15	<LOD	270	114.2	58.2	9158.4	730	<LOD	18	912.8	570	<LOD	495	<LOD	15.15	<LOD	30.3	131.8	18.3	36.3	14.1	<LOD	17.1
" "	55	21.1	5/29/2008 9:33	<LOD	39.3	<LOD	41.1	680	310	<LOD	132.75	<LOD	300	109.9	60.4	18790.4	1100	<LOD	21.75	<LOD	1155	<LOD	735	<LOD	15	<LOD	34.35	61.6	14.8	41.1	15.5	<LOD	16.35
" "	56	20.3	5/29/2008 9:34	<LOD	36.15	<LOD	37.95	<LOD	420	<LOD	140.85	<LOD	330	<LOD	87.15	23692.8	1400	<LOD	19.95	<LOD	1200	<LOD	810	<LOD	17.25	<LOD	32.4	109	18.3	76.4	20	<LOD	18.45
" "	57	20.1	5/29/2008 9:38	<LOD	35.7	<LOD	36.15	510.4	280	<LOD	129.45	<LOD	315	105.9	57.3	23296	1300	<LOD	20.85	<LOD	1155	<LOD	765	<LOD	15.3	<LOD	27	44.4	12.4	49.8	15.7	<LOD	14.4
GP-103	58	31.4	5/29/2008 11:32	72.8	37.2	<LOD	57	952.8	330	400.8	150	<LOD	405	510.4	100	35788.8	1699.2	91	26.6	<LOD	1334.4	2009.6	690	24.5	16.2	<LOD	34.2	2859.2	110	41.5	16.3	67	32.3
" "	59	20.3	5/29/2008 11:36	<LOD	47.85	<LOD	48.3	<LOD	315	<LOD	165	<LOD	300	120.3	74.2	4838.4	620	<LOD	26.55	<LOD	660	<LOD	480	<LOD	19.95	<LOD	29.4	<LOD	16.5	<LOD	18.3	<LOD	15.45
" "	60	20.3	5/29/2008 11:38	<LOD	35.7	<LOD	37.35	<LOD	360	<LOD	143.1	<LOD	300	<LOD	83.7	14694.4	1000	<LOD	22.8	<LOD	1020	<LOD	645	<LOD	15.9	<LOD	33.3	121.7	19.6	60	18.7	<LOD	17.55
" "	61	20.3	5/29/2008 11:44	<LOD	36	<LOD	36.6	<LOD	315	<LOD	125.55	<LOD	300	<LOD	80.1	14400	1000	<LOD	19.2	<LOD	1005	<LOD	660	<LOD	15.3	<LOD	31.65	31.2	12.6	40.7	15.8	<LOD	16.8
" "	62	20.2	5/29/2008 11:45	<LOD	33.45	<LOD	37.35	868	300	<LOD	142.35	<LOD	300	<LOD	83.4	11699.2	889.6	<LOD	19.5	<LOD	930	<LOD	600	<LOD	19.5	<LOD	29.1	25.7	11.7	38.3	15.1	<LOD	16.05
" "	63	20.2	5/29/2008 11:52	<LOD	36	<LOD	36.45	<LOD	300	<LOD	127.5	<LOD	270	89.7	59	12499.2	920	<LOD	23.4	<LOD	855	<LOD	615	<LOD	16.95	<LOD	28.95	18.5	10.9	21.4	12.7	<LOD	13.95
GP-104	64	29.9	5/29/2008 12:25	53.7	35.5	<LOD	52.65	<LOD	585	354.6	150	<LOD	495	429.2	100	60467.2	2699.2	62.9	24.4	<LOD	1950	<LOD	1334.4	<LOD	22.8	<LOD	38.4	174.7	22.6	94.7	22.5	42.9	15.4
" "	65	21.7	5/29/2008 12:29	2960	220	<LOD	255	<LOD	630	10195.2	840	<LOD	840	25894.4	1200	29798.4	1899.2	<LOD	81.6	<LOD	1650	<LOD	1095	<LOD	36.3	<LOD	48.15	107.3	22.7	42.9	20.6	<LOD	20.1
" "	66	21.2	5/29/2008 12:33	<LOD	34.95	<LOD	36.6	<LOD	315	<LOD	137.7	<LOD	270	<LOD	87.6	7878.4	720	<LOD	24.6	<LOD	795	<LOD	510	<LOD	17.4	<LOD	32.7	29.9	12.5	42.7	16.1	<LOD	15.45
" "	67	21.2	5/29/2008 12:35	<LOD	41.25	<LOD	40.65	<LOD	315	<LOD	141	<LOD	285	<LOD	78.9	10496	860	<LOD	21	<LOD	915	<LOD	570	<LOD	18.6	<LOD	34.8	48	14.5	43.8	16.6	<LOD	16.5
" "	68	21.2	5/29/2008 12:42	<LOD	46.05	<LOD	42.15	<LOD	390	<LOD	150	<LOD	300	<LOD	94.95	14195.2	1000	<LOD	21.6	<LOD	1035	<LOD	660	<LOD	18	<LOD	32.85	44.1	14.3	26.7	14.4	<LOD	17.55
" "	69	21.2	5/29/2008 12:44	<LOD	37.65	<LOD	38.7	<LOD	315	<LOD	139.65	<LOD	270	<LOD	81.75	9068.8	770	<LOD	25.2	<LOD	795	<LOD	510	<LOD	16.95	<LOD	30.6	33.2	12.4	22.5	13.1	<LOD	14.25
" "	70	21.1	5/29/2008 12:55	<LOD	29.4	<LOD	35.85	<LOD	270	<LOD	127.65	<LOD	240	<LOD	75.15	5558.4	570	<LOD	22.05	<LOD	660	<LOD	405	<LOD	13.5	<LOD	31.5	71.6	15	26.1	13.1	<LOD	15
HA-126	71	24.5	5/29/2008 14:15	522.8	62.5	<LOD	86.1	<LOD	270	<LOD	240	<LOD	255	3577.6	210	9484.8	670	<LOD	30.15	<LOD	735	<LOD	465	<LOD	13.5	<LOD	25.2	25.8	10	19.7	10.7	<LOD	12.15
" "	72	34.1	5/29/2008 14:25	579.6	53.3	<LOD	70.2	<LOD	225	270.8	140	<LOD	225	3459.2	170	15488	720	<LOD	22.95	<LOD	690	<LOD	480	<LOD	11.4	<LOD	19.65	66	10.3	24.5	9.1	<LOD	10.8
" "	73	22	5/29/2008 14:29	361.2	59.9	<LOD	81.75	<LOD	375	405.8	160	<LOD	315	1380	150	18892.8	1100	<LOD	28.35	<LOD	1035	<LOD	720	<LOD	18.15	<LOD	29.85	70.6	14.9	53	16.7	<LOD	16.8
" "	74	21	5/29/2008 14:33	307.6	56.5	<LOD	76.8	524.4	320	239.8	150	<LOD	345	1229.6	140	28979.2	1500	<LOD	30	<LOD	1350	<LOD	900	<LOD	17.7	<LOD	30.45	89.2	16.4	41.6	15.6	<LOD	15.9

TABLE - 1 (continued)
XRF Data

Description	Reading No	Time	Type	Duration	Units	Pb	Pb Error	As	As Error	Cr	Cr Error	Cu	Cu Error	Ni	Ni Error	Zn	Zn Error	Hg	Hg Error	Fe	Fe Error	Mn	Mn Error	Co	Co Error	Se	Se Error	Mo	Mo Error	Zr	Zr Error	Sr	Sr Error	Rb	Rb Error
Error	278	6/2/2008 15:38	BULK	7.46	ppm	2.06	26.73	39.04	26.51	-149.16	257.61	39.45	134.45	-18.77	205.52	553.63	138.18	-6.14	34.35	14088.21	1025.39	546.15	340.41	265.81	360.21	7.63	20.89	14.44	10.86	40.82	23.43	60.03	14.06	33.86	11.43
MW-104	279	6/2/2008 15:42	BULK	20.26	ppm	59.5	23.22	15.26	18.83	40.61	193.35	159.94	93.32	-12.2	132.11	685.68	93.24	6.2	22.79	11677.11	594.92	546.99	216.44	172.93	207.18	-4.61	12.13	3.11	6.09	48.03	15.2	65.7	9.22	33.8	7.2
" "	280	6/2/2008 15:44	BULK	20.07	ppm	38.9	19.46	-3.8	14.47	-15.35	163.24	57.85	78.4	-82.13	113.55	506.95	78.85	-12.98	19.47	7572.26	462.15	162.25	156.7	67.22	160	-5.52	10.8	1.62	5.34	10.93	12.47	70.87	8.9	32.65	6.66
" "	281	6/2/2008 15:47	BULK	20.26	ppm	71.66	26.1	28.04	21.59	-53.55	195.4	232.53	102.64	17.93	141.86	818.75	102.79	3.33	23.93	16174.06	711.54	612.87	234.64	84.84	240.07	15.01	14.85	2.01	6.31	54.21	16.14	69.72	9.79	38.66	7.87
" "	282	6/2/2008 15:49	BULK	20.25	ppm	17.07	16.74	10.91	13.65	154.13	178.46	65.14	74.9	30.7	113.62	412.11	71.71	13.89	19.98	8238.03	460.93	186.57	156.2	109.19	161.05	7.49	11.59	1.6	5.15	18.02	12.42	75.97	8.91	18.78	5.23
" "	283	6/2/2008 15:52	BULK	20.07	ppm	14.87	16.52	3.53	12.99	57.06	169.76	-2.39	72.88	34.75	115.62	440.47	74.17	13.93	20.43	7865.99	459.92	247.3	163.82	-53.33	152.29	-0.33	11.07	-3.71	4.78	8.3	12	66.32	8.54	22.85	5.7
" "	284	6/2/2008 16:10	BULK	20.26	ppm	28.91	18.01	1.65	13.86	174.24	183.38	-35.31	69.67	15.8	113.37	459.37	73.92	37.06	21.42	6639.75	423.92	432.32	181.08	83.51	148.46	-1.99	10.84	0.68	5.55	93.96	15.89	84.24	9.42	34.84	6.66
" "	285	6/2/2008 16:12	BULK	20.26	ppm	11.96	16.84	7.11	13.51	187.14	193.11	33.05	77.45	-57.6	115.49	492.27	78.47	0.99	20.4	8229.1	479.64	442.48	190.56	48.05	164.16	4.29	11.89	-1.28	5.62	93.29	16.32	77.37	9.29	26.89	6.19
" "	286	6/2/2008 16:13	BULK	20.26	ppm	51.43	23.86	-9.02	17.2	400.14	248.6	13.69	90.29	-12.72	138.56	577.73	92.58	16	24.6	8900.56	549.19	365.76	210.51	11.84	185.52	6.21	13.96	5.21	6.86	109.3	18.59	67.63	9.69	47.01	8.53
" "	287	6/2/2008 16:21	BULK	20.26	ppm	28.31	19.96	13.15	16.19	131.36	196.98	45.54	83.77	-27.64	125.41	576.63	86.16	9.71	22.24	7616.35	485.24	397.19	194.18	52.6	166.95	9.8	13.19	5.54	6.42	104.29	17.57	86.83	10.19	37.31	7.34
" "	288	6/2/2008 16:23	BULK	20.27	ppm	31.07	22.47	-6.21	16.61	-26.76	203.44	156.71	105.18	-15.27	148.85	637.82	100.59	23.41	26.66	7277.83	531.77	568.5	234.07	55.57	183.35	-0.4	14.14	-1.75	6.91	148.37	21.08	69.53	10.24	25.93	7.06
MW-103	289	6/2/2008 17:00	BULK	20.26	ppm	61.69	21.33	18.53	17.32	106.78	178.31	125.65	78.81	-43.82	111.65	906.05	90.81	-5.35	19.15	10037.21	506.2	586.12	197.57	177.15	178.1	4.97	11.47	1.12	6.17	213.62	20.09	86.19	9.45	46.29	7.47
" "	290	6/2/2008 17:01	BULK	20.46	ppm	14.21	22.7	21.08	19.3	261.99	272.27	17.14	106.32	-125.89	159.25	665.53	108.74	25.74	29.03	18566.97	832.07	851.03	290.94	345.8	290.88	21.92	17.6	11.48	8.34	155.18	22.52	72.43	10.97	46.21	9.28
" " (Error)	291	6/2/2008 17:02	BULK	2.3	ppm	41.79	65.72	23.35	56.14	-283.21	451.67	-23.46	261.56	101.83	429.26	615.62	278.37	-3.84	69.11	13601.03	1946.56	283.99	575.28	11.19	650.55	-6.39	37.08	-2.44	17.63	56.33	49.23	100.91	33.98	77.61	31.34
" " (Error)	292	6/2/2008 17:03	BULK	4.21	ppm	31.22	45.9	-11.52	32.69	464.27	558.39	42.56	197.84	-17.5	300.85	579.14	200.48	8.68	52.07	12580.25	1377.63	393.19	471.17	226.09	483.58	-2.47	28.04	-0.68	14.23	132.31	42.63	79.43	22.46	43.62	17.93
" " (Error)	293	6/2/2008 17:03	BULK	0.76	ppm	-35.01	69.85	77.07	94.67	464.62	1327.75	-124.31	408.78	-225.58	646.48	922.8	537.32	76.46	142.09	11843.97	3141.23	174.19	989.29	331.04	1134.53	24.51	80.5	-18.74	22.15	30.94	74.17	45.62	43.08	49.59	44.56
" "	294	6/2/2008 17:04	BULK	20.45	ppm	43.78	21.05	-0.29	15.83	48.36	187.62	64.82	82.93	30.15	125.8	493.63	81.27	-4.68	20.9	14539.69	628.33	501.99	205.27	-10.08	208.54	5.69	12.49	-0.89	5.99	123.69	18.56	140.41	12.42	52.39	8.32
" " (Error)	295	6/2/2008 17:09	BULK	4.39	ppm	-0.12	35.83	40.79	36.48	219.15	475.27	120.5	199.93	-142.81	275.14	1081.67	234.75	0.61	49.44	11480.43	1289.51	534.1	476.15	158.53	448.02	2.07	28.03	12.04	15.02	81.32	37.2	90.92	23.1	36.97	16.25
" "	296	6/2/2008 17:12	BULK	20.25	ppm	48.31	22.51	13.31	17.93	250.73	219.78	41.14	85.42	81.23	134.45	688.47	91.77	12.77	22.81	12453.38	602.83	421.48	205.59	146.1	208.2	12.08	13.65	7.55	6.72	119.02	18.23	77.99	9.83	49.14	8.31
" "	297	6/2/2008 17:14	BULK	20.28	ppm	42.02	21.73	-7.77	15.7	449.91	247.52	50.33	86.26	70.25	135.26	584.99	88.12	16.47	23.08	15698.39	670.1	481.45	218.04	254.14	233.47	7.76	13.26	7.91	6.77	121.24	18.31	72.75	9.58	60.67	9.1
" "	298	6/2/2008 17:15	BULK	20.26	ppm	33.31	25.34	18.87	21.15	-99.36	225.69	29.78	112.83	-39.87	169.85	838.07	119.89	-15.3	27.83	12792.39	729.26	379.45	242.34	-2.43	243.54	3.75	16.42	4.44	7.9	112.21	21.23	64.78	10.68	57.91	10.51
" " (Error)	299	6/2/2008 17:18	BULK	3.63	ppm	74.84	57.48	-32.39	36.89	136.04	465.64	8.09	193.64	285.38	326.7	458.59	190.66	-8.31	49.57	11530.83	1354.15	283.58	436.16	-497.41	391.42	4.08	29.57	-1.36	13.96	101.98	41.04	87.98	23.99	52.4	19.85
" "	300	6/2/2008 17:19	BULK	20.26	ppm	16.29	18.49	-0.36	13.92	151.8	201.13	93.27	85.16	-36.14	124.34	542.86	84.05	15.58	22.29	11580.48	572.49	238.03	179.93	217.18	201.79	11.36	13.18	1.05	6.08	108.41	17.49	79.75	9.75	59.36	8.83
" "	301	6/2/2008 17:21	BULK	20.26	ppm	44.79	23.12	-7.56	16.73	169.07	216.54	131.4	96.38	55.41	141.22	528.64	90.16	11.19	24.11	8640.51	540.35	562.95	224.71	33.79	183.78	9.54	14.16	2.48	5.94	-7.5	12.43	55.14	8.84	36.27	7.63
" " (Error)	302	6/2/2008 17:22	BULK	6.12	ppm	30.61	37.04	20.24	32.11	235.59	415.34	64.01	166.2	-34.59	251.34	556.95	164.74	16.28	44.04	14747.76	1222.24	62.1	322.01	567.91	452.15	-17.09	20.31	3.02	11.78	82.1	31.7	88.46	19.55	69.43	18.13
" "	303	6/2/2008 17:23	BULK	20.27	ppm	29.2	21.01	8.13	16.67	9.97	198.7	60	90.78	-15.77	137.13	506.13	88.1	8.35	23.63	13821.07	652.11	318.08	200.28	300.06	231.02	6.21	13.65	0.31	6.34	97.59	17.95	79.41	10.21	66.55	9.75
Error	304	6/3/2008 9:11	BULK	11.07	ppm	515.54	65.32	30.41	49.6	73.49	243.55	59.75	105.06	-70.93	152.71	1332.16	143.81	16.23	28.64	13072.94	783.19	607.25	278.4	-89.83	255.76	2.46	16.35	-2.76	7.74	150.88	24.66	67.7	11.85	33.75	9.17
Error	305	6/3/2008 9:12	BULK	1.91	ppm	577.7	165.27	-48.27	116.55	317.48	682.86	376.56	305.12	-7.73	372.63	1248.08	339.82	-18.93	62	13823.75	1932.02	-0.6	486.48	-501.79	568.86	-5.15	36.55	19.11	23.5	190.77	64.49	88.35	31.77	46.38	25.06
GP-121	306	6/3/2008 9:13	BULK	20.24	ppm	651.93	51.36	-45.3	36.43	186.24	184.89	196.24	79.25	-16.13	108.64	1420.21	103.62	4.09	19.1	13973.92	568.57	425.37	182.16	127.41	194.74	1.71	11.31	2.83	5.86	171.16	18.07	65.88	8.25	46.15	7.35
" "	307	6/3/2008 9:16	BULK	20.24	ppm	67.48	21.63	13.41	17.2	351.3	208.45	51.14	74.24	28.09	114.11	967.76	92.14	7.98	19.74	14119.25	584.07	506.7	195.9	60.35	196.88	2.66	11.17	8.77	6.39	173.54	18.71	89.69	9.59	49.13	7.61
" "	308	6/3/2008 9:17	BULK	20.24	ppm	14.99	15.71	20.09	13.83	186.94	187.41	-13.75	68.17	51.6	112.16	414.59	70.07	-0.45	18.65	18036.67	639.09	447.05	186.93	112.99	215.85	-0.69	10.48	0.4	5.94	207.42	19.38	88.83	9.34	47.91	7.38
" "	309	6/3/2008 9:27	BULK	20.24	ppm	26.8	17.2	-4.96	12.56	224.88	186.08	7.27	69.57	101.16	113.52	503.71	73.53	1.78	18.72	11141.85	514.25	114.23	148.93	1.45	172.14	3.47	10.86	-2.89	5.15	98.54	15.56	72	8.52	42.04	6.98
" "	310	6/3/2008 9:29	BULK	20.04	ppm	38.27	20.47	-1.85	15.07	265.41	206.75	92.19	82.13	78.74	124.49	442.83	77.4	-3.3	20.36	11252.31	552.37	241.12	176.33	27.66	186.13	17.47	13.26	1.37	5.77	78.16	15.86	79.53	9.48	49.05	7.95
" "	311	6/3/2008 9:31	BULK	20.24	ppm	11.72	16.23	12.6	13.48	207.31	192.19	55.86	75.48	104.56	119.41	404.77	72.08	2.06	19.52	12377.5	554.05	513.54	194.35	168.1	192.15	7.46	11.68	1.66	5.63	97.76	15.83	62.12	8.2	48.68	7.61
" " (Error)	312	6/3/2008 9:58	BULK	3.82	ppm	55.24	48.17	-3.94	35.65	100.88	423.99	66.3	177.85	-320.99	228.26	516.7	181.18	-31.57	41.68	12558.93	1314.35	354.57	420.9	162.48	454.88	-3.03	25.15	5.36	13.67	82.37	35.96	64.77	19.47	53.97	18.71
" "	313	6/3/2008 10:00	BULK	20.24	ppm	16.65	17.31	16.66	14.61	234.12	199.5	54.93	77.54	59.76	119.99	460.81	76.21	11.02	20.62	13321.08	582.5	401.44	189.17	36.9	195.7	7.35	12.02	6.67	6.17	112.53	16.66	58.15	8.15	51.79	7.97
" "	314	6/3/2008 10:02	BULK	20.23	ppm	25.28	19.41	6.8	15.31	111.49	197.68	-20.84	79.4	100.12	132.5	435.05	79.57	25.42	22.87	14030.63	623.8	308.14	189.17	303.07	220.96	7.8	12.9	2.37	6.19	110.55	17.46	67.56	9.12	55.11	8.56
Error	315	6/3/2008 12:05	BULK	6.3	ppm	223	79.93	30.56	63.59	-2636.15	496.96	-75.9	200.31	143.2	329.83	704.32	211.04	6.36	54.88	2030.38	725.72	-18.68	372.16	-21.78	266.93	-5.59	30.22	-10.06	12.07	25.32	34.7	132.27	27.07	4.29	10.08
GP-110	316	6/3/2008 12:27	BULK	20.24	ppm	41.55	19.94	5.48	15.59	14.17	170.74	40.41	78.57	97.93	123.71	489.62	78.53	6.66	20.75	8764	492.62	278.74	172.16	-46.64	163.32	-2.49	11.24	3.88	5.87	74.5	15.63	82.92	9.6	37.77	7.09
" "	317	6/3/2008 12:28	BULK	20.04	ppm	18.48	18.09	15.22	15.45	204.46	215.01	26.22	83.72	80.96	132.25	561.64	86.29	-9.59	21.22	17246.26	694.87	297.37	195.53	-128.28	225.12	-5.77	11.6	-1.07	5.78	67.04	15.73	57.66	8.55	37.1	7.33
" "	318	6/3/2008 12:31	BULK	20.04	ppm	23.66	16.38	3.4	12.87	139.87	174.62	21.99	69.12	7.82	107.53	412.45	69.28	1.22	18.49	12535.97	538.57	128.4	148.94	42.89	181.54	-5.35	9.86	1.59	5.02	23.88	12.31	71.69	8.45	36.4	6.54
GP-111	319	6/3/2008 13:33	BULK	20.24	ppm	17.88	17.15	11.72	14.17	177.33	197.62	80.22	79.48	78.93	121.94	460.22	76.66	-9	19.53	18973.94	687.12	510.17	203.74	-23.28	226.51	3.74	11.66	5.39	5.83	59.73	14.68	70.4	8.81	43.3	7.4
" "	320	6/3/2008 13:35	BULK	20.05	ppm	18.15	17.76	12.82	14.76	-2.81	174.03	5.24	77.96	29.23	122.92	469.98	79.08	7.01	21.18	13139.58	595.43	202	170.59	-40.36	196.68	1.74	11.88	1.68	5.4	2.45	12.05	59.68	8.45	36.72	7.09
" "	321	6/3/2008 13:37	BULK	20.24	ppm	16.16	18.13	16.62	15.36	108.77	191.96	22.63	81.65	-105.59	120.4	462.7	81.01	-3.29	21.32	7707.96	486.32	459.67	199.07	91.53	169.25	4.77	12.57	0.87	6.15	117.92	17.97	78.92	9.71	27.07	6.44
Error	322	6/3/2008 14:42	BULK	11.08	ppm	84.47	31.91	18.72	25.79	1.01	241.26	25.02	103.67	135.97	170.53	705.85	116.42	0.14	27.21	21107.32	975.3	754.48	302.33	183.89	331.16	-4.9	14.71	7.52	8.57	133.04	24.02	85.96	13.05	51.08	10.75
Error	323	6/3/2008 14:43	BULK	10.69	ppm	65.28	27.58	16.3	22.26	19.88	210.96	39.06	91.92	-14.54	139.6	737.83	108.39	3.77	24.65	10300.44	658.81	382.61	227.22	48.28	223.76	-1.29	13.66	-4.26	7.51	217.31	25.95	70.03	11.19	38.99	8.99
Error	324	6/3/2008 14:50	BULK	5.73	ppm	-322.7	131.22	598.31	397.61	3043882.5	103939.55	1195.71	4107.64	202449.3	14387.38	5595.68	2792.11	218.99	685.47	4693185	88392.26	160403.16	42836.99	-45259.91	27747.2	408.79	433.61	3337.04	453.16	311.02	226.7	-74.72	58.82	6.97	59.33
Error	325	6/3/2008 14:51	BULK	3.44	ppm	-163.55	114.94	527.55	459.65	2730488.25	118383.69	2614.63	4692.37	163026.66	15817.51	2748.25	2903.78	-177.56	709.6	4085613.5	99178.55	126737.88	48093.94	16011.53	32699.73	-34.12	376.5	3236.46	533.36	18.54	185.82	-1.64	94.83	83.47	113.47
Calibration	326	6/3/2008 14:55	SHUTTEI	42.81	cps	0.61	0	1.69	0	0.72	0	1.45	0	2.13	0	3.12	0	11.22	0	1	0	0.69	0	0.8	0	15.88	0	38.34	0	3.13	0	48.42	0	5.88	0
Error	327	6/3/2008 14:55	BULK	1.91	ppm	-566.9	400.16	929.98	1183.53	5653583.5	330547.09	9019.31	13655.41	353347.78	44426.48	13195.64	9209.42	-55.57	2054.15	8275082	274100.44	340886.78	138222.36	-81346.74	85950.95	636.46	1321.79	8732.33	1690.52	737.71	755.71	-187.21	87.65	-73.04	19.07
Error	328	6/3/2008 15:06	BULK	3.06	ppm	-376	261.08	745.8	907.31	5116750	248791.16	4247.66	10301.52	352746.94	34940.37	7433.94	6605.44	418.56	1699.93	8159989	215197.25	323946.75	104930.48	-116152.39	66349.55	-8.93	855.81	7090.57	1208.21	128.29	416.04	-115.64	160.51	-70.33	26.4
Error	329	6/3/2008 15:07	BULK	1.14	ppm	3972.34	692.47	-1017.08	431.06	-942.81	1188.7	-40.11	486.97	-199.82	721.57	580.65	484.47	-11.67	130.12	1808.41	1699.08	237.58	1007.13	55.78	646.33	-55.54	63.58	78.03	52.45	6.52	71.27	41.3	42.08	7.81	30.63
Error	330	6/3/2008 15:08	BULK	5.54	ppm	125.22	49.81	5.72	37.75	636.08	443.66	-59.89	128.28	227.02	231.51	735.14	158.19	18.9	38.22	9605.48	926.38	-37.44	266.92	-13.32	310.48	1.67	21	-8.31	10.55	225.19	38.52	99.19	18.99	40.59	13.33
Error	331	6/3/2008 15:08	BULK	1.72	ppm	102	78.31	-5.9	58.49	229.18	633.35	65.91	244.88	-38.58	364.21	703.2	275.15	-1.21	63	8997.78	1594.1	211.72	535.27	322.1	588.85	-34	21.32	14.68	22.36	171.25	61.25	58.66	26.55	49.49	25.46
GP-113	332	6/3/2008 15:09	BULK	20.24	ppm	107.79	26.8	-8.53	19.43	48.29	185.12	52.65	82.29	41.1	125.44	661.94	87.96	-0.33	21.14	12063.04	580.03	417.99	195.38	-148.99	186.44	4.4	12.41	3.05	6.49	173.15	19.57	56.65	8.34	37.79	7.25
" " (Error)	333	6/3/2008 15:11	BULK	9.74	ppm	43.45	32.27	8.54	25.43	258.24	347.12	-41.58	121.88	124.03	205.91	529.45	127.66	-7.62	32.43	28071.46	1291.38	725.52	364.04	-68.06	422.01	8.9	19.88	4.01	10.05	171.51	29.74	68.93	13.73	68.45	14.13
" "	334	6/3/2008 15:12	BULK	20.05	ppm	37.42	21.57	10.14	17.28	212.07	232.83	37.77	88.32	-138.21	130.53	583.69	91.1	-7.19	22.54	27598.86	891.6	548.02	236.58	296.9	303.9	5.24	13.43	2.43	6.74	148.15	19.71	58.7	8.92	72.53	10.07
" "	335	6/3/2008 15:14	BULK	20.23	ppm	6.43	19.34	23.73	17.18	88.05	222.75	28.74	94.96	106.67	151.19	597.36	96.22	35.51	26.54	16867.63	737.54	49.56	183.09	84.23	248.9	9.87	14.8	0	6.62	101.31	18.49	56.13	9.22	61.56	9.76
GP-114	336	6/4/2008 9:47	BULK	20.23	ppm	170.47	28.24	-11.91	20.32	-2.66	155.3	45.5	69.12	59.07	108.08	1018.19	89.34	-2.81	17.98	13660.09	551.17	543.61	184.72	21.07	184.4	1.49	10.49	1.71	5.77	188.05	18.26	72.42	8.36	50.04	7.37
" "	337	6/4/2008 9:50	BULK	20.2	ppm	34.55	17.95	1.08	13.75	76.31	171.39	11.96	71.34	138.06	118.44	453.71	72.62	-11.03	18.3	12538.29	548.67	264.8	165.85	166.22	190.24	-4.36	10.22	1.26	5.96	188.45	18.91	74.63	8.73	56.76	8.02
" "	338	6/4/2008 9:52	BULK	20.59	ppm	14.41	20.82	18.13	17.72	148	236.99	-20.84	95.95	-19.72	151.22	593.97	98.91	6.33	25.85	14718.35	712.56	570.1	244.6	203.82	246.7	7.41	15.02	2.72	7.06	109.46	19.36	60.97	9.67	55.23	9.51
" "	339	6/4/2008 9:56	BULK	20.4	ppm	33.47	20.59	11.99	16.81	189.85	219.29	31.32	87.24	14.75	134.02	540.77	87.91	-14.11	21.76	15865.28	683.32	235	192.82	-82.72	223.42	-2.54	12.4	-0.69	6.29	121.74	18.49	62.14	9	52.03	8.62
Error	340	6/4/2008 11:20	BULK	0.96	ppm	37.71	75.4	-0.57	58.82	167.48	770.03	153.56	339.11	153.72	505.12	349.82	297.05	-13.19	77.81	7009.94	1870.37	-156.02	472.76	-69.03	617.22	-28.81	29.91	-1.47	26.48	241.48	90.45	73.99	38.24	3.14	14.64
Error	341	6/4/2008 11:21	BULK	0.19	ppm	154.55	309.43	-102.2	151.38	583.38	2569.3	-122.28	644.08	-560.75	715.83	556.45	813.84	-98.58	125.88	36122.75	9527.18	127.71	1915.56	-1425.93	2679.5	71.39	172.25	-11.9	42.73	40.39	137.61	45.56	71.69	21.3	55.64
Error	342	6/4/2008 11:21	BULK	3.43	ppm	122.6	72.07	10.71	55.94	206.44	571.88	-81.49	201.45	-234.46	309.06	597.7	225.15	-27.48	52.84	18338.6	1817.3	586.12	574.76	333.49	635.23	-8.69	29.71	-5.44	15.19	146.45	48.01	44.39	19.45	78.71	25.7
GP-115	343	6/4/2008 11:23	BULK	20.21	ppm	175.84	42.23	209.97	44.82	192.05	437.81	102.77	137.87	-2.17	226.03	903.79	142.84	-6.16	33.44	198406.34	2899.85	1280.21	498.54	1013.3	962.63	16.41	20.69	5.22	8.57	60.47	20.4	64.19	11.71	21.56	7.65
" "	344	6/4/2008 11:25	BULK	20.21	ppm	36.97	17.7	-0.84	13.41	279.41	194.09	4.33	67.72	-51.72	105.76	534.83	73.97	-3.76	18.14	17183.38	620.07	347.71	176.67	278.4	215.8	-3.93	9.96	-0.35	5.66	176.88	18.08	66.22	8.13	47.05	7.24
" "	345	6/4/2008 11:27	BULK	20.2	ppm	5.17	15.96	15.63	13.63	166.72	191.68	11.63	75.2	-19.83	116.08	403.33	74.01	0.52	20.09	12683.71	573.08	557.14	202.56	-2.79	190.79	10.47	12.32	1.88	5.96	128.93	17.66	88.72	9.79	34.14	6.73
GP-118	346	6/4/2008 12:39	BULK	20.02	ppm	73.96	23.01	7.22	17.84	91.71	181.43	-15.92	74.93	119.41	124.69	786.61	89.4	5.95	20.62	9248.04	502.6	368.91	182.59	67.23	172.44	-2.8	11.18	-1.22	5.84	138.79	18.01	74.72	9.16	46.71	7.72
" "	347	6/4/2008 12:41	BULK	20.2	ppm	52.32	23.04	3.43	17.74	116.91	215.81	-5.78	85.33	-86.2	131.01	537.61	88.45	7.71	23.27	20600.44	774.42	577.34	230.86	144.99	261.73	2.66	13.12	-0.04	6.6	160.87	20.15	64.94	9.3	55.71	8.94
" "	348	6/4/2008 12:43	BULK	20.21	ppm	31.12	19.58	15.12	16.05	203.52	208.7	38.55	80.87	77.67	128.04	518.85	81.72	-17.93	19.88	16741.27	666.59	303.41	189.76	143.06	227.09	8.14	12.58	-0.77	6.09	148.39	18.53	54.27	8.1	62.92	8.93
GP-116	349	6/4/2008 15:43	BULK	20.77	ppm	66.44	21.71	15.06	17.28	75.61	170.79	77.92	75.85	-29.72	110.58	746.47	84.58	-1.93	19.22	8057.63	456.94	359.37	173.05	-4.76	153.86	6.88	11.59	1.5	5.63	108.67	16.35	82.3	9.19	38.9	6.89
" "	350	6/4/2008 15:45	BULK	20.21	ppm	47.35	21.18	13.24	17.07	43.17	179.65	-1.66	78.73	-1.87	123.6	647.85	86.96	5.49	21.39	8689.45	502.91	424.71	192.22	122.24	175.74	1.48	12.03	-0.18	5.78	84.47	16.4	82.52	9.78	29.42	6.56
" "	351	6/4/2008 15:46	BULK	1.71	ppm	32.26	73.53	5.95	60.69	1061.1	1161.21	14.62	336.36	-355.73	453.17	669.69	354.03	-8.43	86.88	7924.46	1906.36	-33.86	654.24	174.97	681.41	-39.03	31.91	8.38	25.25	69.7	61.64	76.12	36.74	40.41	29.12
" "	352	6/4/2008 15:47	BULK	20.2	ppm	28.04	22.29	13.44	18.32	132.98	229.51	-58.62	94.27	34.89	154.04	576.9	98.47	-4.08	25.28	8477.32	569.35	494.77	232.38	154.7	200.9	1.55	14.43	-8.1	6.13	94.92	18.94	68.65	10.18	27.58	7.25
" " (Error)	353	6/4/2008 15:48	BULK	0.19	ppm	-50.2	39.75	65	144.14	791.58	2772.18	-377.12	492.77	-631.16	738.47	882.71	979.11	25.07	230.82	10245.63	5548.79	-635.23	388.01	-1041.26	1190.56	10.45	131.59	-22.57	47.28	203.1	208.6	16.85	55.43	22.72	60.17
" "	354	6/4/2008 15:49	BULK	20.01	ppm	19.74	19.56	8.18	15.68	242.3	222.9	-4.69	86.53	32.94	137.09	573.31	90.19	-10.91	22.25	8683.59	534.36	377.92	204.39	72.9	183.98	5.17	13.36	-0.1	6.33	108.65	18.31	72.8	9.76	32.49	7.2
Error	355	6/4/2008 17:04	BULK	2.1	ppm	38.96	65	14.2	53.85	95.45	651.9	112.29	284.49	123.86	434.33	568.4	276.6	-0.04	70.01	21780.19	2442.48	77.66	556.13	-46.79	802.55	-9.44	36.17	4.3	20.15	94.13	55.27	105.79	35.33	38.87	23.75
GP-112	356	6/4/2008 17:05	BULK	20.2	ppm	26.45	19.56	2.08	15.27	437.93	248.69	-25.55	82.21	65.87	135.5	548.65	87.01	29.71	23.91	22594.52	792.88	163.07	193.05	110.94	266.19	-2.66	12.27	-3.02	6.03	121.57	18.4	76.01	9.82	41.86	7.8
" "	357	6/4/2008 17:09	BULK	20.02	ppm	27.25	20.19	2.64	15.84	141.82	222.74	34.06	89.99	3.46	138.93	604.19	92.85	-1.09	23.19	21049.84	795.16	1063.47	276.16	129.86	267.68	-4.87	12.5	0.71	6.31	83.44	17.31	68.07	9.58	40.03	7.89
" "	358	6/4/2008 17:11	BULK	20.01	ppm	0.31	18.57	7.89	15.28	512.37	281.07	-5.96	96.11	-69.8	146.5	648.2	101.14	-8.18	24.84	14874.21	719.73	1086.14	295.4	-14.16	238.28	4.98	14.65	2.12	6.43	14.85	14.89	76.02	10.59	39.07	8.26
" "	359	6/4/2008 17:35	BULK	14.3	ppm	32.23	24.39	-17.44	16.83	-908.74	207.86	261.63	116.2	103.78	159.33	369.8	94.26	-10.23	25.56	968.86	317.85	100.07	187.97	-20.66	116.81	-1.68	14.67	-4.65	6.35	17.93	15.73	20.06	6.94	3.76	4.7
GP-105	360	6/5/2008 9:07	BULK	11.8	ppm	139.46	41.54	-2.71	30.83	242.36	312.21	70.91	124.03	37.76	188.4	838.58	135.92	-10.34	30.52	19255.87	1011.86	799.34	339.07	14.23	335.79	0.08	17.67	10.29	9.49	106.45	24.41	73.65	13.16	62.15	12.65
" "	361	6/5/2008 9:09	BULK	20.18	ppm	38.64	21.88	2.79	16.98	194.6	225.31	2.47	88.91	-43.72	136.54	606.43	93.4	1.58	23.61	14648.4	676.56	196.17	193.29	19.52	226.17	-4.44	12.72	-3.03	6.26	112.84	19.05	100.7	11.44	49.53	8.69
" "	362	6/5/2008 9:40	BULK	20.17	ppm	18.51	16.87	10.52	13.68	428.53	212.54	33.32	72.43	-49.75	108.46	391.56	70.54	3.62	19.34	9021.95	477.78	245.58	167.55	46.92	162.99	7.03	11.5	-5.54	5.32	141.34	17.37	68.19	8.47	37.42	6.77

TABLE - 1 (continued)
XRF Data

Description	Reading No	Time	Type	Duration	Units	Pb	Pb Error	As	As Error	Cr	Cr Error	Cu	Cu Error	Ni	Ni Error	Zn	Zn Error	Hg	Hg Error	Fe	Fe Error	Mn	Mn Error	Co	Co Error	Se	Se Error	Mo	Mo Error	Zr	Zr Error	Sr	Sr Error	Rb	Rb Error
" " (Error)	363	6/5/2008 9:44	BULK	0.19	ppm	50.7	254.34	-54.95	124.34	-559.69	38.99	-368.1	519.99	-1119.92	157.49	103.11	658.59	-107.49	144.05	9963.04	5671.21	-453.03	50.68	-206.09	1784.07	83.98	197.11	10.48	68.19	61.81	156.87	23.35	58.17	-7.46	1.75
" " (Error)	364	6/5/2008 9:44	BULK	0.76	ppm	-14.33	67.4	53.33	86.75	-629.65	57.72	20.85	453.83	-349.01	605.41	682.98	492.69	-28.09	110.77	7172.1	2566.27	-175.01	570.39	293.43	959.45	-23.12	52.31	-20.69	22.68	82.33	85.54	13.47	26.95	25.39	33.8
" " (Error)	365	6/5/2008 9:46	BULK	11.8	ppm	4.36	21.33	14.58	18.27	280.54	279.31	41.64	106.55	8.01	161.26	489.07	105.92	-5.87	27.15	10603.23	717.16	295.77	242.53	-158.36	229.5	5.91	16.27	1.16	8.16	147.63	24.67	77.85	12.46	18.26	7.21
" "	366	6/5/2008 9:47	BULK	20.17	ppm	32.35	19.69	6.46	15.33	281.89	209.77	23.21	78.97	111.15	127.64	418.76	76.56	-0.21	20.66	9815.29	522.71	391.3	191.33	187.97	184.73	11.82	12.81	3.97	6.28	137.08	18.19	75.81	9.31	26.99	6.27
GP-120	367	6/5/2008 12:21	BULK	20.18	ppm	29.36	19.6	3.27	15.15	156.69	212.36	19.55	81.47	119.32	132.82	606.62	86.62	-7.65	20.9	26104.28	827.69	561.34	223.34	22.17	273.65	7.39	12.74	6.59	6.64	144.86	18.75	69.64	9.14	75.36	9.78
" "	368	6/5/2008 12:23	BULK	20.37	ppm	8.18	16.44	31.21	15.17	122.83	187.24	-69.83	70.46	117.79	123.49	480.38	76.55	-4.38	19.67	14390.39	601.84	488.55	196.16	170.1	207.29	14.71	12.63	0.99	5.86	126.7	17.23	65.91	8.53	44.38	7.43
" "	369	6/5/2008 12:25	BULK	20.17	ppm	26.49	19.11	-1.21	14.28	252.69	209.49	41.38	79.83	-49.25	120.01	532.92	81.72	7.51	21.24	12132.12	574.81	416.42	196.12	209.52	201.51	9.83	12.7	-0.05	5.98	125.37	17.88	82.81	9.73	45	7.72
GP-119	370	6/5/2008 13:45	BULK	20.18	ppm	106.42	28.8	20.53	22.77	386.22	249.5	148.09	95.22	-9.37	137.08	902.51	103.49	11.8	23.79	18620.24	743.91	608.76	237.9	228.82	255.8	18.48	14.86	6	7.06	163.84	20.51	77.11	10.08	54.08	8.9
" "	371	6/5/2008 13:47	BULK	20.17	ppm	117.07	25.22	18.57	19.84	144.91	177.99	66.78	72.13	-67.78	104.49	1088.64	93.66	-7.56	18.22	12519.85	542.24	614.01	196.17	3.08	180.89	7.09	11.25	0.57	5.54	133.8	16.73	61.2	7.92	50.95	7.56
" "	372	6/5/2008 13:49	BULK	20.17	ppm	33.45	18.76	10.96	15.13	124.81	189.13	9.12	73.36	-25.18	114.76	460.08	75.22	11.04	20.32	17878.01	659.43	614.31	208.15	201.04	226.03	3.68	11.51	4.56	6.15	148.86	17.89	63.96	8.41	54.87	8.09
GP-130	373	6/5/2008 16:29	BULK	20.18	ppm	723.94	59.35	9.8	43.89	1003.36	302.5	459.14	104.87	111.09	148.36	1693.09	123.83	74.92	26.32	24184.61	798.86	496.82	231.39	2586.05	343.59	34.7	16.31	37.96	17.14	3474.75	70.55	58.85	9.06	31.77	7.12
GP-124	374	6/5/2008 16:53	BULK	20.36	ppm	229.96	37.04	13.99	28.22	250.11	227.31	354.29	104.36	88.72	139.75	1462.1	120.56	27.35	24.36	15799.63	681.32	323.68	203.62	206.38	235.68	4.65	13.47	-0.02	6.12	87.09	17.26	80.84	10.2	40.5	7.83
" " (Error)	375	6/5/2008 16:54	BULK	1.9	ppm	191.91	109.79	-40.9	73.37	-223.58	476.12	345.63	319.85	-368.96	365.38	1523.9	385.54	-29.2	64.89	15174.33	2117.27	132.68	542.79	1131.56	851.08	18.58	45.62	10.43	22.71	154.6	62.4	56.93	27.35	9.32	15.01
" " (Error)	376	6/5/2008 16:54	BULK	1.52	ppm	132.48	101.04	35.34	84.66	-4.39	669.17	439.56	372.37	19.74	463.53	1654.79	440.61	-39.07	69.08	16916.14	2462.45	275.94	678.17	133.6	838.4	-34.84	27.56	1.71	22.79	139.19	68.21	89.46	36.81	49.29	29.6
GP-123	377	6/6/2008 8:52	BULK	20.15	ppm	33.33	24.38	12.9	19.58	74.47	247.22	99.62	107.89	-92.34	156.79	637.94	105.43	-26.58	25.04	27972.87	985.59	778.6	283.93	296.39	335.71	19.72	16.9	3.82	6.77	0.56	14.33	64.39	10.12	25.29	7.21
" "	378	6/6/2008 8:56	BULK	20.15	ppm	2905.96	126.24	-85.5	91.24	251.63	266.97	-0.12	96.47	-2.16	152.36	992.9	114.45	2.72	26.38	15746.71	729.58	470.8	240.78	271.55	255.87	-5.01	16.71	2.2	6.97	105.15	19.89	101.64	12.28	60.23	10.4
" " Error	379	6/6/2008 8:57	BULK	0.38	ppm	66.77	167.22	1.82	130.51	-631.65	65.69	334.11	698.9	-573.7	658.87	644.07	649.14	126.95	204.72	12404.12	4335.94	2066.69	2283.21	167.67	1495.7	-29.63	66.39	-31.94	24.73	139.09	140.23	134.32	91.46	99.77	81.78
" "	380	6/6/2008 8:58	BULK	20.14	ppm	77.31	23.6	12.63	18.52	125.19	188.9	-56.31	72.14	60.18	122.67	507.92	78.68	11.12	20.88	13734.62	595.47	418.31	191.41	272.33	209.94	7.51	12.23	2.21	5.81	88.73	16.02	73.3	9.07	45.52	7.62
" " Error	381	6/6/2008 9:04	BULK	0.19	ppm	-54.58	45.41	78.49	165.65	906.73	3184.82	-586.83	582.7	1568.97	2241.78	315.72	824.22	-193.55	10.58	21125.53	8307.72	347.92	2375.67	1633.24	3355.45	18.75	151.11	59.38	100.63	42.9	176.77	185.7	153.64	-8.22	1.67
" "	382	6/6/2008 9:06	BULK	19.96	ppm	31.89	21.93	23.86	18.76	-71.07	193.25	45.75	93.51	20.49	143.08	577.92	93.92	16.04	24.94	15256.86	699.53	607.77	235.14	40.88	234.4	5.51	14.07	4.46	6.83	98.04	18.37	73.73	10.16	61.29	9.64
" "	383	6/6/2008 9:08	BULK	21.86	ppm	20.97	15.87	15.79	13.42	132.22	172.63	52.26	69.34	101.11	110.07	445.15	68.73	12.92	18.64	16668.23	592.92	198.11	155.5	86.08	199.93	1.58	10.32	6.27	5.39	66.56	13.75	72.9	8.26	45.53	6.94
GP-122	384	6/6/2008 9:49	BULK	16.91	ppm	88.11	27.94	22.61	22.57	221.63	233.78	115.9	94.93	-78.09	133.26	687.38	98.73	-6.15	23.15	16017.22	727.51	551.02	236.68	-67.69	238.32	8.12	14.17	3.47	7.04	140.72	20.45	67.38	9.91	53.47	9.26
" " (Error)	385	6/6/2008 9:50	BULK	0.19	ppm	84.31	248.65	-80.06	121.8	875.53	2949.95	-402.76	524.85	-878.74	811.22	730.98	970.66	177.62	322.97	12073.99	6178.44	-693.22	413.51	1235.71	2621.91	-64.43	9.88	-11.91	48.85	32.74	140.63	10.78	59.7	21.92	64.09
" "	386	6/6/2008 9:53	BULK	21.67	ppm	132.6	28.07	7.18	21.24	266.05	209.84	104.32	82.46	-19.39	120.33	697.28	86.74	-9.13	20.02	16704.48	649.84	451.8	199.77	105.34	219.8	13.46	12.89	-2	5.73	129	17.59	76.33	9.16	53.32	8.11
" "	387	6/6/2008 10:06	BULK	21.29	ppm	129.68	32.66	-7.8	23.82	279.87	257.02	9.88	99.3	92.69	159.59	707.11	104.02	7.39	26.14	15975.2	737.78	347.11	226.6	319.92	259.77	12.22	15.7	4.35	7.17	107.65	19.43	72.87	10.42	48.01	8.99
" " (Error)	388	6/6/2008 10:07	BULK	0.76	ppm	32.85	105.41	44.71	96.52	-41.4	929.09	214.95	462.25	-687.47	403.54	302.13	382.32	-64.44	88.05	19427.26	3765	1717.37	1560.66	-230.13	1192.97	28.25	75.11	29.3	40.18	104.33	88.44	55.05	41.89	38.38	37.63
" "	389	6/6/2008 10:08	BULK	16.35	ppm	93.42	27.77	11.88	21.72	183.17	225.92	95.08	91.76	104.45	140.96	634.06	94.73	-9.81	22.27	18318.45	764.87	981.08	273.12	45.39	255.06	0.72	13.02	9.91	6.98	67.36	16.77	54.66	8.95	37.09	7.85
" " (Error)	390	6/6/2008 10:09	BULK	2.47	ppm	47.28	62.91	53.31	56.9	848.33	777.27	3.44	217.2	-125.97	322.55	602.21	238.44	8.23	60.03	17831.71	1933.34	828.53	688.64	-37.55	635.77	39.63	43.23	-1.58	15.4	52.48	41.69	73.32	26.09	25.39	17.39
" "	391	6/6/2008 10:10	BULK	20.14	ppm	83.52	24.39	5.14	18.55	176.05	200.93	51.04	79.94	128.84	128.56	663.22	86.01	-1.77	20.43	17823.41	678.7	1205.22	260.99	257.05	234.5	11.16	12.69	11.14	6.27	52.97	14.47	60.01	8.37	33.67	6.78

TABLE - 2
CHEMICAL PACKING (a.k.a. NORTH CHICAGO)
SAMPLE SUMMARY TABLE
May/June 2008

Sample Location	Laboratory Sample No.	Date / Time	Depth	Analysis	Description	Rational
X-101	08060097-001	5-29-08 / 11:00	1.8' - 2.5'	TM	Dark gray to black sand and gravelly textured fill material.	Black cindery fill material.
X-101	S806243-01 / 08060097-012	5-29-08 / 11:00	4' - 6'	Organics & FOC	Brown silty fine sand and brown sandy clay.	Presumed uncontaminated native material for FOC 1-2 meters.
X-102A	08060097-002	5-29-08 / 11:50	0.5' - 1'	TM	Dark gray to black sand and gravelly textured fill material.	Black cindery fill material and XRF readings.
X-102B	08060097-003	5-29-08 / 11:50	2.5' - 3.5'	TM	Rusty brown clayey sand and gray brown fine sand.	Elevated XRF readings and establish vertical extent.
X-103	08060097-004	5-29-08 / 14:00	0.5' - 1.5'	TM	Dark gray to black sand and gravelly textured fill material.	Black cindery fill material and XRF readings.
X-104A	S806243-02 / 08060097-005	5-29-08 / 15:20	1.8' - 2.5'	TM / TCLP / Organics - No VOCs	Mottled dark brown sandy fill material with gravel.	XRF readings.
X-104B	08060097-006	5-29-08 / 15:20	3' - 4'	TM	Brown fine to coarse sand.	Demonstrate extent.
X-106	S806185-05 / 08060097-007	5-28-08 / 17:00	2' - 3'	TCL	Reddish brown clayey sand and medium brown fine sand.	PID response and near surface contamaintion expected.
X-107	S806185-01 / 08060097-008	5/28/08 / 10:15	9' - 10'	TCL	Gray to brown clayey sand / sandy clay.	PID response, extent of contamination, and location above water table.
X-108	S806185-02 / 08060097-009	5-28-08 / 12:30	3' - 5'	TCL	Gray to brown fine to medium sand.	PID response and extent of Csat contamination.
X-109A	S806185-03	5-28-08 / 13:20	3' - 5'	Organics	Light brown fine to medium sand.	PID response and extent of Csat contamination.
X-109B	S806185-04	5-28-08 / 15:00	7.5' - 8'	VOC	Reddish brown fine to medium sand.	PID response.
X-109B	08060960-002	6-25-08 / 12:45	8' - 12'	TPH	Reddish brown fine to medium sand.	Presence of free product.
X-110	S806470-01 / 08060288-001	6-3-08 / 13:00	3' - 4'	TCL / TPH	Gray brown fine sand.	PID response and presence above water table.
X-111A	S806470-02 / 08060288-002	6-3-08 / 14:00	4' - 5'	TCL	Brown fine to medium sand.	PID response.
X-111B	S806470-03	6-3-08 / 14:00	11' - 12'	Organics	Gray silt or very fine sand.	Extent of contamination.
X-112	S806602-12 / 08060288-003	6-4-08 / 17:15	3' - 4'	VOC / SVOC / TM	Gray green clayey sand and brown fine sand.	PID response.
X-113	S806470-04 / 08060288-004	6-3-08 / 15:30	3' - 4'	TCL / TPH	Mottled gray and brown silty, sandy clay.	PID response.
X-114A (Dup X-164)	S806602-01 & 07 / 08060288-005 & 010	6-4-08 / 10:45	3' - 5'	TCL	Gray green silty clay.	PID response.
X-114B	S806602-02	6-4-08 / 10:45	7' - 8'	VOC / SVOC	Gray green silty clay.	Extent of contamination.
X-115	08060288-006	6-4-08 / 12:00	0.5' - 1'	TM	Dark brown silty clay with sand.	XRF readings.
X-115	S806602-03	6-4-08 / 12:00	3' - 4'	VOC / SVOC	Brown silty clay and brown sand and gravel.	PID response.
X-116A	S806602-04 / 08060288-007	6-4-08 / 16:15	7' - 8'	VOC / SVOC / TPH	Brown gray silt / very fine sand.	PID response.
X-116B	S806602-05	6-4-08 / 16:15	10.5' - 11.5'	VOC / SVOC	Gray clay till.	Extent of contamination.
X-118 MS/MSD	S806602-06 / 08060288-008	6-4-08 / 13:45	3' - 4.5'	TCL / MS/MSD	Brown silty sandy clay.	Estimated depth of floor drain (no PID response)
X-119 & X-119R	S806706-02 / 08060960-003	6-5-08 / 14:30	1' - 2'	TCL	Dark brown silty clay with sand.	XRF readings.
X-120	S806706-03 / 08060288-015	6-5-08 / 13:00	4.5' - 5.5'	TCL	Gray sand and gravel with clay.	PID response.
X-121	S806470-05 / 08060288-009	6-3-08 / 10:20	4.5' - 5.5'	TCL	Black to olive silty, clayey, gravelly sand.	PID response.
X-122	S806749-03 / 08060333-002	6-6-08 / 10:20	3.5' - 4.5'	TCL	Brown coarse sand and gravel with clay and brown sandy clay.	Location above perched water zone.
X-124	S806706-04 / 08060288-016	6-5-08 / 17:00	1' - 2'	TCL / FOC	Tan and brown mottled clayey sand.	PID response and presence below resin material at the surface.
X-126 MS/MSD (Dup X-176)	S806243-03 & 04 / 08060097-010 & 011	5-29-08 / 16:50	0 - 0.5'	TCL	Black silty sandy clay material.	Discharge pipe exited building at this location.
X-130R	S807802-07 / 08060960-005	6-25-08 / 10:15	0.5' - 2'	Organics (No VOC) / TM	Dark gray cindery material and brown and black sand.	Material appeared cindery and possible burnt.
MW-101 (soil)	S807802-05 / 08060960-001	6-25-08 / 11:45	0.5' - 1'	Organics (No VOC) / TM	Black sang and gravel textured fill material and brown sandy silt.	Characterize fill material.
MW-104 (soil)	S807802-06 / 08060960-004	6-25-08 / 09:30	2' - 3'	VOC / SVOC / FOC	Brown fine to coarse sand.	Upper meter of soil for FOC.
G-105	S806706-01 / 08060288-014	6-5-08 / 10:55	8' - 12'	TCL	Groundwater	Location near washing area in quonset hut building.
G-106	S806749-04 / 08060333-003	6-6-08 / 11:30	8' - 12'	TCL	Groundwater	Location west of tank storage area.
G-113 (Duplicate G-163)	S806602-08 & 09 / 08060288-013	6-3-08 / 17:30	15.5' - 18.5'	TCL	Groundwater	Location near product line pumping station inside bldg C.
G-118 MS/MSD	S806602-10 / 08060288-013	6-4-08 / 15:55	17' - 21'	TCL	Groundwater	Location near drum washing room and drian.
MW-101	S807802-01 (VOC) / S807804-01 (Org) / 08060960-007	6-25-08 / 09:15	Monitoring Well	TCL	Groundwater	Monitoring Well
MW-102	S807802-02 (VOC) / S807804-02 (Org) / 0860960-008	6-25-08 / 10:25	Monitoring Well	TCL	Groundwater	Monitoring Well
MW-103	S807802-03 / 08060960-006	6-25-08 / 12:00	Monitoring Well	TCL	Groundwater	Monitoring Well
MW-104	S807802-04 (VOC) / S807804-03 (Org) / 08060960-009	6-25-08 / 09:40	Monitoring Well	TCL	Groundwater	Monitoring Well

TCL - Target Compound List
TM - Total Metals
VOC - Volatile Organic Compounds
SVOC - Semi Volatile Organic Compounds
Organics - VOC / SVOC / Pesticides / PCB
FOC - Fraction of Organic Carbon
TPH - Total Petroleum Hydrocarbons

TABLE - 3
North Chicago
Analytical Data Table

CHEMICAL NAME	SOIL CORRECTIVE ACTION OBJECTIVES (mg/kg or mg/L)								GROUNDWATER INGESTION STANDARD (mg/L)	
	RESIDENTIAL		INDUSTRIAL COMMERCIAL		CONSTRUCTION WORKER		MIGRATION TO GROUNDWATER (mg/L)			
	Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II	Class I	Class II
Inorganics - mg/kg or mg/L										
Aluminum	78000	---	1000000	---	200000	---	3.5	5	3.5	5
Antimony	31	---	820	---	82	---	0.006	0.024	0.006	0.024
Arsenic	Background	750	Background	1200	61	25000	0.05	0.2	0.05	0.2
Barium	5500	690000	140000	910000	14000	870000	2	2	2	2
Beryllium	160	1300	4100	2100	410	44000	0.004	0.5	0.004	0.5
Cadmium	78	1800	2000	2800	200	59000	0.005	0.05	0.005	0.05
Calcium										
Chromium	230	270	6100	420	4100	690	0.1	1	0.1	1
Cobalt	4700	---	120000	---	12000	---	1	1	1	1
Copper	2900	---	82000	---	8200	---	0.65	0.65	0.65	0.65
Cyanide (amenable)	1600	---	41000	---	4100	---	0.2	0.6	0.2	0.6
Iron	---	---	---	---	---	---	5	5	5	5
Lead	400	---	800	---	700	---	0.0075	0.1	0.0075	0.1
Magnesium	325000	---	---	---	730000	---	---	---		
Manganese	1600	69000	41000	91000	4100	8700	0.15	10	0.15	10
Mercury	23	10	610	16	61	0.1	0.002	0.01	0.002	0.01
Nickel	1600	13000	41000	21000	4100	444000	0.1	2	0.1	2
Potassium										
Selenium	390	---	10000	---	1000	---	0.05	0.05	0.05	0.05
Silver	390	---	10000	---	1000	---	0.05	---	0.05	---
Sodium										
Thallium	6.3	---	160	---	160	---	0.002	0.02	0.002	0.02
Vanadium	550	---	14000	---	1400	---	0.049	0.1	0.049	0.1
Zinc	23000	---	610000	---	61000	---	5	10	5	10
Volatiles Organics - mg/kg or mg/L										
Acetone	70000	100000	---	100000	---	100000	25	25	6.3	6.3
Benzene	12	0.8	100	1.6	2300	2.2	0.03	0.17	0.005	0.025
2-Butanone (MEK)	47000	25000	1000000	25000	120000	730	17	17	4.2	4.2
Carbon Disulfide	7800	720	200000	720	20000	9	32	160	0.7	3.5
Chloroethane	---	1500	---	1500	---	97	---	---	---	---
Ethylbenzene	7800	400	200000	400	20000	58	13	19	0.7	1
1,1-Dichloroethane	7800	1300	200000	1700	200000	130	23	110	0.7	3.5
1,2-Dichloroethane	7	0.4	63	0.7	1400	0.99	0.02	0.1	0.005	0.025
cis-1,2-Dichloroethene	780	1200	20000	1200	20000	1200	0.4	1.1	0.07	0.2
2-Hexanone (MBK)										
Methylene Chloride	85	13	760	24	12000	34	0.02	0.2	0.005	0.05
4-Methyl-2pentanone (MIBK)	---	3100	---	3100	---	340	---	---	---	---
Stryene	16000	1500	410000	1500	41000	430	4	18	0.1	0.5
Tetrachloroethene	12	11	110	20	2400	28	0.06	0.3	0.005	0.025
Toluene	16000	650	410000	650	410000	42	12	29	1	2.5
1,1,1-Trichloroethane	---	1200	---	1200	---	1200	2	9.6	0.2	1
Trichloroethylene	58	5	520	8.9	1200	12	0.06	0.3	0.005	0.025
Vinyl chloride	0.46	0.28	7.9	1.1	170	1.1	0.01	0.07	0.002	0.01
Xylenes, Total	16000	320	410000	320	41000	5.6	150	150	10	10
Isopropylbenzene	7800	500	200000	790	82000	51	91	460	0.7	3.5

CHEMICAL NAME	X-101 pH 6.6 pH 7.4*	X-102A pH 7.9 pH 7.9*	X-102B pH 7.5 pH 7.5*	X-103 pH 8.2 pH 8.2*	X-104A pH 7.2 pH 7.9 *	X-104A (TCLP)	X-104B pH 8.4 *	X-106 pH 7.6 p H 9.1 *	X-107 pH 7.3 pH 7.8 *	X-108 pH 5.1 pH 6.3 *	X-109 (TPH)	X-109A pH 7.2	X-109B pH 7.3	X-110 pH 7.0 PH 7.0*	X-111A pH 7.4 pH 7.8	X-111B pH 7.4	X-112 pH 7.3 pH 8.0	X-113 pH 7.2 pH 7.9*	X-114A pH 7.2 pH 7.6*	X-164 pH 7.7 pH 7.7*
Inorganics - mg/kg or mg/L																				
Aluminum	3900	3500	4500	2800	6200		3000	3200	5200	7000				2800	1900		4600	9500	9300	8600
Antimony	< 2.7	< 2.1	< 2.3	< 2.2	37		< 2	< 2.1	< 2.2	< 2.2				< 2.2	< 1.8		< 2	< 2	< 2.1	< 2.1
Arsenic	26	4.4	3.5	4.7	18	< 0.01	5.5	4.3	5.9	6.7				5.1	10		5.3	9.9	8.9	7.5
Barium	55	47	48	35	200	1.3	9.5	26	63	34				5.7	16		18	49	51	52
Beryllium	2.5	0.98	< 0.58	1.9	0.72		< 0.5	< 0.53	< 0.56	0.64				< 0.53	< 0.46		< 0.48	< 0.5	< 0.52	< 0.55
Cadmium	1.5	3.2	0.71	6.5	24	0.43	< 0.5	< 0.53	0.63	< 0.55				< 0.53	< 0.46		< 0.48	< 0.5	< 0.52	< 0.55
Calcium	8300	59000	2200	29000	29000		78000	45000	39000	< 660				23000	48000		26000	71000	63000	67000
Chromium	9.4	160	8	280	11	< 0.01	6.5	9.7	14	14				5.3	5.6		9.2	17	16	16
Cobalt	4.1	370	5.1	590	9.1		5.1	7.8	8.9	4.5				4.3	5.3		6.3	11	9.9	13
Copper	100	150	85	190	7600		17	21	33	22				17	9.6		20	20	21	17
Cyanide (amenable)	1.4	< 0.28	< 0.3	< 0.28	< 0.28		0.33	0.44	< 0.3	0.47				< 0.28	< 0.27		< 0.27	< 0.26	< 0.29	< 0.3
Iron	17000	15000	10000	24000	22000		12000	9800	11000	16000				13000	22000		12000	24000	21000	22000
Lead	86	100	92	74	2900*	20	9.5	15	59	9				7.8	6.7		16	13	13	10
Magnesium	900	31000	1600	15000	14000		40000	24000	22000	1700				15000	27000		16000	29000	35000	38000
Manganese	84	260	260	310	1000		460	320	390	290				260	370		550	460	690	700
Mercury	0.047	0.44*	< 0.028	0.35*	0.21*	< 0.00025	< 0.025	< 0.027	< 0.03	< 0.03				< 0.028	< 0.025		< 0.026	< 0.026	< 0.027	< 0.028
Nickel	54	21	10	33	41		13	11	16	16				14	15		13	28	27	28
Potassium	380	680	390	510	710		670	550	1100	900				610	400		670	1600	1800	1700
Selenium	1.7	1.1	< 1.2	< 1.1	< 1	< 0.01	< 1	< 1.1	< 1.1	< 1.1				< 1.1	< 0.93		< 0.97	< 1	< 1	< 1.1
Silver	< 1.3	11	< 1.2	33	2.2	< 0.01	< 1	< 1.1	< 1.1	< 1.1				< 1.1	< 0.93		< 0.97	< 1	< 1	< 1.1
Sodium	< 81	220	250	190	510		140	78	150	< 66				84	97		110	110	170	180
Thallium	< 1.3	< 1.1	< 1.2	< 1.1	< 1		< 1	< 1.1	< 1.1	< 1.1				< 1.1	< 0.93		< 0.97	< 1	< 1	< 1.1
Vanadium	25	18	17	17	19		12	13	18	22				11	12		18	20	20	18
Zinc	740	360	400	380	17000		62	88	160	110				81	81		71	42	51	49
Volatiles Organics - mg/kg or mg/L																				
Acetone												0.011			0.031	16	0.015	72	0.16	0.15
Benzene									0.046			0.023	0.11	29*	5*		0.062	5.3*	0.084	0.094
2-Butanone (MEK)																32		95	4.7	4.6
Carbon Disulfide																				
Chloroethane																				
Ethylbenzene									0.0057	0.1		3.1	3.6	810*	120*		0.0029	170*	0.1	0.069
1,1-Dichloroethane													0.006					0.035		
1,2-Dichloroethane																		0.028		
cis-1,2-Dichloroethene												0.0062			0.017			0.04		
2-Hexanone (MBK)																10		43	0.054	0.042
Methylene Chloride																		0.028		
4-Methyl-2pentanone (MIBK)																160		380*	0.014	0.018
Stryene													0.014					0.039		
Tetrachloroethene												0.0058	0.057		0.052			0.02		
Toluene								0.016	0.012			66*	170*	3100*	140*			520*	1.5	1.9
1,1,1-Trichloroethane													0.0025							
Trichloroethylene												0.0033	0.019		0.0074			0.19		
Vinyl chloride													0.0023							
Xylenes, Total									0.056	6.1*		17*	32*	4500*	760*	0.0029	0.021	870*	4.5	7.6*
Isopropylbenzene									0.059	0.014		0.034	0.19	92*	13		0.025	0.11	0.061	0.071

Shaded > Class I migration to ground water RO.
Circled > Residential Tier I RO
Circled Water > Class I groundwater objective
Bold > Ind/Com Tier I RO
Asterisk > Construction worker RO.

TABLE - 3
North Chicago
Analytical Data Table

CHEMICAL NAME	SOIL CORRECTIVE ACTION OBJECTIVES (mg/kg or mg/L)								GROUNDWATER INGESTION STANDARD (mg/L)	
	RESIDENTIAL		INDUSTRIAL COMMERCIAL		CONSTRUCTION WORKER		MIGRATION TO GROUNDWATER (mg/L)			
	Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II	Class I	Class II
Inorganics - mg/kg or mg/L										
Aluminum	78000	---	1000000	---	200000	---	3.5	5	3.5	5
Antimony	31	---	820	---	82	---	0.006	0.024	0.006	0.024
Arsenic	Background	750	Background	1200	61	25000	0.05	0.2	0.05	0.2
Barium	5500	690000	140000	910000	14000	870000	2	2	2	2
Beryllium	160	1300	4100	2100	410	44000	0.004	0.5	0.004	0.5
Cadmium	78	1800	2000	2800	200	59000	0.005	0.05	0.005	0.05
Calcium										
Chromium	230	270	6100	420	4100	690	0.1	1	0.1	1
Cobalt	4700	---	120000	---	12000	---	1	1	1	1
Copper	2900	---	82000	---	8200	---	0.65	0.65	0.65	0.65
Cyanide (amenable)	1600	---	41000	---	4100	---	0.2	0.6	0.2	0.6
Iron	---	---	---	---	---	---	5	5	5	5
Lead	400	---	800	---	700	---	0.0075	0.1	0.0075	0.1
Magnesium	325000	---	---	---	730000	---	---	---		
Manganese	1600	69000	41000	91000	4100	8700	0.15	10	0.15	10
Mercury	23	10	610	16	61	0.1	0.002	0.01	0.002	0.01
Nickel	1600	13000	41000	21000	4100	444000	0.1	2	0.1	2
Potassium										
Selenium	390	---	10000	---	1000	---	0.05	0.05	0.05	0.05
Silver	390	---	10000	---	1000	---	0.05	---	0.05	---
Sodium										
Thallium	6.3	---	160	---	160	---	0.002	0.02	0.002	0.02
Vanadium	550	---	14000	---	1400	---	0.049	0.1	0.049	0.1
Zinc	23000	---	610000	---	61000	---	5	10	5	10
Volatiles Organics - mg/kg or mg/L										
Acetone	70000	100000	---	100000	---	100000	25	25	6.3	6.3
Benzene	12	0.8	100	1.6	2300	2.2	0.03	0.17	0.005	0.025
2-Butanone (MEK)	47000	25000	1000000	25000	120000	730	17	17	4.2	4.2
Carbon Disulfide	7800	720	200000	720	20000	9	32	160	0.7	3.5
Chloroethane	---	1500	---	1500	---	97	---	---	---	---
Ethylbenzene	7800	400	200000	400	20000	58	13	19	0.7	1
1,1-Dichloroethane	7800	1300	200000	1700	200000	130	23	110	0.7	3.5
1,2-Dichloroethane	7	0.4	63	0.7	1400	0.99	0.02	0.1	0.005	0.025
cis-1,2-Dichloroethene	780	1200	20000	1200	20000	1200	0.4	1.1	0.07	0.2
2-Hexanone (MBK)										
Methylene Chloride	85	13	760	24	12000	34	0.02	0.2	0.005	0.05
4-Methyl-2pentanone (MIBK)	---	3100	---	3100	---	340	---	---	---	---
Stryene	16000	1500	410000	1500	41000	430	4	18	0.1	0.5
Tetrachloroethene	12	11	110	20	2400	28	0.06	0.3	0.005	0.025
Toluene	16000	650	410000	650	410000	42	12	29	1	2.5
1,1,1-Trichloroethane	---	1200	---	1200	---	1200	2	9.6	0.2	1
Trichloroethylene	58	5	520	8.9	1200	12	0.06	0.3	0.005	0.025
Vinyl chloride	0.46	0.28	7.9	1.1	170	1.1	0.01	0.07	0.002	0.01
Xylenes, Total	16000	320	410000	320	41000	5.6	150	150	10	10
Isopropylbenzene	7800	500	200000	790	82000	51	91	460	0.7	3.5

CHEMICAL NAME	X-114B pH 7.4	X-115 pH 6.6 pH 8.2	X-116A pH 7.5	X-116B pH 7.8	X-118 pH 7.7 pH 7.9*	X-119 pH 7.2	X-119R pH 7.3*	X-120 pH 7.5 pH 8.0*	X-121 pH 6.8 pH 7.6	X-122 pH 7.3 pH 8.5	X-124 pH 7.5 pH 7.8*	X-126 pH 7.2 pH 7.8 *	X-176 pH 7.2 pH 7.8 *	X-130R pH 7.8 pH 7.4*	X-130R (TCLP)	MW-101 Soil pH 7.7 pH 7.9*	MW-104 Soil pH 7.7	G-105 pH 7.6	G-106 pH 7.3	G-113 pH 7.5
Inorganics - mg/kg or mg/L																				
Aluminum		7000			13000		8100	7400	5000	5900	5700	9200	9200	32000		2700		0.14	0.54	1.3
Antimony		< 2.4			< 2.3		4.4	< 2.4	< 2.2	< 2	7.2	2.8	3.2	1800*		< 2.1		< 0.006	< 0.006	< 0.006
Arsenic		22			9.9		8	7.4	9.3	17	6	12	13	46	0.089	5.1		0.13	0.018	< 0.004
Barium		170			84		76	56	27	97	75	240	310	4300	4.1	41		0.066	0.74	0.24
Beryllium		< 0.58			< 0.61		0.97	< 0.59	< 0.55	< 0.5	< 0.49	1.2	1.1	0.92		1.1		< 0.002	< 0.002	< 0.002
Cadmium		< 0.58			< 0.61		2.6	< 0.59	< 0.55	0.66	1.6	9.1	12	29	0.24	9.9		< 0.002	< 0.002	< 0.002
Calcium		9100			5300		3000	78000	60000	48000	38000	23000	22000	15000		61000		66	170	150
Chromium		12			25		13	17	9.3	49	24	110	130	2200*	< 0.01	180		0.012	< 0.004	0.0044
Cobalt		4.6			12		11	8.3	6.3	69	33	39	41	500		320		< 0.004	< 0.004	< 0.004
Copper		83			26		84	23	16	76	410	460	570	1900		120		0.01	< 0.01	< 0.01
Cyanide (amenable)		< 0.3			< 0.31		< 0.31	< 0.3	< 0.3	< 0.29	< 0.28	0.91	0.98	1.1		< 0.27		< 0.005	< 0.005	< 0.005
Iron		35000			28000		16000	22000	15000	28000	14000	24000	26000	25000		13000		5.6	16	8.2
Lead		140			31		200	25	10	160	350	750*	910*	89000*	340	140		0.014	0.005	0.0027
Magnesium		4800			6300		2400	47000	35000	23000	21000	15000	14000	7800		34000		19	28	80
Manganese		900			450		610	790	600	680	380	440	480	330		240		0.044	0.085	0.15
Mercury		0.046			0.043		0.083	< 0.03	< 0.028	0.37*	0.078	0.34*	0.99*	0.43*		0.81*		< 0.00025	< 0.00025	< 0.00025
Nickel		14			29		16	22	16	22	18	32	36	31		19		0.013	0.0066	0.0085
Potassium		920			1700		730	1600	910	830	770	1200	1100	810		470		0.45	21	2.7
Selenium		< 1.2			< 1.2		< 1.2	< 1.2	< 1.1	< 1	< 0.98	2.2	3.3	1.6	< 0.01	1.5		< 0.004	< 0.004	< 0.004
Silver		< 1.2			< 1.2		< 1.2	< 1.2	< 1.1	< 1	< 0.98	< 1.2	1.6	47	< 0.01	37		< 0.004	< 0.004	< 0.004
Sodium		93			130		< 71	190	140	120	80	140	110	880		190		7.5	130	71
Thallium		< 1.2			< 1.2		< 1.2	< 1.2	< 1.1	< 1	< 0.98	< 1.2	< 1.3	< 1.3		< 1		< 0.004	< 0.004	< 0.004
Vanadium		19			28		21	20	19	29	17	26	28	< 1.3		9.6		< 0.004	< 0.004	< 0.004
Zinc		450			94		1300	78	46	250	1200	2800	3000	14000		300		< 0.02	< 0.04	0.032
Volatiles Organics - mg/kg or mg/L																				
Acetone	0.018	0.016	89	270		0.012					0.013									
Benzene	0.0035	0.047	53*	5.2*														0.015	0.37	0.0046
2-Butanone (MEK)	0.029		430	1100*																
Carbon Disulfide			0.0028	0.0063																
Chloroethane																			0.0034	
Ethylbenzene	0.0071	10	190*	0.12					0.0052		0.002							0.25	0.0087	
1,1-Dichloroethane																				
1,2-Dichloroethane			0.015																	
cis-1,2-Dichloroethene			0.093	0.0062																
2-Hexanone (MBK)				8.7																
Methylene Chloride																				
4-Methyl-2pentanone (MIBK)	0.0055		170	140																0.026
Stryene																				
Tetrachloroethene										0.005							0.014			
Toluene	0.0061		1400*	16					0.015		0.002		0.0033					0.34		0.0038
1,1,1-Trichloroethane																	0.011			
Trichloroethylene																				
Vinyl chloride																				
Xylenes, Total	0.045	16*	1100*	21*		0.0025			0.032		0.0068							0.87	0.031	0.017
Isopropylbenzene	0.0093	14	56*	0.0077				0.062	0.12		0.0022							0.11	0.013	

Shaded > Class I migration to ground water RO.
Circled > Residential Tier I RO
Circled Water > Class I groundwater objective
Bold > Ind/Com Tier I RO
Asterisk > Construction worker RO.

TABLE - 3
North Chicago
Analytical Data Table

CHEMICAL NAME	SOIL CORRECTIVE ACTION OBJECTIVES (mg/kg or mg/L)								GROUNDWATER INGESTION STANDARD (mg/L)							
	RESIDENTIAL		INDUSTRIAL COMMERCIAL		CONSTRUCTION WORKER		MIGRATION TO GROUNDWATER (mg/L)									
	Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II	Class I	Class II	G-163 pH 7.6	G-118 pH 7.8	MW-101	MW-102	MW-103	MW-104
Inorganics - mg/kg or mg/L																
Aluminum	78000	---	1000000	---	200000	---	3.5	5	3.5	5	0.96	7.7	0.7	0.88	< 0.04	2.4
Antimony	31	---	820	---	82	---	0.006	0.024	0.006	0.024	< 0.006	< 0.006	< 0.006	< 0.006	< 0.006	< 0.006
Arsenic	Background	750	Background	1200	61	25000	0.05	0.2	0.05	0.2	< 0.004	0.0072	< 0.004	0.0057	< 0.004	< 0.004
Barium	5500	690000	140000	910000	14000	870000	2	2	2	2	0.22	0.098	0.14	0.56	0.058	0.12
Beryllium	160	1300	4100	2100	410	44000	0.004	0.5	0.004	0.5	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Cadmium	78	1800	2000	2800	200	59000	0.005	0.05	0.005	0.05	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Calcium											150	93	190	140	96	120
Chromium	230	270	6100	420	4100	690	0.1	1	0.1	1	0.0059	0.026	< 0.004	< 0.004	< 0.004	< 0.004
Cobalt	4700	---	120000	---	12000	---	1	1	1	1	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004
Copper	2900	---	82000	---	8200	---	0.65	0.65	0.65	0.65	< 0.01	0.019	0.017	0.011	< 0.01	< 0.01
Cyanide (amenable)	1600	---	41000	---	4100	---	0.2	0.6	0.2	0.6		< 0.005		0.014	< 0.005	
Iron	---	---	---	---	---	---	5	5	5	5	7.7	12	3.2	14	2.2	5.9
Lead	400	---	800	---	700	---	0.0075	0.1	0.0075	0.1	< 0.002	0.062	0.0023	0.0042	< 0.002	0.0045
Magnesium	325000	---	---	---	730000	---	---	---			82	42	100	62	54	44
Manganese	1600	69000	41000	91000	4100	8700	0.15	10	0.15	10	0.13	0.26	0.42	0.21	0.031	0.22
Mercury	23	10	610	16	61	0.1	0.002	0.01	0.002	0.01		< 0.00025	< 0.00025	< 0.00025	< 0.00025	< 0.00025
Nickel	1600	13000	41000	21000	4100	444000	0.1	2	0.1	2	0.0098	0.02	0.015	0.0051	< 0.004	0.01
Potassium											2.6	6.2	4.4	6.8	2.2	5
Selenium	390	---	10000	---	1000	---	0.05	0.05	0.05	0.05	< 0.004	0.0053	< 0.004	< 0.004	< 0.004	< 0.004
Silver	390	---	10000	---	1000	---	0.05	---	0.05	---	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004
Sodium											87	27	120	150	35	9.6
Thallium	6.3	---	160	---	160	---	0.002	0.02	0.002	0.02	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004
Vanadium	550	---	14000	---	1400	---	0.049	0.1	0.049	0.1	< 0.004	0.017	< 0.004	< 0.004	< 0.004	< 0.004
Zinc	23000	---	610000	---	61000	---	5	10	5	10	0.026	0.08	< 0.02	< 0.02	< 0.02	< 0.02
Volatiles Organics - mg/kg or mg/L																
Acetone	70000	100000	---	100000	---	100000	25	25	6.3	6.3						
Benzene	12	0.8	100	1.6	2300	2.2	0.03	0.17	0.005	0.025				0.068		
2-Butanone (MEK)	47000	25000	1000000	25000	120000	730	17	17	4.2	4.2						
Carbon Disulfide	7800	720	200000	720	20000	9	32	160	0.7	3.5						
Chloroethane	---	1500	---	1500	---	97	---	---	---	---						
Ethylbenzene	7800	400	200000	400	20000	58	13	19	0.7	1				0.23		
1,1-Dichloroethane	7800	1300	200000	1700	200000	130	23	110	0.7	3.5						
1,2-Dichloroethane	7	0.4	63	0.7	1400	0.99	0.02	0.1	0.005	0.025						
cis-1,2-Dichloroethene	780	1200	20000	1200	20000	1200	0.4	1.1	0.07	0.2				0.0033		
2-Hexanone (MBK)																
Methylene Chloride	85	13	760	24	12000	34	0.02	0.2	0.005	0.05						
4-Methyl-2pentanone (MIBK)	---	3100	---	3100	---	340	---	---	---	---	0.022			0.013		
Stryene	16000	1500	410000	1500	41000	430	4	18	0.1	0.5						
Tetrachloroethene	12	11	110	20	2400	28	0.06	0.3	0.005	0.025				0.0042		
Toluene	16000	650	410000	650	410000	42	12	29	1	2.5	0.0032		0.0023	3.6		
1,1,1-Trichloroethane	---	1200	---	1200	---	1200	2	9.6	0.2	1						0.011
Trichloroethylene	58	5	520	8.9	1200	12	0.06	0.3	0.005	0.025				0.005		0.014
Vinyl chloride	0.46	0.28	7.9	1.1	170	1.1	0.01	0.07	0.002	0.01						
Xylenes, Total	16000	320	410000	320	41000	5.6	150	150	10	10	0.011			1.5		
Isopropylbenzene	7800	500	200000	790	82000	51	91	460	0.7	3.5				0.05		

Shaded > Class I migration to ground water RO.
Circled > Residential Tier I RO
Circled Water > Class I groundwater objective
Bold > Ind/Com Tier I RO
Asterisk > Construction worker RO.

TABLE - 3
North Chicago
Analytical Data Table

CHEMICAL NAME	SOIL CORRECTIVE ACTION OBJECTIVES (mg/kg or mg/L)								GROUNDWATER INGESTION STANDARD (mg/L)		X-101 pH 6.6 pH 7.4*	X-102A pH 7.9 pH 7.9*	X-102B pH 7.5 pH 7.5*	X-103 pH 8.2 pH 8.2*	X-104A pH 7.2 pH 7.9 *	X-104A (TCLP)	X-104B pH 8.4 *	X-106 pH 7.6 p H 9.1 *	X-107 pH 7.3 pH 7.8 *	X-108 pH 5.1 pH 6.3 *	X-109 (TPH)	X-109A pH 7.2	X-109B pH 7.3	X-110 pH 7.0 PH 7.0*	X-111A pH 7.4 pH 7.8	X-111B pH 7.4	X-112 pH 7.3 pH 8.0	X-113 pH 7.2 pH 7.9*	X-114A pH 7.2 pH 7.6*	X-164 pH 7.7 pH 7.7*
	RESIDENTIAL		INDUSTRIAL COMMERCIAL		CONSTRUCTION WORKER		MIGRATION TO GROUNDWATER (mg/L)																							
	Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II	Class I	Class II																				
Semi-Volatiles - mg/kg or mg/L																														
Acenaphthylene	2300	---	61000	---	61000	---	85	420	0.21	1.05													1.2							
Acetophenone																														
Anthracene	23000	---	610000	---	610,000	---	12000	59000	2.1	10.5													1.2							
Benzo(a)anthracene	0.9	---	8	---	170	---	2	8	0.00013	0.00065					0.22								0.11							
Benzo(b)fluoranthene	0.9	---	8	---	170	---	5	25	0.00018	0.0009					0.38															
Benzo(k)fluoranthene	9	---	78	---	1700	---	49	250	0.00017	0.00085					0.25															
Benzo(g,h,i)perylene	2300	---	61000	---	61000	---	27000	130000	0.21	1.05					0.12															
Benzo(a)pyrene	0.09	---	0.8	---	17	---	8	82	0.0002	0.002					(0.22)															
Bis(2-ethylhexyl)phthalate	46	31000	410	31000	4100	31000	3600	31000	0.006	0.06													10	0.78				0.47	0.25
Butyl benzyl phthalate	16,000	930	410000	930	410000	930	930	930	1.4	7																				
Carbazole	32	---	290	---	6200	---	0.6	2.8	---	---																				
1,2-Dichloropropane	9	15	84	23	1800	0.5	0.03	0.15	0.005	0.025																				
Chrysene	88	---	780	---	17000	---	160	800	0.0015	0.0075					0.3								0.16							
Di-n-butyl phthalate	7800	2300	200000	2300	200000	2300	2300	2300	0.7	3.5	0.24							0.14				0.19	0.86	0.29		0.059		0.071	0.12
Dibenz(a,h)anthracene	0.09	---	0.8	---	17	---	2	7.6	0.0003	0.0015																				
Dibenzofuran	---	---	---	---	820	---	---	---															0.86							
Diethyl phthalate	63000	2000	1000000	2000	1000000	2000	470	470	5.6	5.6												0.07		0.067						
Fluoranthene	3100	---	82000	---	82000	---	4300	21000	0.28	1.4					0.27								0.18							
Fluorene	3100	---	82000	---	82000	---	560	2800	0.28	1.4													1.8							
Indeno(1,2,3-cd)pyrene	0.9	---	8	---	170	---	14	69	0.00043	0.00215					0.13															
2,4-Dimethylphenol	1600	---	41000	---	41000	---	9	9	0.14	0.14										0.061				0.32			0.17	0.12	0.17
2-Methyphenol	3900	---	100000	---	100000	---	15	15	0.35	0.35												0.37					0.21		
4-Methylphenol	390	---	10000	---	1000	---	0.2	0.2	0.035	0.035												0.36					0.24		
2-Methylnaphthanlene	310	---	8200	---	820	---	7.7	39	0.028	0.14													12	0.56					
Naphthalene	1600	170	41000	270	4100	1.8	12	18	0.14	0.22													3*	0.82			0.27	0.089	0.069
Phenanthrene	2300	---	61000	---	61000	---	200	1000	0.21	1.05					0.16								5.3	0.24					
Phenol	23000	---	610000	---	61000	---	100	100	0.1	0.1																			
Pyrene	2300	---	61000	---	61000	---	4200	21000	0.21	1.05					0.24			0.056					1.7	0.11					
Pesticides/PCBs - mg/kg or mg/L																														
p,p'-DDT	2	---	17	1500	100	2100	32	160	0.006	0.03																				
p,p'-DDD	3	---	24	---	520	---	16	80	0.014	0.07																				
p,p'-DDE	2	---	17	---	370	---	54	270	0.01	0.05																				
Endosulfan II	470	---	12000	---	1200	---	18	90	0.042	0.21																				
Endrin	23	---	610	---	61	---	1	5	0.002	0.01					0.013			0.012												
Aroclor 1254																														
Aroclor 1260																			0.048											
TPH / FOC																														
TPH (GRO) mg/Kg - Dry	Upper meter of soil - 6000 mg/kg				Soils below one meter - 2000 mg/kg																9900		14000				2600		
TPH (DRO) mg/Kg - Dry																					1700		7200				68		
TPH (ORO) mg/Kg - Dry																					73		2200				< 20		
FOC wt%											2.4																		

Shaded > Class I migration to ground water RO.
Circled > Residential Tier I RO
Circled Water > Class I groundwater objective
Bold > Ind/Com Tier I RO
Asterisk > Construction worker RO.

TABLE - 3
North Chicago
Analytical Data Table

CHEMICAL NAME	SOIL CORRECTIVE ACTION OBJECTIVES (mg/kg or mg/L)								GROUNDWATER INGESTION STANDARD (mg/L)	
	RESIDENTIAL		INDUSTRIAL COMMERCIAL		CONSTRUCTION WORKER		MIGRATION TO GROUNDWATER (mg/L)			
	Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II	Class I	Class II
Semi-Volatiles - mg/kg or mg/L										
Acenaphthylene	2300	---	61000	---	61000	---	85	420	0.21	1.05
Acetophenone										
Anthracene	23000	---	610000	---	610,000	---	12000	59000	2.1	10.5
Benzo(a)anthracene	0.9	---	8	---	170	---	2	8	0.00013	0.00065
Benzo(b)fluoranthene	0.9	---	8	---	170	---	5	25	0.00018	0.0009
Benzo(k)fluoranthene	9	---	78	---	1700	---	49	250	0.00017	0.00085
Benzo(g,h,i)perylene	2300	---	61000	---	61000	---	27000	130000	0.21	1.05
Benzo(a)pyrene	0.09	---	0.8	---	17	---	8	82	0.0002	0.002
Bis(2-ethylhexyl)phthalate	46	31000	410	31000	4100	31000	3600	31000	0.006	0.06
Butyl benzyl phthalate	16,000	930	410000	930	410000	930	930	930	1.4	7
Carbazole	32	---	290	---	6200	---	0.6	2.8	---	---
1,2-Dichloropropane	9	15	84	23	1800	0.5	0.03	0.15	0.005	0.025
Chrysene	88	---	780	---	17000	---	160	800	0.0015	0.0075
Di-n-butyl phthalate	7800	2300	200000	2300	200000	2300	2300	2300	0.7	3.5
Dibenz(a,h)anthracene	0.09	---	0.8	---	17	---	2	7.6	0.0003	0.0015
Dibenzofuran	---	---	---	---	820	---	---	---		
Diethyl phthalate	63000	2000	1000000	2000	1000000	2000	470	470	5.6	5.6
Fluoranthene	3100	---	82000	---	82000	---	4300	21000	0.28	1.4
Fluorene	3100	---	82000	---	82000	---	560	2800	0.28	1.4
Indeno(1,2,3-cd)pyrene	0.9	---	8	---	170	---	14	69	0.00043	0.00215
2,4-Dimethylphenol	1600	---	41000	---	41000	---	9	9	0.14	0.14
2-Methyphenol	3900	---	100000	---	100000	---	15	15	0.35	0.35
4-Methylphenol	390	---	10000	---	1000	---	0.2	0.2	0.035	0.035
2-Methylnaphthanlene	310	---	8200	---	820	---	7.7	39	0.028	0.14
Naphthalene	1600	170	41000	270	4100	1.8	12	18	0.14	0.22
Phenanthrene	2300	---	61000	---	61000	---	200	1000	0.21	1.05
Phenol	23000	---	610000	---	61000	---	100	100	0.1	0.1
Pyrene	2300	---	61000	---	61000	---	4200	21000	0.21	1.05
Pesticides/PCBs - mg/kg or mg/L										
p,p'-DDT	2	---	17	1500	100	2100	32	160	0.006	0.03
p,p'-DDD	3	---	24	---	520	---	16	80	0.014	0.07
p,p'-DDE	2	---	17	---	370	---	54	270	0.01	0.05
Endosulfan II	470	---	12000	---	1200	---	18	90	0.042	0.21
Endrin	23	---	610	---	61	---	1	5	0.002	0.01
Aroclor 1254										
Aroclor 1260										
TPH / FOC										
TPH (GRO) mg/Kg - Dry	Upper meter of soil - 6000 mg/kg		Soils below one meter - 2000 mg/kg							
TPH (DRO) mg/Kg - Dry										
TPH (ORO) mg/Kg - Dry										
FOC wt%										

CHEMICAL NAME	X-114B pH 7.4	X-115 pH 6.6 pH 8.2	X-116A pH 7.5	X-116B pH 7.8	X-118 pH 7.7 pH 7.9*	X-119 pH 7.2	X-119R pH 7.3*	X-120 pH 7.5 pH 8.0*	X-121 pH 6.8 pH 7.6	X-122 pH 7.3 pH 8.5	X-124 pH 7.5 pH 7.8*	X-126 pH 7.2 pH 7.8 *	X-176 pH 7.2 pH 7.8 *	X-130R pH 7.8 pH 7.4*	X-130R (TCLP)	MW-101 Soil pH 7.7 pH 7.9*	MW-104 Soil pH 7.7	G-105 pH 7.6	G-106 pH 7.3	G-113 pH 7.5
Semi-Volatiles - mg/kg or mg/L																				
Acenaphthylene											0.087	0.095	0.11						0.0042	
Acetophenone												0.29	0.41							
Anthracene								0.1				0.098	0.092			0.12				
Benzo(a)anthracene								0.074				0.39	0.36			0.25				
Benzo(b)fluoranthene								0.08	0.07			0.7	0.84			0.39				
Benzo(k)fluoranthene		0.09						0.11	0.1			0.48	0.48			0.28				
Benzo(g,h,i)perylene												0.21	0.24			0.53				
Benzo(a)pyrene								0.06				0.45	0.43			0.44				
Bis(2-ethylhexyl)phthalate		3	0.22						2.9			4.6	4.7							
Butyl benzyl phthalate												0.071	0.1							
Carbazole								0.089												
1,2-Dichloropropane																			0.0039	
Chrysene								0.071				0.63	0.66			0.39				
Di-n-butyl phthalate	0.092	0.18		0.086	0.12			0.14	0.11	0.11		0.5	0.53	0.22		0.092	0.098			
Dibenz(a,h)anthracene												0.066	0.068			0.069				
Dibenzofuran								0.067			0.069		0.071			0.13			0.0019	
Diethyl phthalate		0.064										0.43	0.55							
Fluoranthene		0.068						0.26	0.12			0.63	0.51			0.39			0.0047	
Fluorene								0.15			0.12					0.083				
Indeno(1,2,3-cd)pyrene												0.21	0.21			0.26				
2,4-Dimethylphenol																				
2-Methyphenol																				
4-Methylphenol												0.086	0.13							
2-Methylnaphthanlene		0.44	0.071								0.015	0.25	0.32			0.41		0.0049	0.059	
Naphthalene		0.074	0.27									0.16	0.21			0.18		0.4	0.039	
Phenanthrene		0.19						0.46	0.3		0.32	0.78	0.82			0.87			0.0044	
Phenol												0.069	0.096						0.0047	
Pyrene		0.11						0.18	0.14			0.72	0.79			1.4				
Pesticides/PCBs - mg/kg or mg/L																				
p,p'-DDT										0.024				0.012		0.019				
p,p'-DDD										0.015						0.011				
p,p'-DDE										0.041		0.15	0.16			0.0071				
Endosulfan II																0.0062				
Endrin										0.012	0.0066			0.017		0.031				
Aroclor 1254										0.13	0.11			0.1		0.22				
Aroclor 1260										0.11	0.049	3.1	3.7							
TPH / FOC																				
TPH (GRO) mg/Kg - Dry			2000																	
TPH (DRO) mg/Kg - Dry			120																	
TPH (ORO) mg/Kg - Dry			92																	
FOC wt%											2.4						1.5			

Shaded > Class I migration to ground water RO.
Circled > Residential Tier I RO
Circled Water > Class I groundwater objective
Bold > Ind/Com Tier I RO
Asterisk > Construction worker RO.

TABLE - 3
North Chicago
Analytical Data Table

CHEMICAL NAME	SOIL CORRECTIVE ACTION OBJECTIVES (mg/kg or mg/L)								GROUNDWATER INGESTION STANDARD (mg/L)								
	RESIDENTIAL		INDUSTRIAL COMMERCIAL		CONSTRUCTION WORKER		MIGRATION TO GROUNDWATER (mg/L)										
	Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II	Class I	Class II	G-163 pH 7.6	G-118 pH 7.8	MW-101	MW-102	MW-103	MW-104
Semi-Volatiles - mg/kg or mg/L																
Acenaphthylene	2300	---	61000	---	61000	---	85	420	0.21	1.05						
Acetophenone																
Anthracene	23000	---	610000	---	610,000	---	12000	59000	2.1	10.5						
Benzo(a)anthracene	0.9	---	8	---	170	---	2	8	0.00013	0.00065						
Benzo(b)fluoranthene	0.9	---	8	---	170	---	5	25	0.00018	0.0009						
Benzo(k)fluoranthene	9	---	78	---	1700	---	49	250	0.00017	0.00085						
Benzo(g,h,i)perylene	2300	---	61000	---	61000	---	27000	130000	0.21	1.05						
Benzo(a)pyrene	0.09	---	0.8	---	17	---	8	82	0.0002	0.002						
Bis(2-ethylhexyl)phthalate	46	31000	410	31000	4100	31000	3600	31000	0.006	0.06						
Butyl benzyl phthalate	16,000	930	410000	930	410000	930	930	930	1.4	7						
Carbazole	32	---	290	---	6200	---	0.6	2.8	---	---						
1,2-Dichloropropane	9	15	84	23	1800	0.5	0.03	0.15	0.005	0.025						
Chrysene	88	---	780	---	17000	---	160	800	0.0015	0.0075						
Di-n-butyl phthalate	7800	2300	200000	2300	200000	2300	2300	2300	0.7	3.5						0.098
Dibenz(a,h)anthracene	0.09	---	0.8	---	17	---	2	7.6	0.0003	0.0015						
Dibenzofuran	---	---	---	---	820	---	---	---								
Diethyl phthalate	63000	2000	1000000	2000	1000000	2000	470	470	5.6	5.6			0.0015			
Fluoranthene	3100	---	82000	---	82000	---	4300	21000	0.28	1.4						
Fluorene	3100	---	82000	---	82000	---	560	2800	0.28	1.4						
Indeno(1,2,3-cd)pyrene	0.9	---	8	---	170	---	14	69	0.00043	0.00215						
2,4-Dimethylphenol	1600	---	41000	---	41000	---	9	9	0.14	0.14				0.0058		
2-Methyphenol	3900	---	100000	---	100000	---	15	15	0.35	0.35				0.011		
4-Methylphenol	390	---	10000	---	1000	---	0.2	0.2	0.035	0.035				0.022		
2-Methylnaphthanlene	310	---	8200	---	820	---	7.7	39	0.028	0.14						
Naphthalene	1600	170	41000	270	4100	1.8	12	18	0.14	0.22				0.028		
Phenanthrene	2300	---	61000	---	61000	---	200	1000	0.21	1.05						
Phenol	23000	---	610000	---	61000	---	100	100	0.1	0.1						
Pyrene	2300	---	61000	---	61000	---	4200	21000	0.21	1.05						
Pesticides/PCBs - mg/kg or mg/L																
p,p'-DDT	2	---	17	1500	100	2100	32	160	0.006	0.03						
p,p'-DDD	3	---	24	---	520	---	16	80	0.014	0.07						
p,p'-DDE	2	---	17	---	370	---	54	270	0.01	0.05						
Endosulfan II	470	---	12000	---	1200	---	18	90	0.042	0.21						
Endrin	23	---	610	---	61	---	1	5	0.002	0.01						
Aroclor 1254																
Aroclor 1260																
TPH / FOC																
TPH (GRO) mg/Kg - Dry	Upper meter of soil - 6000 mg/kg Soils below one meter - 2000 mg/kg															
TPH (DRO) mg/Kg - Dry																
TPH (ORO) mg/Kg - Dry																
FOC wt%																

Shaded > Class I migration to ground water RO.
Circled > Residential Tier I RO
Circled Water > Class I groundwater objective
Bold > Ind/Com Tier I RO
Asterisk > Construction worker RO.

APPENDIX – A

Resolution No. 2008-861

SMITH & LaLUZERNE, LTD.
A Professional Corporation
Attorneys at Law
209 West Madison Street, 2nd Floor
Waukegan, Illinois 60085-4345
Telephone 847/775-7700
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Charles W. Smith
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Joel D. Gingiss
James C. Hartman

email: chuck.smith@csmithlaw.com

February 13, 2008

Mr. Tom Crause
c/o Bureau of Land
Illinois Environmental Protection Agency
1023 N. Grand Avenue
Springfield IL 62794

Re: 1901 Sheridan Road (aka 1950 Marquette)
North Chicago IL

Dear Mr. Crause:

Enclosed please find a copy of the Resolution adopted by the North Chicago City Council at their meeting on February 4, 2008. Delta Institute and I would like to work with the IEPA in providing technical assistance in assessing the environmental impact at 1901 Sheridan Road. Please advise me as to your time line.

Sincerely,

SMITH & LaLUZERNE, LTD.

Charles W. Smith

CWS:sd
cc: Leon Rockingham, Jr.
Deborah Waszak
Laraesa Garland
Christine Slattery

RECEIVED
FEB 19 2008
IEPA-BOL-FSRS

Feb 15 2008 3:02PM HP LASERJET FAX 8473588885 p.2

RESOLUTION OF THE NORTH CHICAGO CITY COUNCIL REQUESTING ASSISTANCE FROM THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY IN RELATION TO ENVIRONMENTAL ISSUES AT 1901 SHERIDAN ROAD, a/k/a 1950 MARQUETTE, THE FORMER CENTRAL PACKAGING WAREHOUSE PROPERTY

RESOLUTION NO: 2008- 861

WHEREAS, it is in the public interest to promote the development of the property along Sheridan Road within the City of North Chicago; and

WHEREAS, it is a high priority of the City of North Chicago to reclaim the former industrial land along Sheridan Road for private commercial use; and

WHEREAS, the City of North Chicago believes property located at 1901 Sheridan Road, a/k/a 1950 Marquette, which the City of North Chicago has an option to purchase for **ONE DOLLAR ($1.00)**, and properties located in proximity to this property, to be of particular concern due to their historical usage and the fact they are currently in an underutilized and abandoned state; and

WHEREAS, redevelopment options for the property at 1901 Sheridan Road within the City of North Chicago cannot be fully identified until the environmental conditions of the property have been established; and

WHEREAS, the Illinois Environmental Protection Agency can assist the City of North Chicago in identifying environmental conditions on the aforementioned property; and

WHEREAS, it is in the public interest to ensure that any environmental conditions which may pose a threat to health or the environment of the property be addressed; and

WHEREAS, identification of environmental conditions on the above-mentioned property is critical to the future development of the property as a potential "Brownfield" area.

NOW, THEREFORE, BE IT HEREBY RESOLVED BY THE MAYOR AND CITY COUNCIL OF THE CITY OF NORTH CHICAGO, LAKE COUNTY, ILLINOIS, as follows:

1. That the City of North Chicago hereby requests the assistance and participation of the Illinois Environmental Protection Agency in any manner to provide for the timely and comprehensive environmental investigation of the property located at 1901 Sheridan Road, a/k/a 1950 Marquette, in order to seek Brownfield assistance for redevelopment of the property.

2. That the foregoing recitals are hereby found as fact and made a part hereof.

3. That this Resolution shall be in full force and effect from and after the date of its passage and approval in the manner provided by law.

AYES	FISHER, KNEELAND, DEVOST, ALLEN, RUNNELS, MAYERS
NAYS	NONE
ABSENT AND/OR NOT VOTING	ELLIS

Adopted this **4th** day of **February, 2008**.

LEON ROCKINGHAM, JR., Mayor
City of North Chicago

ATTEST:

LORI L. COLLINS, City Clerk

APPENDIX – B

Soil Boring Logs / Monitoring Well Installation Forms

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: 0971255020 **Fed. ID No.:** ILB 000 000 087 **County:** Lake

Site File Name: Chemical Packing (a.k.a. North Chicago) **Boring / Well No.:** GP-101

GPS Coordinates: Northing Unspecified **Easting** Unspecified **Date: Start** 05/29/08 **Finish** 05/29/08

Equipment Used: Geoprobe 5400/Macro-Core Sampler/Discrete Sampler **Surface Elevation:** Unspecified

Location Description: Asphalt parking area on northeast corner of site. **Completion Depth:** 12 Feet

Logged By: James M. Salch

Depth (ft)	Lithology	USCS	Description
0		AS	ASPHALT: Asphalt, with gray sand and gravel below.
1		CL	SANDY CLAY: Brown silty sandy clay, moist, low plasticity. (0.5'-1.8')
2		FL	FILL: Dark gray to black sand and gravelly textured fill material, cinders, loose. (1.8'-2.5')
3		SM	SILTY SAND: Silty fine sand, moist, medium dense. (2.5'-4.5') Brown 2.5'-3' Brown & Gray 3'-3.6' Mottled brown 3.6'-4'
5		CL	SANDY CLAY: Brown sandy clay, soft, moist, grading to brown sand. (4.5'-6.8')
7		SP	SAND: Brown fine to medium sand, moist-wet. (6.8'-12') Wet at 9.5'
12			
15			

Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0								
1						0		XRF-43 Pb-55 (1')
						0		
2		X-101 Metals	0 - 4	Macro-Core	4.0 Feet	0		XRF-44 Pb-45.4, Zn-764 (2')
3						0		XRF-45 Cr-687 (2.8')
4						0		XRF-46 Cr-507 (3.8')
						0		XRF-47 Cr-673 (4.5')
5		X-101 Org/FOC				0		
6			4 - 8	Macro-Core	4.0 Feet	0		XRF-48 Low (6')
7						0		
								XRF-49 Cr-661 (7.5')
8						0		
						0		
9						0		
								Wet @ 9.5'
10			8 - 12	Macro-Core	4.0 Feet	0		
11						0		
12						0		
13								X-101 11:00, 1.8-2.5 ft (total metals), 4-6 ft (organics / FOC)
14								
15								

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: 0971255020 **Fed. ID No.:** ILB 000 000 087 **County:** Lake

Site File Name: Chemical Packing (a.k.a. North Chicago) **Boring / Well No.:** GP-102

GPS Coordinates: Northing Unspecified **Easting** Unspecified **Date: Start** 05/29/08 **Finish** 05/29/08

Equipment Used: Geoprobe 5400/Macro-Core Sampler/Discrete Sampler **Surface Elevation:** Unspecified

Location Description: Asphalt parking area on northeast corner of site. **Completion Depth:** 16 Feet

Logged By: James M. Salch

Depth (ft)	Lithology	USCS	Description
0		AS	ASPHALT: Asphalt, with gray sand and gravel below.
1		FL	FILL: Dark gray to black sand and gravelly textured fill material, cinders, loose. (0.5'-1.1')
2		CL	SANDY CLAY: Rusty brown sandy clay - clayey sand, moist. (1.1'-2.8')
3		SP	SAND: Gray brown fine sand, medium dense, moist. Color grades to brown with depth. (2.8'-5')
4			
5		SC	CLAYEY SAND: Above transitions to brown clayey sand - sandy clay, moist. (5'-9.5')
6			
7			Trace of gravel from 7'-8'.
8			
9		SP	SAND: Brown fine to medium sand, trace of silt and clay, wet. (9.5'-15.5')
10			
11			
12			Thin lenses of sandy clay 12.5'-13'.
13			
14			
15			
16		SP	SAND: Gray very fine sand, dense, saturated. (15.5'-16')
17			
18			
19			
20			

Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
	X-102A Metals	0 - 4	Macro-Core	4.0 Feet	3714	ppb	XRF-51 Pb-66 / Cr 1230 / Hg 55.9 (0.6')
					23	ppb	
					0		XRF-52 Cr 940 / Zn-560 (2')
	X-102B Metals				0		XRF-53 Cr-1010 / Zn 582 (3')
					0		XRF-54 Low (3.8')
		4 - 8	Macro-Core	4.0 Feet	0		XRF-55 Cr-680 (5')
					0		XRF-56 Low (6')
					0		
					0		
		8 - 12	Macro-Core	4.0 Feet	0		XRF-57 Cr-510 (9.5')
					0		
					0		
					0		
		12 - 16	Discrete Core	3.2 Feet	0		
					25	ppb	
					36	ppb	
					0		TOB-16 ft.
							X-102A 0.5-1 ft, 11:50, Total Metals
							X-102B 2.5-3.5 ft, 11:50, Total Metals

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: 0971255020 **Fed. ID No.:** ILB 000 000 087 **County:** Lake

Site File Name: Chemical Packing (a.k.a. North Chicago) **Boring / Well No.:** GP-103

GPS Coordinates: Northing Unspecified **Easting** Unspecified **Date: Start** 05/29/08 **Finish** 05/29/08

Equipment Used: Geoprobe 5400/Macro-Core Sampler/Discrete Sampler **Surface Elevation:** Unspecified

Location Description: Asphalt parking area on northeast corner of site. **Completion Depth:** 12 Feet

Logged By: James M. Salch

Depth (ft)	Lithology	USCS	Description
0		AS	ASPHALT: Asphalt, with gray sand and gravel below.
1		FL	FILL: Dark gray to black sand and gravelly textured fill material, cinders, loose. (0.5'-1.1')
2		FL	FILL: Light gray sand and gravel. (1.1'-2.8')
3			SAND: Brown clayey sand, medium dense, moist. (2.8'-8')
4			At 4' decreasing clay content, fine - med sand
5		SP	
6			
7		SC	
8			SAND: Fine to coarse sand, well graded. (8'-12')
9			
10		SW	
11			
12			
13			
14			
15			

Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0								
1		X-103 Metals	0 - 4	Macro-Core	2.4 Feet	217 ppb 23 ppb		XRF-58 Pb-72.8 / Cr 953 / Hg 91/ Cu 410 (0.6')
2						0		XRF-59 Low (1.5')
3						0		
4						0		XRF-60 Low (3.5')
5			4 - 8	Macro-Core	4.0 Feet	0		XRF-61 Low (4.5')
6						0		
7						0		XRF-62 Cr-868 (7')
8						0		
9			8 - 12	Macro-Core	4.0 Feet	0		
10						0		XRF-63 Low (10')
11						0		
12						0		TOB-12 ft
13								X-103 0.5-1.5 ft, 14:00, Total Metals
14								
15								

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: 0971255020 **Fed. ID No.:** ILB 000 000 087 **County:** Lake

Site File Name: Chemical Packing (a.k.a. North Chicago) **Boring / Well No.:** GP-104

GPS Coordinates: Northing Unspecified **Easting** Unspecified **Date: Start** 05/29/08 **Finish** 05/29/08

Equipment Used: Geoprobe 5400/Macro-Core Sampler/Discrete Sampler **Surface Elevation:** Unspecified

Location Description: Asphalt parking area on northeast corner of site. **Completion Depth:** 12 Feet

Logged By: James M. Salch

Depth (ft)	Lithology	USCS	Description
0		AS	ASPHALT: Asphalt, with gray sand and gravel below.
1		FL	FILL: Dark gray to black sand and gravelly textured fill material, cinders, loose. (0.5'-1.4')
2		FL	FILL: Light gray sand and gravel. (1.4'-1.8')
		FL	FILL: Mottled dark brown sandy material with gravel, brick fragments. (1.8'-2.5')
3			SAND: Brown fine to coarse sand, well graded, medium dense, moist. (2.5'-9.8')
5			
6			Moist - wet.
7		SW	
8			
9			
10		SP	SAND: Brown very fine sand, very dense, wet. (9.8'-10.7')
11		CL	SANDY CLAY: Brown silty sandy clay, very hard, moist. (10.7'-11.6')
12		SM	SILTY SAND: Mottled brown and rusty brown very fine silty sand, very dense, moist. (11.6-12')
13			
14			
15			

Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0						11	ppb	XRF-64 Pb-53 / Hg 62 / Cu 355 (0.6')
1						0		
2		X-104A	0 - 4	Macro-Core	3.5 Feet	0		XRF-65 Pb 2960 / Zn 25,900 / Cu 10,200 (2.0')
3		X-104B				0		XRF-66 Low (3')
4						0		
			4 - 8	Macro-Core	3.5 Feet			XRF-67 Low (4.5')
5						0		
6						0		
7						0		XRF-69 Low (7')
8						0		
9			8 - 12	Macro-Core	3.0 Feet	0		
10						0		XRF-70 Low (10')
11						0		
12						0		Refusal at 14 feet. Material too hard to core.
13								X-104A 1.8-2.5 ft, 15:20, Total Metals, TCLP Metals, Organics (No VOCs)
14								X-104B 3-4 ft, 15:20, Total Metals
15								

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: 0971255020 **Fed. ID No.:** ILB 000 000 087 **County:** Lake

Site File Name: Chemical Packing (a.k.a. North Chicago) **Boring / Well No.:** GP-105

Coordinates: Northing Unspecified **Easting** Unspecified **Date: Start** 06/05/08 **Finish** 06/05/08

Equipment Used: Geoprobe 5400/Macro-Core Sampler/Discrete Sampler **Surface Elevation:** Unspecified

Location Description: Located in quonset hut bldg near grated washing area. **Completion Depth:** 20 Feet

Logged By: James M. Salch

Depth (ft)	Lithology	USCS	Description
0		AS	CONCRETE: Concrete with gravel below. (0-0.5')
0.5–4		SC	CLAYEY SAND: Brown clayey fine sand, moist. Poor recovery. (0.5'-4')
4–7		CL	SILTY CLAY: Brown sandy silty clay, moist, low plasticity. (4'-7') Decreasing clay content with depth, moist - wet.
7–7.8		SP	SAND: Gray very fine sand, wet. (7'-7.8')
7.8–8.5		SW	SAND: Gray fine - coarse sand, well graded, wet. (7.8'-8.5')
8.5–20		ML & SM	SILT: Gray silt to very fine sand, wet-saturated, solvent odors. (8.5'-20') Alternating lenses of gray very fine sand, silt, and clay, ranging from moist to wet. Wet zone 17-18.5 ft

Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0–4	G-105	0 - 4	Macro-Core	1.6 Feet	0 ppm		XRF-360 Zn 836 (0.6')
					0 ppm		
					0 ppm		XRF-361 Zn 606 (3.0')
4–8		4 - 8	Macro-Core	2.7 Feet	0 ppm		
					0 ppm		
					0 ppm		XRF-362 Cr 428 / Zn 391 (6.5')
8–12		8 - 12	Discrete Core	3.5 Feet	21.5 ppm		
					23 ppm		
					4.4 ppm		
					8.9 ppm		Sample G-105 collected from 8'-12'.
					170 ppm		
					286 ppm		
					92 ppm		
12–16		12 - 16	Discrete Core	4.0 Feet	650 ppb		Start pumping at 10:25.
					300 ppb		
					500 ppb		
					1400 ppb		
					585 ppb		
16–20		16 - 20	Discrete Core	4.0 Feet	285 ppb		
					287 ppb		
					0 ppb		
					0 ppb		TOB-20 ft

Time	Temp	pH	Cond
10:30	13.0	7.23	0.443
10:35	12.2	7.17	0.408
10:40	11.7	7.21	0.406
10:45	11.6	7.19	0.407
10:50	11.5	7.19	0.409

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: 0971255020 **Fed. ID No.:** ILB 000 000 087 **County:** Lake

Site File Name: Chemical Packing (a.k.a. North Chicago) **Boring / Well No.:** GP-106

GPS Coordinates: Northing Unspecified **Easting** Unspecified **Date: Start** 05/28/08 **Finish** 05/28/08

Equipment Used: Geoprobe 5400/Macro-Core Sampler/Discrete Sampler **Surface Elevation:** Unspecified

Location Description: Western edge of tank excavation where paint splaters were observed on building wall. **Completion Depth:** 12 Feet

Logged By: James M. Salch

Depth (ft)	Lithology	USCS	Description
0		AS	CONCRETE: Concrete (0-0.35')
1		SC	CLAYEY SAND: Reddish brown clayey fine - medium sand, moist. (4"-2.35')
2			
3			FINE SAND: Medium brown fine sand, well sorted, moist. (2.35'-5.5')
4		SP	Perched water 4-5 ft
5			
6		CL	SANDY CLAY: Gray & brown sandy clay, moist, soft. (5.5'-7.5')
7			
8		SP	SAND: Gray sand with clay, loose, saturated. (7.5'-9')
9		SP	SAND: Brown fine - medium sand, saturated. (9'-10')
10		SC	CLAYEY SAND: Gray clayey sand, loose, wet. (10'-11.5')
11			
12		CL	SILTY CLAY: Brown silty clay, moist, soft. (11.5'-12')
13			
14			
15			
16			
17			
18			
19			
20			

Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
	X-106	0 - 4	Macro-Core	2.8 Feet	838	ppbm	XRF-21 Low (0.5')
					1105	ppb	XRF-22 Cr 453 (1.5')
					2900	ppbm	XRF-23 Cr 429 (2')
					147	ppb	
					23	ppb	
		4 - 8	Macro-Core	3.6 Feet	0	ppb	Perched Water 4-5 ft
					1	ppb	
					159	ppb	XRF-24 Pb 67 (6')
					0		
					0		Wet @ 7.5 ft
	G-106	8 - 12	Macro-Core	3.5 Feet	0		
					0		
					0		
					0		
					0		XRF-25 taken in gravel at 6" off of concete.

TOB-12 ft

X-106 2-3 ft, 17:00, TCL

Start pumping at 11:00 6/6/08.

Time	Temp	pH	Cond
11:08	16.4	6.50	1.66
11:15	15.5	6.60	1.69
11:20	15.8	6.64	1.68
11:25	15.6	6.65	1.68
11:30	15.5	6.69	1.66

G-106 8'-12', 11:30, TCL

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: 0971255020 **Fed. ID No.:** ILB 000 000 087 **County:** Lake

Site File Name: Chemical Packing (a.k.a. North Chicago) **Boring / Well No.:** GP-107

GPS Coordinates: Northing Unspecified **Easting** Unspecified **Date: Start** 05/28/08 **Finish** 05/28/08

Equipment Used: Geoprobe 5400/Macro-Core Sampler/Discrete Sampler **Surface Elevation:** Unspecified

Location Description: Eastern edge of tank excavation near perimeter fence. **Completion Depth:** 12 Feet

Logged By: James M. Salch

Depth (ft)	Lithology	USCS	Description
0–1.75		FL	FILL: Gray sand and gravel, fill (0-1.75')
1.75–7.5		CL	SILTY CLAY: Brown silty clay, moist. (1.75'-7.5')
7.5–11		SC	CLAYEY SAND: Gray to brown clayey sand/sandy clay, wet at 10 ft. (7.5'-11')
11–12		SP	FINE SAND: Gray very fine sand, poorly graded, wet, medium dense. (11'-12')

Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	PID	FID	Remarks
		0 - 4	Macro-Core	3.0 Feet	0		
					0		XRF-8 Cr 357 (1.8') Top of clay
							XRF-9 (2')
					0		
							XRF-10 Cr 556 (3.5')
					0		
		4 - 8	Macro-Core	2.3 Feet	0		
					0		XRF-11 (6')
					167	ppb	XRF-12 Pb 49 / Cr 430 (7')
					159	ppb	
		8 - 12	Macro-Core	4 Feet	1680	ppb	
	X-107				799	ppb	XRF-13 Pb 56 (9')
					3440	ppb	Wet at 10 ft.
					176	ppm	XRF-14 Low (11')
					5330	ppb	
							TOB-12 ft
							X-107 9-10 ft, 10:45 TCL

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: 0971255020 **Fed. ID No.:** ILB 000 000 087 **County:** Lake

Site File Name: Chemical Packing (a.k.a. North Chicago) **Boring / Well No.:** GP-108

GPS Coordinates: Northing Unspecified **Easting** Unspecified **Date: Start** 05/28/08 **Finish** 05/28/08

Equipment Used: Geoprobe 5400/Macro-Core Sampler/Discrete Sampler **Surface Elevation:** Unspecified

Location Description: SE corner of site near loading dock and southern property line. **Completion Depth:** 12 Feet

Logged By: James M. Salch

Depth (ft)	Lithology	USCS	Description
0–1		AS	ASPHALT: Asphalt / Concrete, sand and gravel. (0-1')
1–2		SC	CLAYEY SAND: Gray - brown clayey fine to medium sand. (1'-1.5')
2–12		SP	SAND: Gray - brown fine to medium sand, well sorted, moist, PID response and solvent odor.
7			More gray at 7.5 ft
8–12			Brown, wet-saturated, medium dense to dense. (8'-12')

Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
							XRF-15 Low (1')
		0 - 4	Macro-Core	2.7 Feet	2.7	ppm	
					22	ppm	XRF-16 Low (2.5')
	X-108				80	ppm	XRF-17 Low (3.7')
		4 - 8	Macro-Core	3.5 Feet	34.6	ppm	
					7.9	ppm	
					9.3	ppm	XRF-18 Low (6.5')
					8.4	ppm	Wet 7-8 ft
					14.7	ppm	XRF-19 Low (7.7')
		8 - 12	Macro-Core	3.5 Feet	12.9	ppm	
					11.5	ppm	
					5.8	ppm	
					11	ppm	TOB-12 ft
							X-108 3-5 ft, 12:30 TCL

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: 0971255020 **Fed. ID No.:** ILB 000 000 087 **County:** Lake

Site File Name: Chemical Packing (a.k.a. North Chicago) **Boring / Well No.:** GP-109

GPS Coordinates: Northing Unspecified **Easting** Unspecified **Date: Start** 05/27/08 **Finish** 05/27/08

Equipment Used: Geoprobe 5400/Macro-Core Sampler/Discrete Sampler **Surface Elevation:** Unspecified

Location Description: SE corner of site in asphalt drive near corner of perimeter fence. **Completion Depth:** 20 Feet

Logged By: James M. Salch

Depth (ft)	Lithology	USCS	Description
0–1		AS	ASPHALT: Asphalt, sand and gravel. (0-1')
1–2.4		SC	SANDY CLAY: Gray green sandy clay, moist, stiff, slight odor. (1'-2.4')
2.4–10		SP	SAND: Light brown fine to medium sand with lenses of sandy clay, dry, medium dense.
			Reddish brown, well sorted.
			Strong solvent odor, free phase contamination.
10–20		SP	FINE SAND: Reddish brown fine sand, wet, medium dense.
			Gray at 11ft, well sorted, solvent odor.
			Saturated at 12'

Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0–4		0 - 4	Macro-Core	2.3 Feet	1 ppm		
					49.9 ppm		
4–8	X-109A	4 - 8	Macro-Core	2.3 Feet	81.8 ppm		X-109A 3-5 ft, 13:20 Organics
					20.6 ppm		
					111 ppm		
8	X-109B				63 ppm		X-109B 7.5-8 ft, 15:00, VOCs only.
8–12		8 - 12	Macro-Core	2.8 Feet	174 ppm		X-109 8-12 ft, 12:45, TPH Only
					99.9 ppm		Free phase product in 8'-12' core on 6/25
					1212 ppm		Wet @ 10 ft
12–16		12 - 16	Discrete Core	2.6 Feet			Solvent odor throughout boring.
16–20		16 - 20	Discrete Core	2.8 Feet			
20							TOB-20 ft

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: 0971255020 **Fed. ID No.:** ILB 000 000 087 **County:** Lake

Site File Name: Chemical Packing (a.k.a. North Chicago) **Boring / Well No.:** GP-110

GPS Coordinates: Northing Unspecified **Easting** Unspecified **Date: Start** 06/3/08 **Finish** 06/3/08

Equipment Used: Geoprobe 5400/Macro-Core Sampler/Discrete Sampler **Surface Elevation:** Unspecified

Location Description: East side of one story building east of building C. **Completion Depth:** 16 Feet

Logged By: James M. Salch

Depth (ft)	Lithology	USCS	Description
0–0.5		AS	CONCRETE: Concrete (0-0.5')
0.5–1.5		SC	CLAYEY SAND: Gray brown clayey sand, solvent odor. (0.5'-1.5')
1.5–8		SP	FINE SAND: Gray brown fine sand, poorly graded, medium dense, moist. SAA - Gray, wet.
8–9		SC	CLAYEY SAND: Gray sandy clay/clayey sand. (8'-9')
9–10.7		SP	FINE SAND: Gray very fine sand, saturated. (9'-10.7')
10.7–11.6		CL	SANDY CLAY: Gray silty clay, moist. (10.7'-11.6')
11.6–13.7		SP	FINE SAND: Gray very fine sand, wet. (11.6'-13.7)
13.7–16		ML	SILT: Gray silt, moist-wet. (13.7'-16')

Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
	X-110	0 - 4	Macro-Core	3.2 Feet	12.4 ppm		Background PID 385 ppb
					565 ppm		XRF-316 Low (1')
					432 ppm		XRF-317 Zn 561 (2')
					116 ppm		XRF-318 Zn 412 (3')
					722 ppm		
		4 - 8	Macro-Core	4.0 Feet	434 ppm		
					291 ppm		Wet @ 5 ft
					292 ppm		
					44 ppm		
		8 - 12	Discrete Core	3.0 Feet	33.9 ppm		
					28 ppm		
					44 ppm		
					30 ppm		
		12 - 16	Discrete Core	3.0 Feet	2.1 ppm		
					1.9 ppm		
					2.9 ppm		
					4.6 ppm		
							TOB-16 ft
							X-110 3-4 ft, 13:00 TCL / TPH

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: 0971255020 **Fed. ID No.:** ILB 000 000 087 **County:** Lake

Site File Name: Chemical Packing (a.k.a. North Chicago) **Boring / Well No.:** GP-111

GPS Coordinates: Northing Unspecified **Easting** Unspecified **Date: Start** 06/3/08 **Finish** 06/3/08

Equipment Used: Geoprobe 5400/Macro-Core Sampler/Discrete Sampler **Surface Elevation:** Unspecified

Location Description: West side of one story building east of building C. **Completion Depth:** 12 Feet

Logged By: James M. Salch

Depth (ft)	Lithology	USCS	Description
0		AS	CONCRETE: Concrete (0-0.5')
1			BLANK: No Recovery (0.5'-4')
2			
3			
4			SAND: Brown fine to medium sand, poorly graded, medium dense, moist.
5		SP	Gray @ 6 ft, moist - wet.
6			
7			SILT: Gray silt/very fine sand, moist - wet. (6.5'-12')
8			
9		ML	
10			
11			
12			
13			
14			
15			

Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0			0 - 4	Macro-Core	0 Feet	138 ppm		
1								
2						61 ppm		No recovery first attempt. PID readings collected from second boring; however, soil description from 0-4 ft was not documented.
3						42 ppm		
4						406 ppm		
4		X-111A	4 - 8	Macro-Core	3.5 Feet	210 ppm		XRF-319 Zn 460 (4.5')
5						533 ppm		
6						372 ppm		XRF-320 Low (6') Perched water @ ~6 ft
7						25 ppm		
7						16 ppm		XRF-321 Low (7.5')
8			8 - 12	Discrete Core	3.2 Feet	259 ppm		
9						290 ppm		
10						82 ppm		
11						82 ppm		
11		X-111B						
12						78 ppm		TOB-12 ft
13								X-111A 4-5 ft, 14:00, TCL
14								X-111B 11-12 ft, 14:00, Organics
15								

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: 0971255020 **Fed. ID No.:** ILB 000 000 087 **County:** Lake

Site File Name: Chemical Packing (a.k.a. North Chicago) **Boring / Well No.:** GP-112

GPS Coordinates: Northing Unspecified **Easting** Unspecified **Date: Start** 06/4/08 **Finish** 06/4/08

Equipment Used: Geoprobe 5400/Macro-Core Sampler/Discrete Sampler **Surface Elevation:** Unspecified

Location Description: East side of Building D. **Completion Depth:** 12 Feet

Logged By: James M. Salch

Depth (ft)	Lithology	USCS	Description
0		AS	CONCRETE: Concrete and subfloor gravel. (0-0.5')
1		CL	SANDY CLAY: Gray green sandy clay, medium stiff, moist, solvent odor. (0.5'-3.5')
2			Above grades to clayey sand @ 3 ft.
3		SP	FINE SAND: Brown fine sand, poorly graded, loose, moist, solvent odor (3.5'-6')
5			
6		SP	FINE SAND: Gray fine sand, medium dense, moist - wet. (6'-12')
7			Saturated 8-12 ft
8			
9			
10			
11			
12			
13			
14			
15			

Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0								
1			0 - 4	Macro-Core	3.0 Feet	2 ppm		XRF-356 Zn 548 / Cr 437 (0.6')
						1.5 ppm		XRF-357 Zn 604 (1.5')
2						2.9 ppm		
3		X-112				3.3 ppm		
4						19.9 ppm		XRF-356 Cr 512 (3.7')
5			4 - 8	Macro-Core	3.0 Feet	14.8 ppm		
						14 ppm		
6						16 ppm		
7						7.5 ppm		Water @ 7 ft
8						3.3 ppm		
			8 - 12	Discrete Core	3.0 Feet	0.29 ppm		
9						1.4 ppm		
10						0.132 ppm		
11						0.723 ppm		
12						0.122 ppm		TOB-12 ft
13								X-112 3-4 ft, 17:15, VOC / SVOC / Total Metals
14								
15								

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: 0971255020 **Fed. ID No.:** ILB 000 000 087 **County:** Lake

Site File Name: Chemical Packing (a.k.a. North Chicago) **Boring / Well No.:** GP-113

GPS Coordinates: Northing Unspecified **Easting** Unspecified **Date: Start** 06/3/08 **Finish** 06/3/08

Equipment Used: Geoprobe 5400/Macro-Core Sampler/Discrete Sampler **Surface Elevation:** Unspecified

Location Description: East side of Building C, just east of where the product piping leads to the product pumping station. **Completion Depth:** 20 Feet

Logged By: James M. Salch

Depth (ft)	Lithology	USCS	Description
0		AS	CONCRETE: Concrete and subfloor gravel. (0-0.5')
1–5		CL	SANDY CLAY: Mottled gray and brown silty sandy clay, stiff, medium plasticity, moist, strong solvent odor. (0.5'-6.5')
			SAA - Varying silt and clay content throughout.
6–7		SP	SAND: Gray medium to coarse sand, wet, solvent odor. (6.5'-7.5')
7–8		ML	CLAYEY SILT: Gray silty clay / clayey silt, moist, solvent odor. (7.5'-8')
8–9		SW	SAND: Gray fine to coarse sand, well graded, wet, solvent odor. (8'-9.5')
9–10		CL	SILTY CLAY: Gray silty clay, stiff, moist, solvent odor. (9.5'-11')
10–11		SW	SAND: Gray fine to coarse sand with fine gravel, wet, solvent odor. (11'-12')
11–12			SILTY CLAY: Gray silty clay, medium plasticity, stiff, moist, solvent odor. One small sand lense within. (12'-17')
12–17		CL	
17–20		SP	FINE SAND: Gray fine sand, dense, saturated, solvent odor. (17'-20')

Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
	X-113	0 - 4	Macro-Core	3.5 Feet	590 ppm		
					728 ppm		XRF-332 Zn 600 (1')
					614 ppm		XRF-334 Low (2')
					816 ppm		
					856 ppm		XRF-335 Low (3.5')
		4 - 8	Macro-Core	4.0 Feet	778 ppm		
					831 ppm		
					248 ppm		
					41 ppm		Perched water @ 6.5 ft
					26 ppm		
		8 - 12	Macro-Core	4.0 Feet	675 ppm		Wet again @ 8 and 11 ft.
					62 ppm		
					85 ppm		
					23 ppm		
					14 ppm		
		12 - 16	Discrete Core	4.0 Feet	72 ppm		X-113 3-4 ft, 15:30, TCL / TPH
					19 ppm		
					36 ppm		
	G-113	16 - 20	Discrete Core	3.0 Feet	30 ppm		
					14 ppm		
					21 ppm		G-113 and duplicate G-163 15.5-18.5 ft, 17:30, TCL
					17 ppm		TOB-20 ft

Time	Temp	pH	Cond
16:30	10.5	6.90	1.52
16:35	10.1	6.21	1.48
16:40	9.9	6.01	1.47
16:45	9.7	5.99	1.48
16:50	9.8	6.05	1.48
16:55	9.7	6.05	1.48

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: 0971255020 **Fed. ID No.:** ILB 000 000 087 **County:** Lake

Site File Name: Chemical Packing (a.k.a. North Chicago) **Boring / Well No.:** GP-114

GPS Coordinates: Northing Unspecified **Easting** Unspecified **Date: Start** 06/4/08 **Finish** 06/4/08

Equipment Used: Geoprobe 5400/Macro-Core Sampler/Discrete Sampler **Surface Elevation:** Unspecified

Location Description: Building C **Completion Depth:** 16 Feet

Logged By: James M. Salch

Depth (ft)	Lithology	USCS	Description
0–0.5		AS	CONCRETE: Concrete and subfloor gravel. (0-0.5')
0.5–2.6		CL	SILTY CLAY: Dark brown to black silty clay, low plasticity, soft, moist. (0.5'-2.6')
2.6–8		CL	SILTY CLAY: Gray green silty clay, medium stiff, moist, solvent odor. (2.6'-8') SAA - Hard
8–9.7		SP	SAND: Gray fine to medium sand, wet to saturated, solvent odor. (8'-9.7')
9.7–12		CL	SILTY CLAY: Gray silty clay, medium to high plasticity, hard, moist, solvent odor. (9.7'-12')
12–13		SP	SAND: Gray fine to medium sand, dense, wet. (12'-13')
13–16		CL	SILTY CLAY: Gray silty clay, trace of sand, hard, moist. (13'-16')

Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
		0 - 4	Macro-Core	2.9 Feet	126 ppm		XRF-336 Zn 1008 (0.8')
					240 ppm		XRF-337 Zn 453 (2')
					410 ppm		XRF-338 Zn 594 (3.5')
	X-114A & X-164				646 ppm		
		4 - 8	Macro-Core	4.0 Feet	27 ppm		
					22 ppm		XRF-339 Zn 540 (5')
					16 ppm		
					17 ppm		
	X-114B				7.3 ppm		
					1.9 ppm		Water @ ~8 ft.
		8 - 12	Discrete Core	3.0 Feet	1.3 ppm		
					2.2 ppm		
					2.9 ppm		X-114A & Duplicate X-164 3-5 ft, 10:45, TCL
					2.1 ppm		
		12 - 16	Discrete Core	3.0 Feet	0.39 ppm		X-114B 7-8 ft, 10:45, VOC/SVOC
					0.49 ppm		
					0.62 ppm		
							TOB-16 ft
							Water filled borehole after 4-8 ft core.

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: 0971255020 **Fed. ID No.:** ILB 000 000 087 **County:** Lake

Site File Name: Chemical Packing (a.k.a. North Chicago) **Boring / Well No.:** GP-115

GPS Coordinates: Northing Unspecified **Easting** Unspecified **Date: Start** 06/4/08 **Finish** 06/4/08

Equipment Used: Geoprobe 5400/Macro-Core Sampler/Discrete Sampler **Surface Elevation:** Unspecified

Location Description: Southwest corner of Building C. **Completion Depth:** 12 Feet

Logged By: James M. Salch

Depth (ft)	Lithology	USCS	Description
0		AS	CONCRETE: Concrete and subfloor gravel. (0-0.5')
1			SILTY CLAY: Dark brown silty clay with sand, low plasticity, soft, moist. (0.5'-3.5')
2		CL	At 2 ft color transitions with depth to gray then brown.
3			
4		GP	SAND AND GRAVEL: Above grades to brown sand and gravel, trace of clay, moist - wet, solvent odor. (3.5'-4')
5			SANDY CLAY: Above grades to gray sandy clay / clayey sand, soft, moist -wet, solvent odor. (4'-8')
6		CL	Becomes stiff @ 6 ft and color transitions to brown.
7			
8			SILTY CLAY: Brown silty clay, stiff, moist. (8'-12') Color transitions to gray at 10 ft.
9			
10		CL	Piece of shale in shoe at 12 ft.
11			
12			
13			
14			
15			
16			

Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
	X-115	0 - 4	Macro-Core	3.5 Feet	2.3 ppm		XRF-343 As 210 (0.7')
					15 ppm		
					ppm		
					31.6 ppm		XRF-344 Zn 534 (2')
					131 ppm		
					589 ppm		
	X-115						XRF-345 Low (3.5')
					589 ppm		
		4 - 8	Macro-Core	4.0 Feet	461 ppm		
					49 ppm		X-115 12:00, 0.5-1 ft Total Metals, 3-4 ft VOC / SVOC
					19 ppm		
					7.4 ppm		
					3.3 ppm		
		8 - 12	Discrete Core	3.0 Feet	0.315 ppm		
					0.953 ppm		
					0.159 ppm		
					0.155 ppm		
							TOB-12 ft
							Too much water and sluff in borehole to discrete core 12-16 ft.

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: 0971255020 **Fed. ID No.:** ILB 000 000 087 **County:** Lake

Site File Name: Chemical Packing (a.k.a. North Chicago) **Boring / Well No.:** GP-116

GPS Coordinates: Northing Unspecified **Easting** Unspecified **Date: Start** 06/4/08 **Finish** 06/4/08

Equipment Used: Geoprobe 5400/Macro-Core Sampler/Discrete Sampler **Surface Elevation:** Unspecified

Location Description: Building D next to large drain. **Completion Depth:** 12 Feet

Logged By: James M. Salch

Depth (ft)	Lithology	USCS	Description
0		AS	CONCRETE: Asphalt, concrete and gravel. (0-0.5')
1		CL	SILTY CLAY: Gray brown silty clay, moist to wet, strong solvent odor. (0.5'-1.5')
2			SILT: Brown gray silt / very fine sand, low plasticity, moist, solvent odor.
3			
4			SAA - Gray, wet at top of core.
5			
6		ML	
7			2-inch sand lense at 7 ft.
8			Gray clayey silt.
9			
10			TILL: Gray clay till, hard, solvent odor. (10'-12')
11		CL	
12			
13			
14			
15			
16			

Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0			0 - 4	Macro-Core	3.0 Feet	86 ppm		XRF-349 Zn 746 (0.5')
1						446 ppm		
						ppm		
2						426 ppm		XRF-350 Zn 647 (2')
3						489 ppm		XRF-352 Zn 576 (3.')
4						359 ppm		
			4 - 8	Macro-Core	4.0 Feet	192 ppm		XRF-354 Zn 573 (4.5')
5						383 ppm		
6						136 ppm		
7		X-116A				319 ppm		X-116A 7-8 ft, 16:15, VOC / SVOC / TPH
						902 ppm		
8						867 ppm		
			8 - 12	Discrete Core	4.0 Feet	732 ppm		
9						725 ppm		
10						713 ppm		X-116B 10.5-11.5 ft, 16:15, VOC / SVOC
11		X-116B				672 ppm		
12						570 ppm		TOB-12 ft
13								Unable to obtain 12-16 ft core using discrete core.
14								
15								
16								

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: 0971255020 **Fed. ID No.:** ILB 000 000 087 **County:** Lake

File Name: Chemical Packing (a.k.a. North Chicago) **Boring / Well No.:** GP-118

Coordinates: Northing Unspecified **Easting** Unspecified **Date: Start** 06/4/08 **Finish** 06/4/08

Equipment Used: Geoprobe 5400/Macro-Core Sampler/Discrete Sampler **Surface Elevation:** Unspecified

Location Description: Building D next to drum cleaning room floor drain on south side of wall. **Completion Depth:** 20 Feet

Logged By: James M. Salch

Depth (ft)	Lithology	USCS	Description
0		AS	CONCRETE: Asphalt, concrete and gravel. (0-0.5')
1			SANDY CLAY: Brown silty sandy clay, medium stiff, moist. (0.5'-5.8')
2			
3		CL	Very sandy @ 2.5-3 ft wet, back to silty clay @ 3 ft.
4			
5			2-inch sand seam @ 5.5 ft
6			TILL: Brown clay till, moist, hard. (5.8'-11')
7			
8		CL	
9			
10			Turning gray at bottom of core.
11		SW	SAND: Gray fine-coarse sand, moist - wet, well graded. (11'-11.7')
12		CL	TILL: Gray clay till, moist, hard, medium plasticity. (11.7'-12')
13			
14			SAND: Gray fine to coarse sand, trace of gravel, wet. (12'-19')
15			
16		SW	
17			
18			
19		SP	FINE SAND: Gray fine sand, dense, saturated. (19'-20')
20			
21			
22			
23			
24			
25			
26			
27			

Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
		0 - 4	Macro-Core	3.5 Feet	0		XRF-349 PB 74 (0.7')
					0		
					0		XRF-347 Pb 52 (2')
					0		XRF-348 Pb 31 (3.')
	X-118				0		X-118 3-4.5 ft, 13:45, TCL, MS/MSD
		4 - 8	Macro-Core	4.0 Feet	0		
					0		
					0		
		8 - 12	Discrete Core	4.0 Feet	0		
					0		
					0		
		12 - 16	Discrete Core	3.0 Feet	0		Wet @ 12 ft.
					0		Tried to get water sample at 12-16 ft, but interval went dry before sample could be collected.
					0		
		16 - 20	Discrete Core	3.0 Feet	0		
	G-118						G-118 17-21 ft, 15:55, TCL, MS/MSD
							TOB - 20 ft.
							Start pumping at 15:20.

Time	Temp	pH	Cond
15:25	11.9	7.80	0.559
15:30	11.4	7.54	0.564
15:35	10.8	7.40	0.560
15:40	10.7	7.35	0.557
15:45	10.8	7.32	0.559
15:50	10.5	7.31	0.556
15:55	10.5	7.31	0.557

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: 0971255020 **Fed. ID No.:** ILB 000 000 087 **County:** Lake

Site File Name: Chemical Packing (a.k.a. North Chicago) **Boring / Well No.:** GP-119

GPS Coordinates: Northing Unspecified **Easting** Unspecified **Date: Start** 06/5/08 **Finish** 06/5/08

Equipment Used: Geoprobe 5400/Macro-Core Sampler/Discrete Sampler **Surface Elevation:** Unspecified

Location Description: North of drum washing rooms north wall. **Completion Depth:** 16 Feet

Logged By: Tony Wasilewski

Depth (ft)	Lithology	USCS	Description
0–1		CL	SANDY CLAY: Brown sandy clay with sand and gravel. (0-1')
1–3		CL	SILTY CLAY: Dark brown silty clay with fine sand, soft. (1'-3')
3–8		CL	SANDY CLAY: Brown mottled clay with some sand and gravel. Mottled gray and brown, stiff. Brown sandy clay with gravel.
8–9.5		SP	FINE SAND: Gray very fine sand. (8'-9.5') 2-inch seam of sand and gravel.
9.5–12		CL	SANDY CLAY: Gray clay with sand, stiff. (9.5'-12')
12–16		GP	SAND AND GRAVEL: Gray coarse sand and gravel. (12'-16')

Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
	X-119	0 - 4	Macro-Core	3.5 Feet	0		XRF-370 Zn 902 (0.5')
					0		
					0		XRF-371 Zn 1089 (2')
					0		XRF-372 Zn 460 (3.')
		4 - 8	Macro-Core	4.0 Feet	0		X-119 1-2 ft, 14:30, TCL
					0		X-119R 1-2 ft, 10:40 (6-25), Total Metals
					0		
					0		
		8 - 12	Macro-Core	3.3 Feet	0		
					0		
					0		
		12 - 16	Macro-Core	1.8 Feet	0		
					0		
					0		
					0		TOB - 16 ft.

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: 0971255020 **Fed. ID No.:** ILB 000 000 087 **County:** Lake

Site File Name: Chemical Packing (a.k.a. North Chicago) **Boring / Well No.:** GP-120

GPS Coordinates: Northing Unspecified **Easting** Unspecified **Date: Start** 06/5/08 **Finish** 06/5/08

Equipment Used: Geoprobe 5400/Macro-Core Sampler/Discrete Sampler **Surface Elevation:** Unspecified

Location Description: Location outside of bldg west of GP-118, near man hole cover. **Completion Depth:** 12 Feet

Logged By: Tony Wasilewski

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0–4		CL	SANDY CLAY: Brown coarse sand at surface (2") followed by a mottled brown and tan sandy clay with gravel to 1 ft. 1-3 ft SAA, less gravel.	0–4			0 - 4	Macro-Core	2.8 Feet	0 0 0 0 0		XRF-367 Low (1') XRF-368 As 31 (2') XRF-369 Zn 532 (3.8')
4–6		GC	SAND AND GRAVEL: 2-inch gray sand seam at 4 ft followed by gray sand and gravel with clay. Trace of clay from 5-6 ft.	4–6		X-120	4 - 8	Macro-Core	4.0 Feet	390 89	ppb ppb	X-120 4.5-5.5 ft, 13:00, TCL
6–8		CL	SILTY CLAY: Gray silty clay, with 2-inch sand seam at 7 ft.	6–8						650 0	ppb	
8–9.5		GP	SAND AND GRAVEL: Gray coarse sand and gravel. (8'-9.5')	8–9.5			8 - 12	Discrete Core	2.9 Feet	0		
9.5–12		CL	TILL: Gray clay till. (9.5'-12')	9.5–12						0 0 0		TOB - 12 ft.

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: 0971255020 **Fed. ID No.:** ILB 000 000 087 **County:** Lake

Site File Name: Chemical Packing (a.k.a. North Chicago) **Boring / Well No.:** GP-121

GPS Coordinates: Northing Unspecified **Easting** Unspecified **Date: Start** 06/3/08 **Finish** 06/3/08

Equipment Used: Geoprobe 5400/Macro-Core Sampler/Discrete Sampler **Surface Elevation:** Unspecified

Location Description: Located in southwest corner of property near large grated drain. **Completion Depth:** 12 Feet

Logged By: Ken Corkill

Depth (ft)	Lithology	USCS	Description
0–3		CL	SILTY CLAY: Top soil grading to brown silty clay. Crushed brick 1.0 - 1.4 ft. 2.4 - 2.9 ft , Medium tan sandy silty clay
3–6		SP	GRAVELLY SAND: Medium tan silty, clayey, gravelly sand. (2.9'-6') 4.2 - 4.5 ft, wet 4.5 - 6 ft, Black to olive, strong petroleum odor.
6–9.5		CL	GRAVELLY CLAY: Gray to olive silty, sandy, gravelly clay. (6'-9.5')
9.5–10.5		CL	GRAVELLY CLAY: Medium tan sandy, gravelly clay, soft. (9.5'-10.5')
10.5–12		CL	TILL: Medium tan till. (10.5'-12')

Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0			0 - 4	Macro-Core		0		XRF-306 Pb 651 (0.7')
1						0		
2						0		XRF-307 Low (1.7')
3						0		XRF-308 Low (2.9')
4						0		
5		X-121	4 - 8	Macro-Core		3200	ppb	XRF-309 Low (5')
6						3270	ppb	XRF-310 Low (6')
7						762	ppb	XRF-311 Low (7')
8						75	ppb	
9			8 - 12	Macro-Core		0		XRF-313 Low (9.5')
10						0		
11						0		XRF-314 Low (11.5')
12						0		TOB - 12 ft
13								X-121 4.5-5.5 ft, 10:20, TCL
14								
15								

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: 0971255020 **Fed. ID No.:** ILB 000 000 087 **County:** Lake

Site File Name: Chemical Packing (a.k.a. North Chicago) **Boring / Well No.:** GP-122

GPS Coordinates: Northing Unspecified **Easting** Unspecified **Date: Start** 06/6/08 **Finish** 06/6/08

Equipment Used: Geoprobe 5400/Macro-Core Sampler/Discrete Sampler **Surface Elevation:** Unspecified

Location Description: Location south of former fuel/waste oil tank area between rail tracks and bldg. **Completion Depth:** 8 Feet

Logged By: Jerry Willman

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0–3		FL	FILL: Limestone gravel with silty brown clay, some sand. (0-3')	0–3			0 - 4	MC / DC	2.4 Feet	0 0		XRF-387 Zn 707 (1.5')
3–3.5		CL	SANDY CLAY: Brown sandy clay. (3.0'-3.5')									
3.5–4		GC	SAND AND GRAVEL: Brown coarse sand and gravel, with clay. (3.5'-4')			X-122				0		XRF-391 Zn 663 (3.5')
4–4.5		CL	SANDY CLAY: Brown sandy clay, with fine gravel. (4'-4.5')				4 - 8	MC / DC		0 0		
4.5–5.5		GP	SAND AND GRAVEL: 3" of clay on top of coarse sand and gravel, wet. (4.5'-5.5')									
5.5–7		SP	SILTY SAND: Mottled brown and tan silty fine sand, trace of clay. (5.5'-7')							0 0 0		
7–7.5		CL	CLAY: Tan clay, stiff. (7'-7.5')									
7.5–8		CL	TILL: Gray clay till, stiff. (7.5'-8')									TOB - 8 X-122 3.5'-4.5', 10:20, TCL

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: 0971255020 **Fed. ID No.:** ILB 000 000 087 **County:** Lake

Site File Name: Chemical Packing (a.k.a. North Chicago) **Boring / Well No.:** GP-123

GPS Coordinates: Northing Unspecified **Easting** Unspecified **Date: Start** 06/6/08 **Finish** 06/6/08

Equipment Used: Geoprobe 5400/Macro-Core Sampler/Discrete Sampler **Surface Elevation:** Unspecified

Location Description: Location north of former fuel/waste oil tank area between rail tracks and bldg. **Completion Depth:** 16 Feet

Logged By: Jerry Willman

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0–1		FL	FILL: Asphalt, brown sand and gravel. (0-0.5')	0–1			0 - 4	MC / DC	4.0 Feet	0		XRF-377 Zn 637 (0.5')
1		GC	GRAVEL AND CLAY: Dark brown clay and gravel. (0.5'-1')	1						0		
2–4		CL	CLAY: Medium brown clay with sand and gravel, medium stiff. (1'-4.5')	2–4						0		XRF-378 Zn 992 (2')
										0		XRF-380 Zn 507 (3.5')
										0		
4–6		CL	CLAY: Medium brown and gray mottled clay, trace of sand and gravel. (4.5'-6')	4–6			4 - 8	MC / DC	3.0 Feet	0		
										5	ppb	XRF-382 Zn 577 (5.5')
6–7		SC	CLAYEY SAND: Brown clayey sand / sandy clay, moist. (6'-7.5')	6–7						0		XRF-383 Zn 445 (7')
7–8		SW	SAND AND GRAVEL: Brown coarse sand and gravel, trace of clay. (7.5'-8')	7–8						0		
8–12		SW	SAND: Poor Recovery - Brown coarse sand with small gravel. (8'-12')	8–12			8 - 12	MC / DC	1.0 Feet			
12–16		SP	SAND AND GRAVEL: Brown coarse sand and gravel, wet. 3-inches of brown and gray stiff clay at 15 ft. Remainder of core consisted of gray fine sand and gravel.	12–16			12 - 16	MC / DC	2.4 Feet			
16				16								TOB - 16 ft.
17–20				17–20								No samples collected.

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: 0971255020 **Fed. ID No.:** ILB 000 000 087 **County:** Lake

Site File Name: Chemical Packing (a.k.a. North Chicago) **Boring / Well No.:** GP-124

GPS Coordinates: Northing Unspecified **Easting** Unspecified **Date: Start** 06/5/08 **Finish** 06/5/08

Equipment Used: Geoprobe 5400/Macro-Core Sampler/Discrete Sampler **Surface Elevation:** Unspecified

Location Description: West of blgd A, just outside boiler room. In area with hard tary material at surface. **Completion Depth:** 4 Feet

Logged By:

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0			CLAYEY SAND: Gravel and hard resin substance from 0-2". Followed by a tan and brown mottled clayey sand, trace of gravel. (0-2')	0						14	ppm	XRF-374 Pb 230 (0.5')
1		SC		1						21.3	ppm	
						X-124	0 - 4	Macro-Core	3.7 Feet			X-124 1'-2', 17:00, TCL / FOC
2			FINE SAND: Dark brown fine sand. (2'-3')	2						0.13	ppm	
		SP										
			FINE SAND: Gray fine sand, trace gravel. (3'-4')	3						9.2	ppm	
		SP										
4				4						1.219	ppm	TOB - 4 ft
5				5								
6				6								
7				7								
8				8								
9				9								
10				10								
11				11								
12				12								

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: 0971255020 **Fed. ID No.:** ILB 000 000 087 **County:** Lake

Site File Name: Chemical Packing (a.k.a. North Chicago) **Boring / Well No.:** GP-130

GPS Coordinates: Northing Unspecified **Easting** Unspecified **Date: Start** 06/5/08 **Finish** 06/5/08

Equipment Used: Geoprobe 5400/Macro-Core Sampler/Discrete Sampler **Surface Elevation:** Unspecified

Location Description: West of blgd A, MW-104. **Completion Depth:** 4 Feet

Logged By:

Depth (ft)	Lithology	USCS	Description
0		AS	ASPHALT: Asphalt, sand and gravel. (0-4")
1		FL	FILL: Dark gray cindery material, possibly burnt material, with sand and clay. (4"-16")
2		SP	SAND: Brown and black sand. (16"-24")
		CL	SANDY CLAY: Mottled gray and brown sandy clay. (2'-3')
3		SP	FINE SAND: Gray fine sand, wet. (3'-4')
4			
5			
6			
7			
8			
9			
10			
11			
12			

Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0								XRF-373 Pb 723 / Hg 75 (0.5')
1		X-130R	0 - 4	Macro-Core	3.5 Feet	0		
2						0		X-130 0.5', 16:30, Total Metals (Sample broke during shipment)
3						7.22	ppm	X-130R 0.5'-2', 10:15, 06/25/08 Organics / Total Metals, No VOCs
4						26.5	ppm	TOB - 4 ft
5								FOC sample collected on 6/5/08 was also broken during shipment.
6								
7								
8								
9								
10								
11								
12								

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: 0971255020 **Fed. ID No.:** ILB 000 000 087 **County:** Lake

Site File Name: Chemical Packing (a.k.a. North Chicago) **Boring / Well No.:** MW-101

GPS Coordinates: Northing Unspecified **Easting** Unspecified **Date: Start** 05/29/08 **Finish** 05/29/08

Equipment Used: Geoprobe 5400/Macro-Core Sampler/Discrete Sampler **Surface Elevation:** Unspecified

Location Description: Asphalt parking area on northeast corner of site. **Completion Depth:** 14 Feet

Logged By: James M. Salch

Depth (ft)	Lithology	USCS	Description
0		AS	ASPHALT: Asphalt, with gray sand and gravel below.
1		FL	FILL: Dark gray to black sand and gravelly textured fill material, cinders, loose. (0.5'-1.0')
2		CL	SANDY CLAY: Brown silty, sandy clay, low plasticity, stiff, moist. (1'-4.5') Grades into brown fine sand.
4		SP	FINE SAND: Brown very fine sand, nealy silt, moist, poorly graded. (4.5'-9') Wet at 6 ft. Perched water
9		SP	FINE SAND: Gray very fine sand, dense, wet. (9'-10.8')
11		CL	SILTY CLAY: Gray silty clay / clayey silt, very hard, low plasticity, moist. High silt content. (10.8'-13.8')
14		SP	SAND: Brown fine to medium sand, very dense, wet. (13.8'-14') Gray in bottom of shoe.

Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
	MW-101	0 - 4	Macro-Core	4.0 Feet	2500	ppb	XRF-34 Pb-223 / Hg 103 / Cu 428 (0.5')
					546	ppb	XRF-35 Cr 635 / Pb 82 (1')
					844	ppb	XRF-36 Cr 667 (2')
					1029	ppb	
					1000	ppb	XRF-37 Cr 779 (3.5')
		4 - 8	Macro-Core	4.0 Feet	1750	ppb	
					252	ppb	XRF-38 Cr-398 (5')
					0		Wet @ 6 ft. Possible perched water.
					0		XRF-39 Cr 518 (7')
					1451	ppb	XRF-40 Cr 1140 (7.8')
		8 - 12	Macro-Core	4.0 Feet	25	ppb	
					0		
					0		XRF-41 Cr 817 (10')
					0		XRF-42 Cr 712 (11.5')
		12 - 14	DC	2.0 Feet	0		
							TOB-14 ft
							MW-101 0.5'-1', 11:45 (6/25/08), Organics / Metals, No VOCs.
							Water encountered at 3 different depths. (6', 9', 13.8')

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: 0971255020 **Fed. ID No.:** ILB 000 000 087 **County:** Lake

Site File Name: Chemical Packing (a.k.a. North Chicago) **Boring / Well No.:** MW-102

GPS Coordinates: Northing Unspecified **Easting** Unspecified **Date: Start** 05/27/08 **Finish** 05/27/08

Equipment Used: Geoprobe 5400/Macro-Core Sampler/Discrete Sampler **Surface Elevation:** Unspecified

Location Description: Located within the former UST storage area. **Completion Depth:** 16 Feet

Logged By: James M. Salch

Depth (ft)	Lithology	USCS	Description
0			GRAVEL: Limestone gravel, loose, fill. (0-4")
1			SILTY CLAY: Mottled brown and gray silty clay, trace of gravel, stiff, moist, fill. (4"-2.0')
2			SILTY CLAY: Mottled brown and gray silty clay with sand and gravel, disturbed, moist, solvent odor, fill. (2'-3.5')
3		FL	
4			SANDY CLAY: Mottled gray sandy clay / clayey sand, moist to wet, rock fragments, solvent odor, fill. (3.5'-7')
5			
6			2-inch gravel seam at 6.5 ft.
7			CLAYEY SAND: Gray to brown clayey fine to medium sand, loose, solvent odor, wet.
8			
9		SC	Grades to gray @ 9.5 ft.
10			
11		ML	SILT: Gray to gray brown silt, solvent odor. (10.2'-11.9')
12			FINE SAND: Gray brown very fine sand, wet, solvent odor. (11.9'-13.7')
13		SP	
14		ML	SILT: Gray silt, very hard, solvent odor. (13.7'-14.3')
15		SP	FINE SAND: Gray very fine sand, dense, moist to wet, solvent odor. (14.3'-16')
16			
17			
18			
19			
20			

Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
0			0 - 4	Macro-Core	4.0 Feet	0	0	XRF-26 Low (0.5')
1						0	0	
2						0	0	XRF-27 Low (2')
3						0	0	
4			4 - 8	Macro-Core	3.3 Feet	0.223	ppm	XRF-28 (3.8')
5						12.6	ppm	
6						176	ppm	
7						57	ppm	
8						314	ppm	
9			8 - 12	Macro-Core	3.3 Feet	1400	ppm	XRF-29 Pb-90 (7.8')
10						520	ppm	Water @ ~7 ft.
11						1624	ppm	
12						1735	ppm	XRF-30 Pb-52 (10')
13						233	ppm	Strong odor throughout boring.
14			12 - 16	Discrete Core	4.0 Feet	372	ppm	
15						134	ppm	
16						133	ppm	
17						132	ppm	
18						141	ppm	TOB-16 ft
19								
20								

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: 0971255020 **Fed. ID No.:** ILB 000 000 087 **County:** Lake

Site File Name: Chemical Packing (a.k.a. North Chicago) **Boring / Well No.:** MW-103

GPS Coordinates: Northing Unspecified **Easting** Unspecified **Date: Start** 06/2/08 **Finish** 06/2/08

Equipment Used: Geoprobe 5400/Macro-Core Sampler/Discrete Sampler **Surface Elevation:** Unspecified

Location Description: Located west of bldg C a few feet east of drive way entering west side of property. **Completion Depth:** 24 Feet

Logged By: James M. Salch

Depth (ft)	Lithology	USCS	Description
0–9		CL	SILTY CLAY: 2-inches of gravel underlain by a dark brown to black silty sandy clay, low plasticity, moist. Color grades to brown with depth. Mottled gray and brown silty clay at 4 ft. Gray at 7.5 ft.
9–10		SW	SAND: Mottled brown and gray fine to coarse sand, well graded, moist to wet. (8.7'-9.6')
10–11		GP	GRAVEL: Gray sandy gravel, moist - wet. (9.6'-10.3')
11–18		CL	TILL: Gray silty clay, trace of gravel, medium plastic, stiff, till. (10.3'-18') Varying percentage of silt and sand throughout.
18–22		GW	SAND AND GRAVEL: Gray fine to coarse sand and fine to coarse gravel, moist - wet. (18'-22')
22–24		CL & SP	CLAY AND SAND: Alternating lenses of gray silty clay and gray sand. (22'-24')

Sampling Interval	Sample Type	Sample Recovery	PID	FID	Remarks
0 - 4	Macro-Core	4.0 Feet	0	0	XRF-289 Low (0.5')
			64	ppb	
			62	ppb	XRF-290 Low (2')
			103	ppb	
					XRF-294 Low (3.5')
4 - 8	Macro-Core	4.0 Feet	252	ppb	XRF-296 Low (4.5')
			0	0	XRF-297 Zn 585 (6')
			0	0	XRF-298 Zn 838 (7.5')
			0	0	
8 - 12	Discrete Core	3.4 Feet	0	0	
			0	0	XRF-300 Zn 542 (9')
			0	0	XRF-301 Low (10')
			0	0	XRF-303 Zn 506 (11')
			0	0	Water @ ~9 ft. (Perched)
12 - 16	Discrete Core	4.0 Feet	0	0	
			0	0	
			0	0	
			0	0	
16 - 20	Discrete Core	3.2 Feet	0	0	
			0	0	Wet @ ~18 ft.
			0	0	
			0	0	TOB-24 ft
20 - 24	Discrete Core	2.5 Feet	0	0	
			0	0	No solvent odors.
			0	0	
			0	0	

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: 0971255020 **Fed. ID No.:** ILB 000 000 087 **County:** Lake

Site File Name: Chemical Packing (a.k.a. North Chicago) **Boring / Well No.:** MW-104

GPS Coordinates: Northing Unspecified **Easting** Unspecified **Date: Start** 06/2/08 **Finish** 06/2/08

Equipment Used: Geoprobe 5400/Macro-Core Sampler/Discrete Sampler **Surface Elevation:** Unspecified

Location Description: Located west of bldg A between property fence and building. **Completion Depth:** 20 Feet

Logged By: James M. Salch

Depth (ft)	Lithology	USCS	Description
0–0.5		AS	ARTIFICIAL SURFACE: Concrete, sand and gravel. (0-0.5')
0.5–10			SAND: Brown fine to coarse sand, well graded, moist. (0.5'-10')
5		SW	Wet at near 8 ft.
10–12		SP	SAND: Gray medium to coarse sand, wet. Lenses of gray sandy clay. (10'-12')
12–20		SP	FINE SAND: Gray very fine sand, dense, wet. Lenses of sandy clay, hard, moist. (12'-20')

Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID	Remarks
	MW-104	0 - 4	Macro-Core	2.0 Feet	0		XRF-279 Zn 530 (0.5')
					0		
					0		XRF-280 Zn 507 (2.5')
					0		
		4 - 8	Macro-Core	4.0 Feet	0		XRF-281 Zn 818 / Pb 71.7 (4.5')
					0		XRF-282 Zn 412 (6')
					0		XRF-283 Zn 440 (7.5')
					0		Wet @ 7.5 ft
		8 - 12	Macro-Core	~ 4 Feet	0		8-12 ft core stuck in core barrel.
					0		
					0		
					0		
		12 - 16	Discrete Core	2.9 Feet	0		XRF-284 Low (12.5')
					0		XRF-285 Zn 400 (14')
					0		XRF-286 Zn 577 (15.5')
		16 - 20	Discrete Core	3.2 Feet	0		XRF-287 Zn 500 (16.5')
					0		MW-104 Soil Sample 09:30 (6/25/08), 2'-3', VOC/SVOC/FOC
					0		
					0		TOB-20 ft

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: 0971255020 **Fed. ID No.:** ILB 000 000 087 **County:** Lake

Site File Name: Chemical Packing (a.k.a. North Chicago) **Boring / Well No.:** MW-101

GPS Coordinates: Northing 4686118.648 **Easting** 430920.553 **Date: Start** 06/06/08 **Finish** 05/06/08

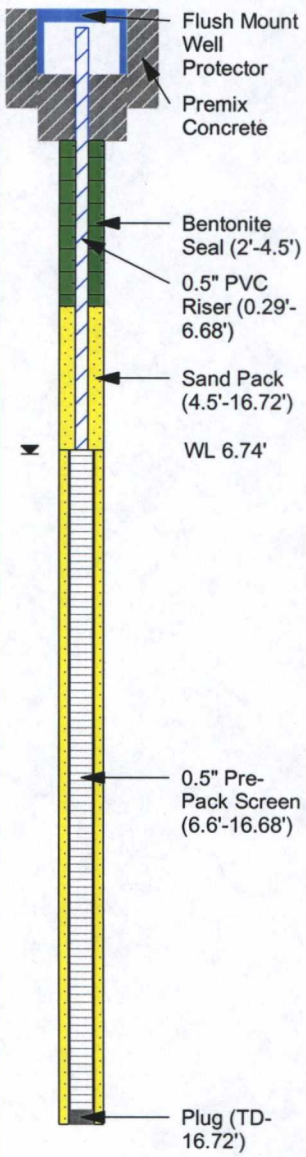
Equipment Used: Track Mounted Geoprobe 6600 / 2.25" Rods **Surface Elevation:** 109.5 (TB)

Location Description: Asphalt parking area on northeast corner of site. **Completion Depth:** 17 Feet

Logged By: James M. Salch

Depth (ft)	Lithology	USCS	Description
0		AS	ASPHALT: Asphalt, with gray sand and gravel below.
1		FL	FILL: Dark gray to black sand and gravelly textured fill material, cinders, loose. (0.5'-1.0')
2		CL	SANDY CLAY: Brown silty, sandy clay, low plasticity, stiff, moist. (1'-4.5') Grades into brown fine sand.
4		SP	FINE SAND: Brown very fine sand, nealy silt, moist, poorly graded. (4.5'-9') Wet at 6 ft. Perched water
9		SP	FINE SAND: Gray very fine sand, dense, wet. (9'-10.8')
11		CL	SILTY CLAY: Gray silty clay / clayey silt, very hard, low plasticity, moist. High silt content. (10.8'-13.8')
14		SP	SAND: Brown fine to medium sand, very dense, wet. (13.8'-14') Gray in bottom of shoe.

Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID
0		MW-101	0 - 4	Macro-Core	4.0 Feet	2500	ppb
						546	ppb
						844	ppb
						1029	ppb
						1000	ppb
			4 - 8	Macro-Core	4.0 Feet	1750	ppb
						252	ppb
						0	
						0	
			8 - 12	Macro-Core	4.0 Feet	1451	ppb
						25	ppb
						0	
						0	
						0	
			12 - 14	DC	2.0 Feet	0	



Illinois Environmental Protection Agency **Well Completion Report**

Site Number: LPC #0971255020 County: Lake

Site Name: Chemical Packing (a.k.a. North Chicago) Well #: MW-101

State Plane Coordinate: X ____ Y ____ (or) Latitude: 42° 19' 27.30" Longitude: 87° 50' 18.18" Borehole #: MW-101

Surveyed by: Illinois EPA IL Registration #: 196.000648

Drilling Contractor: Illinois EPA Driller: James M. Salch, LPG

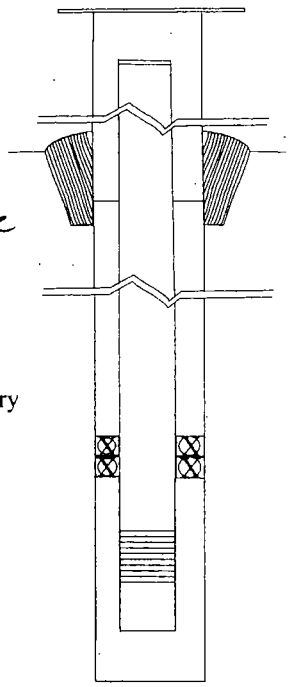
Consulting Firm: ____ Geologist: James M. Salch, LPG

Drilling Method: Direct Push Drilling Fluid (Type): NA

Logged By: James M. Salch, LPG Date Started: 6/6/08 Date Finished: 6/6/08

Report Form Completed By: James M. Salch, LPG Date: 12/1/09

ANNULAR SPACE DETAILS



Elevations (MSL)*	Depths (BGS)	(.01ft.)
____	0	Top of Protective Casing
____	0.29	Top of Riser Pipe
____	0	Ground Surface
____	0	Top of Annular Sealant
____	6.43'	Static Water Level (After Completion) TOC
____	2.0'	Top of Seal
____	4.50'	Top of Sand Pack
____	6.68'	Top of Screen
____	16.68'	Bottom of Screen
____	16.72'	Bottom of Well
____	17.0'	Bottom of Borehole

* Referenced to a National Geodetic Datum

Type of Surface Seal: Flush Mount

Type of Annular Sealant: Premixed Concrete

Installation Method: Pour From Surface

Setting Time: ____

Type of Bentonite Seal - Granular, Pellet, Slurry (Choose One)

Installation Method: Surface Pour

Setting Time: ____

Type of Sand Pack: Commercial

Grain Size: 20/40 (Sieve Size)

Installation Method: Pre-Packed

Type of Backfill Material: Commercial Sand + Native (if applicable)

Installation Method: Surface Pour/Collapse

WELL CONSTRUCTION MATERIAL
(Choose one type of material for each area)

Protective Casing	SS304, SS316, PTFE, PVC, or Other
Riser Pipe Above W.T.	SS304, SS316, PTFE, PVC, or Other
Riser Pipe Below W.T.	SS304, SS316, PTFE, PVC, or Other
Screen	SS304, SS316, PTFE, PVC, or Other

CASING MEASURMENTS

Diameter of Borehole (inches)	2.5
ID of Riser Pipe (inches)	0.5
Protective Casing Length (feet)	
Riser Pipe Length (feet)	6.39
Bottom of Screen to End Cap (feet)	0.09'
Screen Length (1st slot to last slot) (feet)	9.82'
Total Length of Casing (feet)	
Screen Slot Size **	0.01"

**Hand-Slotted Well Screens are Unacceptable

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: 0971255020 **Fed. ID No.:** ILB 000 000 087 **County:** Lake

Site File Name: Chemical Packing (a.k.a. North Chicago) **Boring / Well No.:** MW-102

GPS Coordinates: Northing 4686064.574 **Easting** 430915.132 **Date: Start** 06/3/08 **Finish** 06/3/08

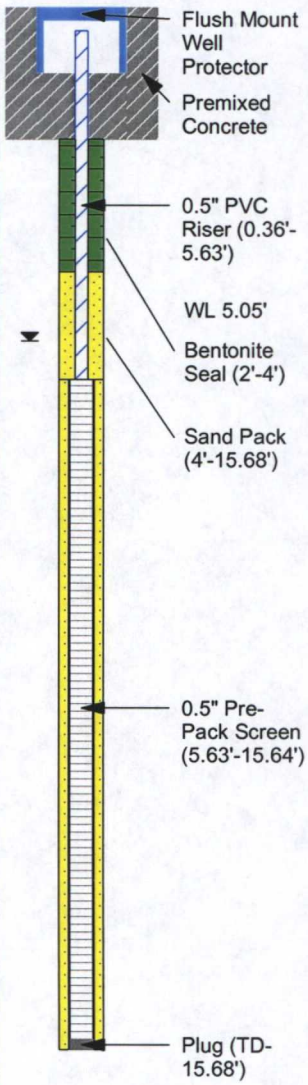
Equipment Used: Track Mounted Geoprobe 6600 / 2.25" Rods **Surface Elevation:** 103.33 (TB)

Location Description: Located within the former UST storage area. **Completion Depth:** 16 Feet

Logged By: James M. Salch, LPG

Depth (ft)	Lithology	USCS	Description
0			GRAVEL: Limestone gravel, loose, fill. (0-4")
1			SILTY CLAY: Mottled brown and gray silty clay, trace of gravel, stiff, moist, fill. (4"-2.0')
2			SILTY CLAY: Mottled brown and gray silty clay with sand and gravel, disturbed, moist, solvent odor, fill. (2'-3.5')
3		FL	
4			SANDY CLAY: Mottled gray sandy clay / clayey sand, moist to wet, rock fragments, solvent odor, fill. (3.5'-7')
5			
6			2-inch gravel seam at 6.5 ft.
7			CLAYEY SAND: Gray to brown clayey fine to medium sand, loose, solvent odor, wet.
8			
9		SC	Grades to gray @ 9.5 ft.
10			
11		ML	SILT: Gray to gray brown silt, solvent odor. (10.2'-11.9')
12			FINE SAND: Gray brown very fine sand, wet, solvent odor. (11.9'-13.7')
13		SP	
14		ML	SILT: Gray silt, very hard, solvent odor. (13.7'-14.3')
15		SP	FINE SAND: Gray very fine sand, dense, moist to wet, solvent odor. (14.3'-16')
16			
17			
18			
19			
20			

Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID
0			0 - 4	Macro-Core	4.0 Feet	0	0
1						0	0
2						0	0
3						0	0
4			4 - 8	Macro-Core	3.3 Feet	0.223	ppm
5						12.6	ppm
6						176	ppm
7						57	ppm
8						314	ppm
9			8 - 12	Macro-Core	3.3 Feet	1400	ppm
10						520	ppm
11						1624	ppm
12						1735	ppm
13			12 - 16	Discrete Core	4.0 Feet	233	ppm
14						372	ppm
15						134	ppm
16						133	ppm
						132	ppm
						141	ppm



Illinois Environmental Protection Agency **Well Completion Report**

Site Number: 0971255020 County: Lake

Site Name: Chemical Packing (a.k.a. North Chicago) Well #: MW-102

State Plane Coordinate: X ____ Y ____ (or) Latitude: 42° 19' 25.54" Longitude: -87° 50' 18.39" Borehole #: MW-102

Surveyed by: Illinois EPA IL Registration #: 196.000648

Drilling Contractor: Illinois EPA Driller: James M. Salch, LPG

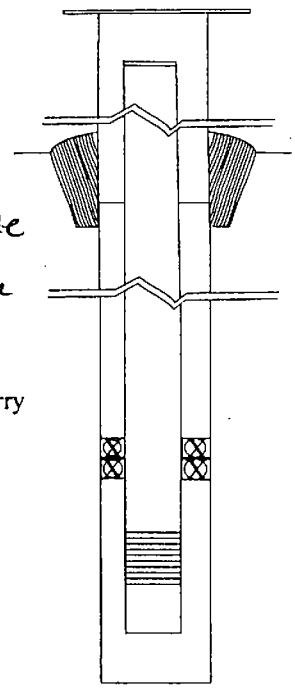
Consulting Firm: ____ Geologist: James M. Salch, LPG

Drilling Method: Direct Push Drilling Fluid (Type): NA

Logged By: James M. Salch, LPG Date Started: 6/3/08 Date Finished: 6/3/08

Report Form Completed By: James M. Salch, LPG Date: 12/1/09

ANNULAR SPACE DETAILS



Elevations (MSL)*	Depths (BGS)	(.01ft.)
____	0	Top of Protective Casing
____	0.36'	Top of Riser Pipe
____	0	Ground Surface
____	0	Top of Annular Sealant
____	4.69'	Static Water Level (After Completion) TOC
____	2'	Top of Seal
____	4'	Top of Sand Pack
____	5.63'	Top of Screen
____	15.64'	Bottom of Screen
____	15.68'	Bottom of Well
____	16.0'	Bottom of Borehole

* Referenced to a National Geodetic Datum

Type of Surface Seal: Flush Mount

Type of Annular Sealant: Premixed Concrete

Installation Method: Pour From Surface

Setting Time: ____

Type of Bentonite Seal - Granular, Pellet, Slurry (Choose One)

Installation Method: Pour From Surface

Setting Time: ____

Type of Sand Pack: Commercial

Grain Size: 20/40 (Sieve Size)

Installation Method: Pre-Packed

Type of Backfill Material: Commercial Sand/Native (if applicable)

Installation Method: Pour from Surface/Collapse

WELL CONSTRUCTION MATERIAL

(Choose one type of material for each area)

Protective Casing	SS304, SS316, PTFE, PVC, or Other
Riser Pipe Above W.T.	SS304, SS316, PTFE, PVC, or Other
Riser Pipe Below W.T.	SS304, SS316, PTFE, PVC, or Other
Screen	SS304, SS316, PTFE, PVC, or Other

CASING MEASURMENTS

Diameter of Borehole (inches)	2.5
ID of Riser Pipe (inches)	0.5
Protective Casing Length (feet)	
Riser Pipe Length (feet)	5.27'
Bottom of Screen to End Cap (feet)	0.09'
Screen Length (1st slot to last slot) (feet)	9.82'
Total Length of Casing (feet)	
Screen Slot Size **	0.010"

**Hand-Slotted Well Screens are Unacceptable

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: 0971255020 **Fed. ID No.:** ILB 000 000 087 **County:** Lake

File Name: Chemical Packing (a.k.a. North Chicago) **Boring / Well No.:** MW-103

S Coordinates: Northing 4686059.872 **Easting** 430804.823 **Date: Start** 06/5/08 **Finish** 06/5/08

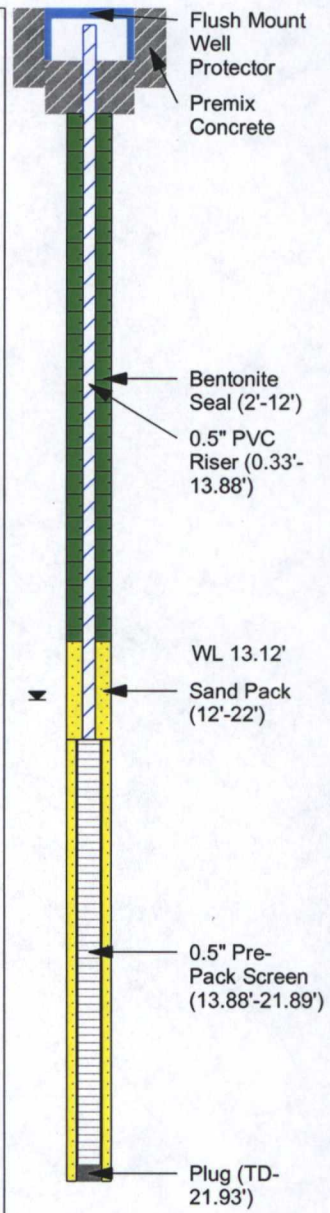
Equipment Used: Track Mounted Geoprobe 6600 / 2.25" Rods **Surface Elevation:** 98.37' (TB)

Location Description: Located west of bldg C a few feet east of drive way entering west side of property. **Completion Depth:** 22 Feet

Logged By: James M. Salch

Depth (ft)	Lithology	USCS	Description
0–9		CL	SILTY CLAY: 2-inches of gravel underlain by a dark brown to black silty sandy clay, low plasticity, moist. Color grades to brown with depth. Mottled gray and brown silty clay at 4 ft. Gray at 7.5 ft.
9–10		SW	SAND: Mottled brown and gray fine to coarse sand, well graded, moist to wet. (8.7'-9.6')
10–11		GP	GRAVEL: Gray sandy gravel, moist - wet. (9.6'-10.3')
11–18		CL	TILL: Gray silty clay, trace of gravel, medium plastic, stiff, till. (10.3'-18') Varying percentage of silt and sand throughout.
18–22		GW	SAND AND GRAVEL: Gray fine to coarse sand and fine to coarse gravel, moist - wet. (18'-22')
22–24		CL & SP	CLAY AND SAND: Alternating lenses of gray silty clay and gray sand. (22'-24')

Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID
0 - 4	Macro-Core	4.0 Feet	0	0
			64	ppb
			62	ppb
			103	ppb
4 - 8	Macro-Core	4.0 Feet	252	ppb
			0	0
			0	0
			0	0
8 - 12	Discrete Core	3.4 Feet	0	0
			0	0
			0	0
12 - 16	Discrete Core	4.0 Feet	0	0
			0	0
			0	0
16 - 20	Discrete Core	3.2 Feet	0	0
			0	0
			0	0
20 - 24	Discrete Core	2.5 Feet	0	0
			0	0
			0	0



Illinois Environmental Protection Agency **Well Completion Report**

Site Number: LPC # 0971255020 County: Lake

Site Name: Chemical Packing (a.k.a. North Chicago) Well #: MW-103

State Plane Coordinate: X ____ Y ____ (or) Latitude: 42° 19' 25.36" Longitude: -87° 50' 23.21" Borehole #: MW-103

Surveyed by: Illinois EPA IL Registration #: 196.000648

Drilling Contractor: Illinois EPA Driller: James M. Salch, LPG

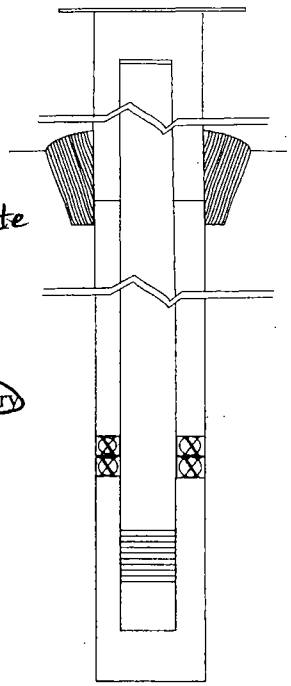
Consulting Firm: ____ Geologist: James M. Salch, LPG

Drilling Method: Direct Push Drilling Fluid (Type): NA

Logged By: James M. Salch, LPG Date Started: 6/5/08 Date Finished: 6/5/08

Report Form Completed By: James M. Salch, LPG Date: 12/1/09

ANNULAR SPACE DETAILS



Type of Surface Seal: Flush Mount

Type of Annular Sealant: Premixed Concrete

Installation Method: Surface Pour

Setting Time: ____

Type of Bentonite Seal - - Granular, Pellet, Slurry (Choose One)

Installation Method: Tremie Grout

Setting Time: ____

Type of Sand Pack: Commercial

Grain Size: 20/40 (Sieve Size)

Installation Method: Surface Pour

Type of Backfill Material: Commercial Sand + Native (if applicable)

Installation Method: Surface Pour / Collapse

	Elevations (MSL)*	Depths (BGS)	(.01ft.)
	____	0	Top of Protective Casing
	____	0.33'	Top of Riser Pipe
	____	0	Ground Surface
	____	0	Top of Annular Sealant
	____	12.79'	Static Water Level (After Completion) TOC
	____	2.0'	Top of Seal
	____	12.0'	Top of Sand Pack
	____	13.88'	Top of Screen
	____	21.89'	Bottom of Screen
	____	21.93'	Bottom of Well
	____	22'	Bottom of Borehole

* Referenced to a National Geodetic Datum

WELL CONSTRUCTION MATERIAL
(Choose one type of material for each area)

Protective Casing	SS304, SS316, PTFE, PVC, or Other
Riser Pipe Above W.T.	SS304, SS316, PTFE, PVC, or Other
Riser Pipe Below W.T.	SS304, SS316, PTFE, PVC, or Other
Screen	SS304, SS316, PTFE, PVC, or Other

CASING MEASURMENTS

Diameter of Borehole (inches)	2.5
ID of Riser Pipe (inches)	0.5
Protective Casing Length (feet)	
Riser Pipe Length (feet)	13.55
Bottom of Screen to End Cap (feet)	0.09
Screen Length (1st slot to last slot) (feet)	7.82'
Total Length of Casing (feet)	
Screen Slot Size **	0.01"

**Hand-Slotted Well Screens are Unacceptable

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: 0971255020 **Fed. ID No.:** ILB 000 000 087 **County:** Lake

File Name: Chemical Packing (a.k.a. North Chicago) **Boring / Well No.:** MW-104

S Coordinates: Northing 4686124.108 **Easting** 430830.144 **Date: Start** 06/3/08 **Finish** 06/3/08

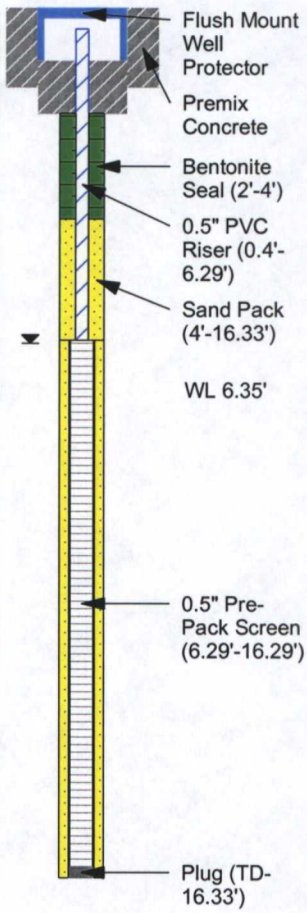
Equipment Used: Track Mounted Geoprobe 6600 / 2.25" Rods **Surface Elevation:** 98.61' (TB)

Location Description: Located west of bldg A between property fence and building. **Completion Depth:** 17 Feet

Logged By: James M. Salch, LPG

Depth (ft)	Lithology	USCS	Description
0		AS	ARTIFICIAL SURFACE: Concrete, sand and gravel. (0-0.5')
0.5–10		SW	SAND: Brown fine to coarse sand, well graded, moist. (0.5'-10') Wet at near 8 ft.
10–12		SP	SAND: Gray medium to coarse sand, wet. Lenses of gray sandy clay. (10'-12')
12–20		SP	FINE SAND: Gray very fine sand, dense, wet. Lenses of sandy clay, hard, moist. (12'-20')

Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings PID	TVA Readings FID
0–4	MW-104	0 - 4	Macro-Core	2.0 Feet	0, 0, 0, 0	
4–8		4 - 8	Macro-Core	4.0 Feet	0, 0, 0, 0	
8–12		8 - 12	Macro-Core	~ 4 Feet	0, 0, 0, 0, 0	
12–16		12 - 16	Discrete Core	2.9 Feet	0, 0, 0, 0	
16–20		16 - 20	Discrete Core	3.2 Feet	0, 0, 0, 0	



Illinois Environmental Protection Agency **Well Completion Report**

Site Number: LPC#0971255020 County: Lake

Site Name: Chemical Packing (a.k.a. North Chicago) Well #: MW-104

State Plane Coordinate: X ____ Y ____ (or) Latitude: 42° 19' 27.45" Longitude: -87° 50' 22.13" Borehole #: MW-104

Surveyed by: James M. Salch (Illinois EPA) IL Registration #: 196.000648

Drilling Contractor: Illinois EPA Driller: James M. Salch, LPG

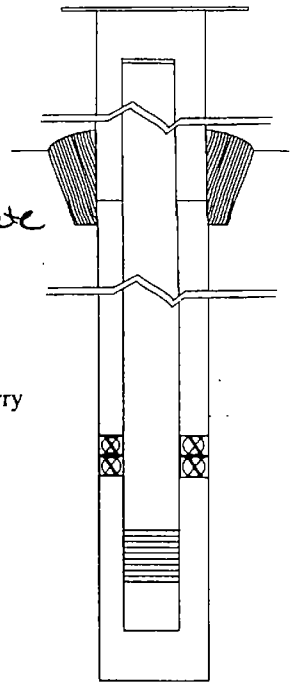
Consulting Firm: ____ Geologist: James M. Salch, LPG

Drilling Method: Direct Push Drilling Fluid (Type): NA

Logged By: James M. Salch, LPG Date Started: 6/3/08 Date Finished: 6/3/08

Report Form Completed By: James M. Salch, LPG Date: 12/1/09

ANNULAR SPACE DETAILS



Elevations (MSL)*	Depths (BGS)	(.01ft.)
____	0	Top of Protective Casing
____	0.40	Top of Riser Pipe
____	0	Ground Surface
____	0	Top of Annular Sealant
____	5.95'	Static Water Level (After Completion) TOC
____	2.0'	Top of Seal
____	4.0'	Top of Sand Pack
____	6.29'	Top of Screen
____	16.29'	Bottom of Screen
____	16.33'	Bottom of Well
____	17'	Bottom of Borehole

* Referenced to a National Geodetic Datum

Type of Surface Seal: Flush Mount

Type of Annular Sealant: Premixed Concrete

Installation Method: Surface Pour

Setting Time: ____

Type of Bentonite Seal - (Granular) Pellet, Slurry (Choose One)

Installation Method: Surface Pour

Setting Time: ____

Type of Sand Pack: Commercial

Grain Size: 20/40 (Sieve Size)

Installation Method: Surface Pour

Type of Backfill Material: Com. Sand + Native (if applicable)

Installation Method: Surface Pour / Collapse

WELL CONSTRUCTION MATERIAL

(Choose one type of material for each area)

rotective Casing	SS304, SS316, PTFE, PVC, or Other
iser Pipe Above W.T.	SS304, SS316, PTFE, PVC, or Other
Riser Pipe Below W.T.	SS304, SS316, PTFE, PVC, or Other
Screen	SS304, SS316, PTFE, PVC, or Other

CASING MEASURMENTS

Diameter of Borehole (inches)	2.5
ID of Riser Pipe (inches)	0.5
Protective Casing Length (feet)	
Riser Pipe Length (feet)	5.89
Bottom of Screen to End Cap (feet)	0.10
Screen Length (1st slot to last slot) (feet)	9.72
Total Length of Casing (feet)	
Screen Slot Size **	0.01

**Hand-Slotted Well Screens are Unacceptable

APPENDIX – C

Chain of Custody Forms

Illinois Environmental Protection Agency Chain of Custody

Preservative Codes	Container Description: Soil	Container Description: Aqueous
1. None		
2. VOA - HCl	VOC - 2 oz. glass (2)	VOC - 40 mL glass (3)
3. Metals - HNO3	SVOC - 8 oz. glass (1)	SVOC, Pest/PCB - 40 oz amber glass (1)*
4. Cyanide - NaOH	Pest/PCB - 8 oz. glass (1)	
5. Other:	Inorganics - 16 oz. glass (1)	Inorganics - 1 qt. plastic (1)
6. Other		* duplicate 1 out of 10

Fund:	LPC#:	Locality:	Cooler Initially Sealed By:	Date Initially Sealed
PR50	0971255020		[signature]	5-24-08
Section:	Site Name:	Project Manager:	Phone Number:	Initial Cooler Seal #
	North Chicago (a.k.a Chemical Packing)	Jim Salch	217-785-8726	039

Lab Sample No.	Parameter Group: Total Metals	Cyanide	Hg	TCLP	PH			Collection Information: Field Sample Number	Matrix	No. of Bottles	Date Collected	Time Collected (24 hr clock)	Sampler's Initials	Special Notations	Legal Hold Y or N
	X	X	X		X			X101	Soil	1	5-29-08	1100	JA		
	X	X	X		X			X102A		1	5-29-08	1150	JA		
	X	X	X		X			X102B		1	5-29-08	1150	JA		
	X	X	X		X			X103		1	5-29-08	1400	JA		
	X	X	X	X	X			X104A		2	5-29-08	1520	JA		
	X	X	X		X			X104B		1	5-29-08	1520	JA		
	X	X	X		X			X106		1	5-28-08	1700	JA		
	X	X	X		X			X107		1	5-28-08	1045	JA		
	X	X	X		X			X108		1	5-28-08	1230	JA		
	X	X	X		X			X126		1	5-29-08	1650	JA		
	X	X	X		X			X176		1	5-29-08	1650	JA		

Opener: I certify that I received the sample shipping container with the shipping container sealed and intact.

Cooler Opened by:	Seal No:	Date:	Time:	Intact
Tony Wasilewski	039	5-28-08	1600	Y-N
				Y-N

Sealer : I certify that the samples listed above were collected in my presence and sealed by me.

Cooler Sealed By:	Seal No.:	Date:	Time:

I certify that I received the cooler containing the above samples with the seal(s) intact.

Received for Lab by:	Seal No:	Date:	Time:	Intact:
				Y-N

Lab Comments:

Supervisor Releasing Results: Date:

Sample Courier: UPS

Turnaround Time Requested: 30 Days

Samplers: Jim Salch

Illinois Environmental Protection Agency Chain of Custody

Preservative Codes	Container Description: Soil	Container Description: Aqueous
1. None		
2. VOA - HCl	VOC - 2 oz. glass (2)	VOC - 40 mL glass (3)
3. Metals - HNO3	SVOC - 8 oz. glass (1)	SVOC, Pest/PCB - 40 oz amber glass (1)*
4. Cyanide - NaOH	Pest/PCB - 8 oz. glass (1)	
5. Other:	Inorganics - 16 oz. glass (1)	Inorganics - 1 qt. plastic (1)
6. Other		* duplicate 1 out of 10

Fund:	LPC#:	Locality:	Cooler Initially Sealed By:	Date Initially Sealed
PR50	0971255020		[illegible]	5-24-08
Section:	**Site Name:**	**Project Manager:**	**Phone Number:**	**Initial Cooler Seal #**
	North Chicago	Jim Salch	217-785-8726	021

(a.k.a Chemical Packing)

Lab Sample No.	Parameter Group: SVOC	VOC	% H2O	RCX	PCB	pH		Collection Information: Field Sample Number	Matrix	No. of Bottles	Date Collected	Time Collected (24 hr clock)	Sampler's Initials	Special Notations	Legal Hold Y or N
	X	X	X	X	X	X		X107	Soil	3	5/28/07	1015	KWC		N
	X	X	X	X	X	X		X108	↓	3	↓	1230	KWC		
	X	X	X	X	X	X		X109 A	↓	3	↓	1320	KWC		
	X	X	X			X		X109 B	↓	2	↓	1500	KWC		
	X	X	X	X	X	X		X106	↓	3	↓	1700	KWC		

Opener: I certify that I received the sample shipping container with the shipping container sealed and intact.

Cooler Opened by:	Seal No:	Date:	Time:	Intact
Tony Wasilewski	21	5-27-08	1535	Y-N
				Y-N

Sealer : I certify that the samples listed above were collected in my presence and sealed by me.

Cooler Sealed By:	Seal No.:	Date:	Time:
Tony Wasilewski	004	5-28-08	1710

I certify that I received the cooler containing the above samples with the seal(s) intact.

Received for Lab by:	Seal No:	Date:	Time:	Intact:
				Y-N

Lab Comments:

Supervisor Releasing Results: Date:

Sample Courier: UPS

Turnaround Time Requested: 21 day

Samplers: Jim Salch / Ken Corkill

Illinois Environmental Protection Agency Chain of Custody

Preservative Codes	Container Description	
	Soil	Aqueous
1. None		
2. VOA - HCl	VOC - 2 oz. glass (2)	VOC - 40 mL glass (3)
3. Metals - HNO3	SVOC - 8 oz. glass (1)	SVOC, Pest/PCB - 40 oz amber glass (1)*
4. Cyanide - NaOH	Pest/PCB - 8 oz. glass (1)	
5. Other:	Inorganics - 16 oz. glass (1)	Inorganics - 1 qt. plastic (1)
6. Other		* duplicate 1 out of 10

Fund:	LPC#:	Locality:	Cooler Initially Sealed By:	Date Initially Sealed
PR50	0971255020		[illegible]	5-24-08
Section:	Site Name:	Project Manager:	Phone Number:	Initial Cooler Seal #
	North Chicago	Jim Salch	217-785-8726	009

(a.k.a Chemical Packing)

Lab Sample No.	Parameter Group: VOC	SVOC	Pest.	PCB	pH			Collection Information: Field Sample Number	Matrix	No. of Bottles	Date Collected	Time Collected (24 hr clock)	Sampler's Initials	Special Notations	Legal Hold Y or N
	X	X	X	X	X			X101	soil	2	5-29-08	1100	JA		
		X	X	X	X			X104A	soil	1	5-29-08	1520	JA		
	X	X	X	X	X			X126	soil	2	5-29-08	1650	JA	MS/MSD	
	X	X	X	X	X			X176	soil	2	5-29-08	1650	JA		
									X176						
							6SU								
							X176								

Opener: I certify that I received the sample shipping container with the shipping container sealed and intact.

Cooler Opened by:	Seal No:	Date:	Time:	Intact
Tony Wasilewski	009	5-28-08	1600	Y-N
				Y-N

I certify that I received the cooler containing the above samples with the seal(s) intact.

Received for Lab by:	Seal No:	Date:	Time:	Intact:
				Y-N

Lab Comments:

Supervisor Releasing Results: Date:

Sealer : I certify that the samples listed above were collected in my presence and sealed by me.

Cooler Sealed By:	Seal No.:	Date:	Time:
Tony Wasilewski	022	5-29-08	1715

Sample Courier: UPS

Turnaround Time Requested:

Samplers: Jim Salch

Illinois Environmental Protection Agency Chain of Custody

Preservative Codes	Container Description: Soil	Container Description: Aqueous
1. None		
2. VOA - HCl	VOC - 2 oz. glass (2)	VOC - 40 mL glass (3)
3. Metals - HNO3	SVOC - 8 oz. glass (1)	SVOC, Pest/PCB - 40 oz amber glass (1)*
4. Cyanide - NaOH	Pest/PCB - 8 oz. glass (1)	
5. Other:	Inorganics - 16 oz. glass (1)	Inorganics - 1 qt. plastic (1)
6. Other		* duplicate 1 out of 10

Fund:	LPC#:	Locality:	Cooler Initially Sealed By:	Date Initially Sealed
PR50	0971255020		[illegible]	5-30-08
Section:	Site Name:	Project Manager:	Phone Number:	Initial Cooler Seal #
	North Chicago (a.k.a Chemical Packing)	Jim Salch	217-785-8726	041

Lab Sample No.	VOC	SVOC	PH	Pest.	PCB			Field Sample Number	Matrix	No. of Bottles	Date Collected	Time Collected (24 hr clock)	Sampler's Initials	Special Notations	Legal Hold Y or N
	X	X	X	X	X			X110	Soil	2	6-3-08	1300	JS		
	X	X	X	X	X			X111A		2		1400	JS		
	X	X	X	X	X			X111B		2		1400	JS		
	X	X	X	X	X			X113 1530		2		1530	JS		
	X	X	X	X	X		1020	X121 6-3-08		2		1020	JS		
					6-3-08 1300								JS		
					6-3-08			X113 Dry weight							
				X				X110 Dry weight							

Opener: I certify that I received the sample shipping container with the shipping container sealed and intact.

Cooler Opened by:	Seal No:	Date:	Time:	Intact
Tony Wasilewski	041	6-3-08	1245	Y-N
				Y-N

I certify that I received the cooler containing the above samples with the seal(s) intact.

Received for Lab by:	Seal No:	Date:	Time:	Intact:
				Y-N

Lab Comments:

Supervisor Releasing Results: Date:

Sealer : I certify that the samples listed above were collected in my presence and sealed by me.

Cooler Sealed By:	Seal No.:	Date:	Time:
Tony Wasilewski	060	6-3-08	

Sample Courier:

Turnaround Time Requested: 30 days

Samplers: Jim Salch

Illinois Environmental F[illegible]ection Agency Chain of Custody

Preservative Codes	Container Description: Soil	Container Description: Aqueous
1. None		
2. VOA - HCl	VOC - 2 oz. glass (2)	VOC - 40 mL glass (3)
3. Metals - HNO3	SVOC - 8 oz. glass (1)	SVOC, Pest/PCB - 40 oz amber glass (1)*
4. Cyanide - NaOH	Pest/PCB - 8 oz. glass (1)	
5. Other:	Inorganics - 16 oz. glass (1)	Inorganics - 1 qt. plastic (1)
6. Other		* duplicate 1 out of 10

Fund:	LPC#:	Locality:	Cooler Initially Sealed By:	Date Initially Sealed
PR50	0971255020		[signature]	5-30-08
Section:	Site Name:	Project Manager:	Phone Number:	Initial Cooler Seal #
	North Chicago (a.k.a Chemical Packing)	Jim Salch	217-785-8726	043

Lab Sample No.	Parameter Group: SVOC	Pest	PCB	VOC	PH			Collection Information: Field Sample Number	Matrix	No. of Bottles	Date Collected	Time Collected (24 hr clock)	Sampler's Initials	Special Notations	Legal Hold Y or N
	X	X	X	X	X			X114A	soil	2	6-4-08	1045	JA		
	X			X	X			X114B	soil	2	6-4-08	1045	JA		
	X			X	X			X115	soil	2	6-4-08	1200	JA		
	X			X	X			X116A	soil	2	6-4-08	1615	JA		
	X			X	X			X116B	soil	2	6-4-08	1615	JA		
	X	X	X	X	X			X118	soil	2	6-4-08	1345	JA	MS/MSD	
	X	X	X	X	X			X164	soil	2	6-4-08	1045	JA		
	X	X	X	X	X			G113	water	4	6-3-08	1730	JA		
	X	X	X	X	X			G163	water	4	6-3-08	1730	JA		
				X				Trip blank	water	2	6-4-08	1700	JA		
	X	X	X	X	X			G118	water	8	6-4-08	1555	JA	MS/MSD	
	X			X	X			X112	soi	2	6-4-08	1715	JA		

Opener: I certify that I received the sample shipping container with the shipping container sealed and intact.

Sealer : I certify that the samples listed above were collected in my presence and sealed by me.

Cooler Opened by:	Seal No:	Date:	Time:	Intact	Cooler Sealed By:	Seal No.:	Date:	Time:
Tony Wasilewski	043	[illegible]	1615	Y-N	Tony Wasilewski	0069 & 0070	6-4-08	1725
				Y-N		0031		

I certify that I received the cooler containing the above samples with the seal(s) intact.

Received for Lab by:	Seal No:	Date:	Time:	Intact:
				Y-N

Lab Comments:

Supervisor Releasing Results: Date:

Sample Courier: UPS

Turnaround Time Requested: 30 days

Samplers: Jim Salch

Illinois Environmental Protection Agency Chain of Custody

Preservative Codes	Container Description	
	Soil	Aqueous
1. None	VOC - 2 oz glass (2)	VOC - 40 mL glass (3)
2. VOA - HCl	SVOC - 8 oz glass (1)	SVOC, Pest/PCB - 40 oz amber glass (1)*
3. Metals - HNO3	Pest/PCB - 8 oz glass (1)	Inorganics - 1 qt. plastic (1)
4. Cyanide - NaOH	Inorganics - 16 oz. glass (1)	* duplicate 1 out of 10
5. Other:		
6. Other		

Fund.	LPC#:	Locality.	Cooler Initially Sealed By.	Date Initially Sealed
PR50	0971255020		[illegible]	5-30-08
Section.	**Site Name**	**Project Manager:**	**Phone Number.**	**Initial Cooler Seal #**
	North Chicago (a.k.a Chemical Packing)	Jim Salch	217-785-8726	047

Lab Sample No.	Total Metals	Cyanide	Mercury	TPH				Field Sample Number	Matrix	No. of Bottles	Date Collected	Time Collected (24 hr clock)	Sampler's Initials	Special Notations	Legal Hold Y or N
001	X	X	X	X				X110	soil	2	6-3-08	1300	TW		
002	X	X	X					X111A	soil	1	6-3-08	1400	TW		
003	X	X	X					X112	soil	1	6-4-08	1715	TW		
004	X	X	X	X				X113	soil	2	6-3-08	1530	TW		
005	X	X	X					X114A	soil	1	6-4-08	1045	TW		
006	X	X	X					X115	soil	1	6-4-08	1200	TW		
007				X				X116A	soil	1	6-4-08	1615	TW		
008	X	X	X					X118	soil	1	6-4-08	1345	TW	MS/MSD	
009	X	X	X					X121	soil	1	6-3-08	1020	TW		
010	X	X	X					X164	soil	1	6-4-08	1045	TW		
011	X	X						G113	water	2	6-3-08	1730	TW		
012								G163	water	2	6-3-08	1730	TW		

Opener: I certify that I received the sample shipping container with the shipping container sealed and intact

Sealer: I certify that the samples listed above were collected in my presence and sealed by me.

Cooler Opened by:	Seal No:	Date:	Time:	Intact	Cooler Sealed By:	Seal No.:	Date:	Time:
Tony Wasilewski	047	6-4-08	1530	Y-N	Tony Wasilewski	016	6-5-08	1715
				Y-N				

I certify that I received the cooler containing the above samples with the seal(s) intact.

Received for Lab by:	Seal No:	Date:	Time:	Intact:
[illegible]		6/6/08	1530	Y-N

Sample Courier: UPS

Turnaround Time Requested:

Samplers: Tony Wasilewski

Lab Comments: 08060288

Supervisor Releasing Results: Date:

Cbhf 12: llpdl56

Illinois Environmental Protection Agency Chain of Custody

Preservative Codes	Container Description: Soil	Container Description: Aqueous
1. None		
2. VOA - HCl	VOC - 2 oz. glass (2)	VOC - 40 mL glass (3)
3. Metals - HNO3	SVOC - 8 oz. glass (1)	SVOC, Pest/PCB - 40 oz amber glass (1)*
4. Cyanide - NaOH	Pest/PCB - 8 oz. glass (1)	Inorganics - 1 qt plastic (1)
5. Other.	Inorganics - 16 oz. glass (1)	* duplicate 1 out of 10
6. Other		

Fund.	LPC#:	Locality:	Cooler Initially Sealed By.	Date Initially Sealed
PR50	0971255020		[illegible]	5-14-08
Section	**Site Name:**	**Project Manager:**	**Phone Number.**	**Initial Cooler Seal #**
	North Chicago (a.k.a Chemical Packing)	Jim Salch	217-785-8726	047

Lab Sample No.	Total Metals	Cyanide	Mercury	TPH	pH	FOC		Field Sample Number	Matrix	No of Bottles	Date Collected	Time Collected (24 hr clock)	Sampler's Initials	Special Notations	Legal Hold Y or N
013	X	X						G118	water	4	6-4-08	1555	JW		
014	X	X						G105	water	2	6-5-08	1055	JW		
	X	X	X					X119	soil	1	6-5-08	1430	JW		
015	X	X	X					X120	soil	1	6-5-08	1300	JW		
	X	X	X					X130	soil	1	6-5-08	1630	JW		
016	X	X	X			X		X124	soil	2	6-5-08	1700	JW		

Opener: I certify that I received the sample shipping container with the shipping container sealed and intact.

Cooler Opened by:	Seal No:	Date:	Time:	Intact
Tony Wasilewski	047	6-4-08	1530	(Y)-N
				Y-N

Sealer: I certify that the samples listed above were collected in my presence and sealed by me.

Cooler Sealed By:	Seal No.:	Date:	Time:
Tony Wasilewski	063	6-5-08	1715

I certify that I received the cooler containing the above samples with the seal(s) intact.

Received for Lab by:	Seal No:	Date:	Time:	Intact:
		6/6/08	1530	(Y)-N

Lab Comments: 08060288

Supervisor Releasing Results: Date:

Sample Courier: UPS

Turnaround Time Requested: 30 days

Samplers: Jerry Willman

Illinois Environmental Protection Agency Chain of Custody

Preservative Codes	Container Description: Soil	Container Description: Aqueous
1. None		
2. VOA - HCl	VOC - 2 oz. glass (2)	VOC - 40 mL glass (3)
3. Metals - HNO3	SVOC - 8 oz. glass (1)	SVOC, Pest/PCB - 40 oz amber glass (1)*
4. Cyanide - NaOH	Pest/PCB - 8 oz. glass (1)	
5. Other:	Inorganics - 16 oz. glass (1)	Inorganics - 1 qt. plastic (1)
6. Other		* duplicate 1 out of 10

Fund:	LPC#:	Locality:	Cooler Initially Sealed By:	Date Initially Sealed
PR50	0971255020		[signature]	5-30-08
Section:	Site Name:	Project Manager:	Phone Number:	Initial Cooler Seal #
	North Chicago (a.k.a Chemical Packing)	Jim Salch	217-785-8726	027

Lab Sample No.	Parameter Group: SVOC	Pest.	PCB	OC	PH			Collection Information: Field Sample Number	Matrix	No. of Bottles	Date Collected	Time Collected (24 hr clock)	Sampler's Initials	Special Notations	Legal Hold Y or N
	X	X	X	X	X			G105	water	4	6-5-08	1055	TW		
	X	X	X	X	X			X119	soil	2	6-5-08	1430	TW		
	X	X	X	X	X			X120	soil	2	6-5-08	1300	TW		
	X	X	X	X	X			X124	soil	2	6-5-08	1700	TW		

Opener: I certify that I received the sample shipping container with the shipping container sealed and intact.

Cooler Opened by:	Seal No:	Date:	Time:	Intact
Tony Wasilewski	027	6-3-08	1620	Y-N
				Y-N

Sealer : I certify that the samples listed above were collected in my presence and sealed by me.

Cooler Sealed By:	Seal No.:	Date:	Time:
Tony Wasilewski	072	6-5-08	1715

I certify that I received the cooler containing the above samples with the seal(s) intact.

Received for Lab by:	Seal No:	Date:	Time:	Intact:
				Y-N

Lab Comments:

Supervisor Releasing Results: Date:

Sample Courier: UPS

Turnaround Time Requested:

Samplers: Tony Wasilewski

Illinois Environmental Protection Agency Chain of Custody

Preservative Codes	Container Description: Soil	Container Description: Aqueous
1. None		
2. VOA - HCl	VOC - 2 oz. glass (2)	VOC - 40 mL glass (3)
3. Metals - HNO3	SVOC - 8 oz. glass (1)	SVOC, Pest/PCB - 40 oz amber glass (1)*
4. Cyanide - NaOH	Pest/PCB - 8 oz. glass (1)	
5. Other:	Inorganics - 16 oz. glass (1)	Inorganics - 1 qt. plastic (1)
6. Other		* duplicate 1 out of 10

Fund:	LPC#:	Locality:	Cooler Initially Sealed By:	Date Initially Sealed
PR50	0971255020		[illegible]	5-24-08
Section:	**Site Name:**	**Project Manager:**	**Phone Number:**	**Initial Cooler Seal #**
	North Chicago (a.k.a Chemical Packing)	Jim Salch	217-785-8726	047

Lab Sample No.	Parameter Group: Total Metals	Cyanide	Alkalinity	TPH	pH	FOC		Collection Information: Field Sample Number	Matrix	No. of Bottles	Date Collected	Time Collected (24 hr clock)	Sampler's Initials	Special Notations	Legal Hold Y or N
	X	X						G118	water	4	6-4-08	1555	JW	MS/MSD	
	X	X						G105	water	2	6-5-08	1055	JW		
	X	X	X					X119	soil	1	6-5-08	1430	JW		
	X	X	X					X120	soil	1	6-5-08	1300	JW		
	X	X	X					X130	soil	1	6-5-08	1630	JW		
	X	X	X			X		X124	soil	2	6-5-08	1700	JW		

Opener: I certify that I received the sample shipping container with the shipping container sealed and intact.

Cooler Opened by:	Seal No:	Date:	Time:	Intact
Tony Wasilewski	047	6-4-08	1530	Y-N
				Y-N

Sealer : I certify that the samples listed above were collected in my presence and sealed by me.

Cooler Sealed By:	Seal No.:	Date:	Time:
Tony Wasilewski	074	6-5-08	1715

I certify that I received the cooler containing the above samples with the seal(s) intact.

Received for Lab by:	Seal No:	Date:	Time:	Intact:
				Y-N

Lab Comments:

Supervisor Releasing Results: Date:

Sample Courier: UPS

Turnaround Time Requested: 30 days

Samplers: Tony Williams

Illinois Environmental Protection Agency Chain of Custody

Preservative Codes	Container Description: Soil	Container Description: Aqueous
1. None		
2. VOA - HCl	VOC - 2 oz. glass (2)	VOC - 40 mL glass (3)
3. Metals - HNO3	SVOC - 8 oz. glass (1)	SVOC, Pest/PCB - 40 oz amber glass (1)*
4. Cyanide - NaOH	Pest/PCB - 8 oz. glass (1)	
5. Other:	Inorganics - 16 oz. glass (1)	Inorganics - 1 qt. plastic (1)
6. Other		* duplicate 1 out of 10

Fund:	LPC#:	Locality:	Cooler Initially Sealed By:	Date Initially Sealed
PR50	0971255020		[illegible]	5 30 08
Section:	**Site Name:**	**Project Manager:**	**Phone Number:**	**Initial Cooler Seal #**
	North Chicago	Jim Salch	217-785-8726	029

(a.k.a Chemical Packing)

Lab Sample No.	Parameter Group: Total Metals	Cyanide	Mercury				Field Sample Number	Matrix	No. of Bottles	Date Collected	Time Collected (24 hr clock)	Sampler's Initials	Special Notations	Legal Hold Y or N
	X	X	X				Field Blank	water	2	6-6-08	1115	TW		
	X	X	X				X122	Soil	1	6-6-08	1020	TW		
	X	X	X				G106	water	2	6-6-08	1130	TW		

Opener: I certify that I received the sample shipping container with the shipping container sealed and intact.

Cooler Opened by:	Seal No:	Date:	Time:	Intact
Tony Wasilewski	029	6-6-08	1100	Y-N
				Y-N

Sealer : I certify that the samples listed above were collected in my presence and sealed by me.

Cooler Sealed By:	Seal No.:	Date:	Time:
Tony Wasilewski	036	6-6-08	1000

I certify that I received the cooler containing the above samples with the seal(s) intact.

Received for Lab by:	Seal No:	Date:	Time:	Intact:
				Y-N

Lab Comments:

Supervisor Releasing Results: Date:

Sample Courier: UPS

Turnaround Time Requested: 30 days

Samplers: Tony Wasilewski

Illinois Environmental Protection Agency Chain of Custody

Preservative Codes	Container Description	
	Soil	Aqueous
1. None		
2. VOA - HCl	VOC - 2 oz. glass (2)	VOC - 40 mL glass (3)
3. Metals - HNO3	SVOC - 8 oz. glass (1)	SVOC, Pest/PCB - 40 oz amber glass (1)*
4. Cyanide - NaOH	Pest/PCB - 8 oz. glass (1)	
5. Other:	Inorganics - 16 oz. glass (1)	Inorganics - 1 qt. plastic (1)
6. Other		* duplicate 1 out of 10

Fund:	LPC#:	Locality:	Cooler Initially Sealed By:	Date Initially Sealed
PR50	0971255020		[illegible]	5-24-08
Section:	**Site Name:**	**Project Manager:**	**Phone Number:**	**Initial Cooler Seal #**
	North Chicago	Jim Salch	217-785-8726	037

(a.k.a Chemical Packing)

Lab Sample No.	Parameter Group: SVOC	Pest	PCB	VOC	PH			Collection Information: Field Sample Number	Matrix	No. of Bottles	Date Collected	Time Collected (24 hr clock)	Sampler's Initials	Special Notations	Legal Hold Y or N
				X				Trip blank	water	2	6-6-08	1115	TW		
	X	X	X	X	X			Field blank	water	4	6-6-08	1120	TW		
	X	X	X	X	X			X122	Soil	2	6-6-08	1020	TW		
	X	X	X	X	X			G106	Water	4	6-6-08	1130	TW		

Opener: I certify that I received the sample shipping container with the shipping container sealed and intact.

Cooler Opened by:	Seal No:	Date:	Time:	Intact
Tony Wasilewski	037	6-6-08	1110	Y-N
				Y-N

Sealer : I certify that the samples listed above were collected in my presence and sealed by me.

Cooler Sealed By:	Seal No.:	Date:	Time:
Tony Wasilewski	018	6-6-08	1400

I certify that I received the cooler containing the above samples with the seal(s) intact.

Received for Lab by:	Seal No:	Date:	Time:	Intact:
				Y-N

Lab Comments:

Supervisor Releasing Results: Date:

Sample Courier:

Turnaround Time Requested:

Samplers:

Illinois Environmental Protection Agency Chain of Custody

Preservative Codes	Container Description	
	Soil	Aqueous
1. None		
2. VOA - HCl	VOC - 2 oz. glass (2)	VOC - 40 mL glass (3)
3. Metals - HNO3	SVOC - 8 oz. glass (1)	SVOC, Pest/PCB - 40 oz amber glass (1)*
4. Cyanide - NaOH	Pest/PCB - 8 oz. glass (1)	
5. Other:	Inorganics - 16 oz. glass (1)	Inorganics - 1 qt. plastic (1)
6. Other		* duplicate 1 out of 10

Fund:	LPC#:	Locality:	Cooler Initially Sealed By:	Date Initially Sealed
PR50	0971255020		[illegible]	5-24-08
Section:	Site Name:	Project Manager:	Phone Number:	Initial Cooler Seal #
	North Chicago	Jim Salch	217-785-8726	001

(a.k.a Chemical Packing)

Lab Sample No.	Total Metals	Mercury	Cyanide	pH	FOC	TPH	Field Sample Number	Matrix	No. of Bottles	Date Collected	Time Collected (24 hr clock)	Sampler's Initials	Special Notations	Legal Hold Y or N
	✓	✓	✓	✓			MW-101	Soil	1	6-25-08	11:45	JA		
						✓	K-109	Soil	1	6-25-08	12:45	JA		
	✓	✓	✓	✓			K-119R	Soil	1	6-25-08	10:40	JA		
							[illegible]							
					✓		MW-104	Soil	1	6-25-08	9:30	JA		
	✓	✓	✓	✓			K-130R	Soil	1	6-25-08	10:15	JA		
	✓	✓	✓				MW-103	Water	4	6-25-08		JW	MS/MSD	
	✓	✓					MW-101	Water	1	6-25-08	12:45	JW		
	✓	✓	✓				MW-102	Water	2	6-25-08	10:25	JW		
	✓	✓					MW-104	Water	1	6-25-08	9:40	JW		

Opener: I certify that I received the sample shipping container with the shipping container sealed and intact.

Cooler Opened by:	Seal No:	Date:	Time:	Intact
James M. Salch	001	6-25-08	08:00	Y-N
				Y-N

Sealer : I certify that the samples listed above were collected in my presence and sealed by me.

Cooler Sealed By:	Seal No.:	Date:	Time:
James M. Salch	002	6-25-08	15:30

I certify that I received the cooler containing the above samples with the seal(s) intact.

Received for Lab by:	Seal No:	Date:	Time:	Intact:
				Y-N

Lab Comments:

Supervisor Releasing Results: Date:

Sample Courier: UPS

Turnaround Time Requested: 30 Day

Samplers: Jim Salch, Jerry Willman

Illinois Environmental Protection Agency Chain of Custody

Preservative Codes	Container Description: Soil	Container Description: Aqueous
1. None		
2. VOA - HCl	VOC - 2 oz. glass (2)	VOC - 40 mL glass (3)
3. Metals - HNO3	SVOC - 8 oz. glass (1)	SVOC, Pest/PCB - 40 oz amber glass (1)*
4. Cyanide - NaOH	Pest/PCB - 8 oz. glass (1)	
5. Other:	Inorganics - 16 oz. glass (1)	Inorganics - 1 qt. plastic (1)
6. Other		* duplicate 1 out of 10

Fund:	LPC#:	Locality:	Cooler Initially Sealed By:	Date Initially Sealed
PR50	0971255020		MPG	5-24-08
Section:	**Site Name:**	**Project Manager:**	**Phone Number:**	**Initial Cooler Seal #**
	North Chicago (a.k.a Chemical Packing)	Jim Salch	217-785-8726	011

Lab Sample No.	Parameter Group: VOC	SVOC	PCB	Pesticide	pH	DW		Field Sample Number	Matrix	No. of Bottles	Date Collected	Time Collected (24 hr clock)	Sampler's Initials	Special Notations	Legal Hold Y or N
	✓							MW-101	Water	2	6-25-08	9:15	JW		
	✓							MW-102	Water	2	6-25-08	10:25	JW		
	✓	✓	✓	✓				MW-103	Water	8	6-25-08	12:00	JW	MS/MSD	
	✓							MW-104	Water	2	6-25-08	9:40	JW		
	✓							TB-110	Water	2	6-25-08	13:00	JW		
		✓	✓	✓	✓			MW-101	Soil	1	6-25-08	11:45	JA		
	✓	✓			✓	✓		MW-104	Soil	3	6-25-08	9:30	JA		
		✓	✓	✓	✓			K-130R	Soil	1	6-25-08	10:15	JA		

Opener: I certify that I received the sample shipping container with the shipping container sealed and intact.

Cooler Opened by:	Seal No:	Date:	Time:	Intact
James M. Salch	011	6/23/08	08:00	Y-N
				Y-N

Sealer : I certify that the samples listed above were collected in my presence and sealed by me.

Cooler Sealed By:	Seal No.:	Date:	Time:
James M. Salch	034	6-25-08	15:30

I certify that I received the cooler containing the above samples with the seal(s) intact.

Received for Lab by:	Seal No:	Date:	Time:	Intact:
				Y-N

Lab Comments:

Supervisor Releasing Results: Date:

Sample Courier: UPS

Turnaround Time Requested: 30 Day

Samplers: Jerry Willman
Jim Salch

Illinois Environmental Protection Agency Chain of Custody

Preservative Codes	Container Description	
	Soil	Aqueous
1. None		
2. VOA - HCl	VOC - 2 oz. glass (2)	VOC - 40 mL glass (3)
3. Metals - HNO3	SVOC - 8 oz. glass (1)	SVOC, Pest/PCB - 40 oz amber glass (1)*
4. Cyanide - NaOH	Pest/PCB - 8 oz. glass (1)	
5. Other:	Inorganics - 16 oz. glass (1)	Inorganics - 1 qt. plastic (1)
6. Other		* duplicate 1 out of 10

Fund:	LPC#:	Locality:	Cooler Initially Sealed By:	Date Initially Sealed
PR50	0971255020		[illegible]	5-24-08
Section:	**Site Name:**	**Project Manager:**	**Phone Number:**	**Initial Cooler Seal #**
	North Chicago	Jim Salch	217-785-8726	001

(a.k.a Chemical Packing)

Lab Sample No.	Parameter Group: SVOC	Pesticide	PCB					Collection Information: Field Sample Number	Matrix	No. of Bottles	Date Collected	Time Collected (24 hr clock)	Sampler's Initials	Special Notations	Legal Hold Y or N
	✓	✓	✓					MW-101	Water	2	6-25-08	9:15	JW		
	✓	✓	✓					MW-102	Water	2	6-25-08	10:25	JW		
	✓	✓	✓					MW-104	Water	2	6-25-08	9:40	JW		

Opener: I certify that I received the sample shipping container with the shipping container sealed and intact.

Cooler Opened by:	Seal No:	Date:	Time:	Intact
James M. Salch	001	6-27-08	08:00	Y-N
				Y-N

Sealer : I certify that the samples listed above were collected in my presence and sealed by me.

Cooler Sealed By:	Seal No.:	Date:	Time:
James M. Salch	033	6-25-08	15:30

I certify that I received the cooler containing the above samples with the seal(s) intact.

Received for Lab by:	Seal No:	Date:	Time:	Intact:
				Y-N

Lab Comments:

Supervisor Releasing Results: Date:

Sample Courier: UPS

Turnaround Time Requested: 30 Day

Samplers: Jerry Willman

APPENDIX – D

Photos

ILLINOIS EPA PHOTO LOG

SITE NAME: Chemical Packing (a.k.a. North Chicago)		
LPC #: LPC# 0971255020	**CERCLIS ID:** ILB 000 000 087	**COUNTY:** Lake

DATE: May 28, 2008

TIME: 10:45

PHOTO BY: Jim Salch

PHOTO NO: No. 1

DIRECTION: East

COMMENTS: Photo of soil sample location X-107. Located near east property line fence in former storage tank area.

DATE: May 28, 2008

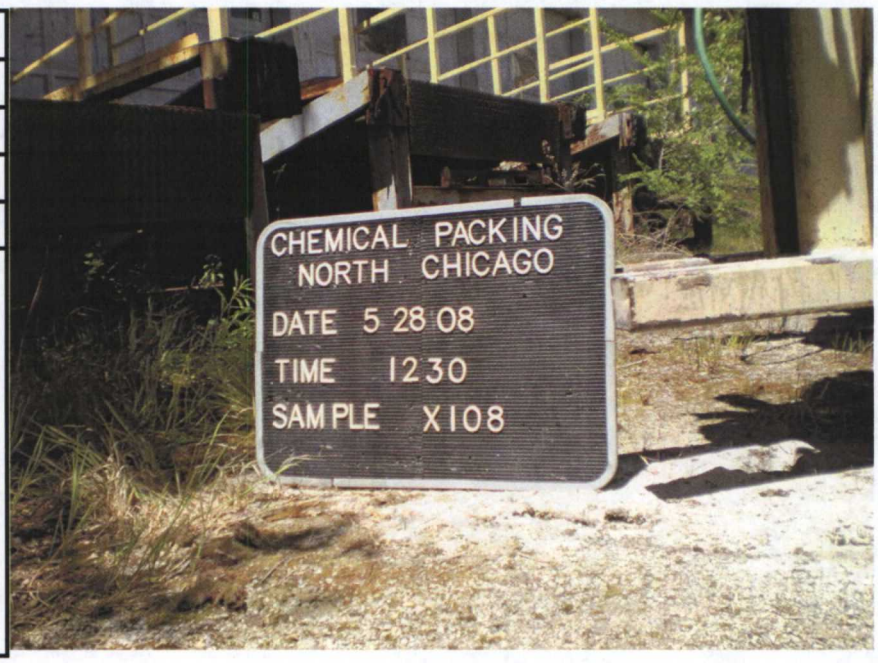
TIME: 12:30

PHOTO BY: Jim Salch

PHOTO NO: No. 2

DIRECTION: Southwest

COMMENTS: Photo of soil sample location X-108. Located near loading dock area on southeast corner of the site.



ILLINOIS EPA PHOTO LOG

SITE NAME: Chemical Packing (a.k.a. North Chicago)		
LPC #: LPC# 0971255020	**CERCLIS ID:** ILB 000 000 087	**COUNTY:** Lake

DATE: May 28, 2008

TIME: 15:00

PHOTO BY: Jim Salch

PHOTO NO: No. 3

DIRECTION: Southeast

COMMENTS: Photo of soil sample location X-109 A&B. Located in parking lot area on the northeast portion of the site.

DATE: May 28, 2008

TIME: 17:00

PHOTO BY: Jim Salch

PHOTO NO: No. 4

DIRECTION: North

COMMENTS: Photo of soil sample location X-106. Located in northwest corner of former tank farm area on the southeast portion of the site.

ILLINOIS EPA PHOTO LOG

SITE NAME: Chemical Packing (a.k.a. North Chicago)		
LPC #: LPC# 0971255020	**CERCLIS ID:** ILB 000 000 087	**COUNTY:** Lake

DATE: May 29, 2008

TIME: 11:00

PHOTO BY: Jim Salch

PHOTO NO: No. 5

DIRECTION: West

COMMENTS: Photo of soil sample location X-101. Located in asphalt parking area on northeast portion of the site.

DATE: May 29, 2008

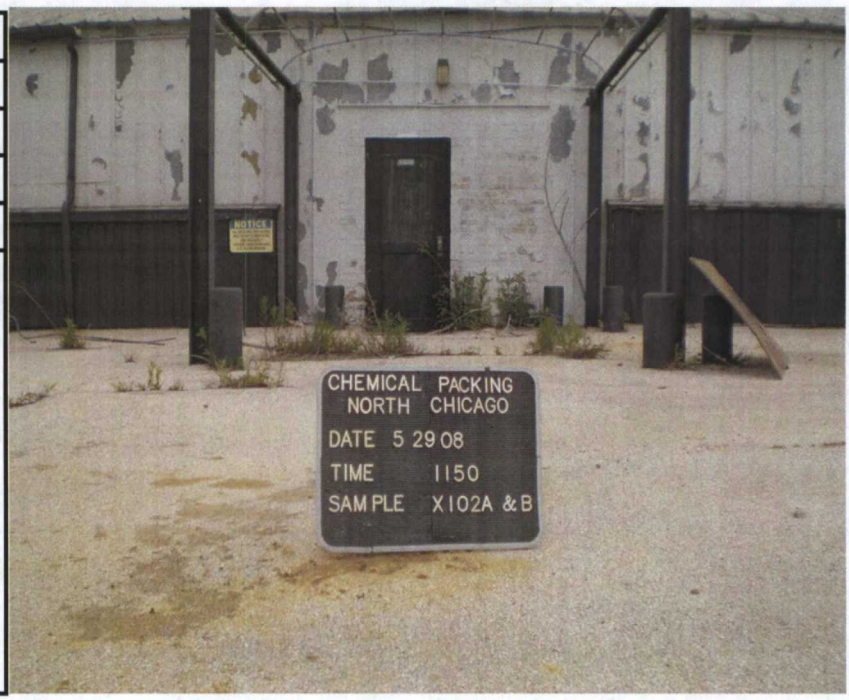
TIME: 11:50

PHOTO BY: Jim Salch

PHOTO NO: No. 6

DIRECTION: North

COMMENTS: Photo of sample location X-102 A&B. Located in asphalt parking lot located on northeast section of the site.



ILLINOIS EPA PHOTO LOG

SITE NAME: Chemical Packing (a.k.a. North Chicago)		
LPC #: LPC# 0971255020	**CERCLIS ID:** ILB 000 000 087	**COUNTY:** Lake

DATE: May 29, 2008

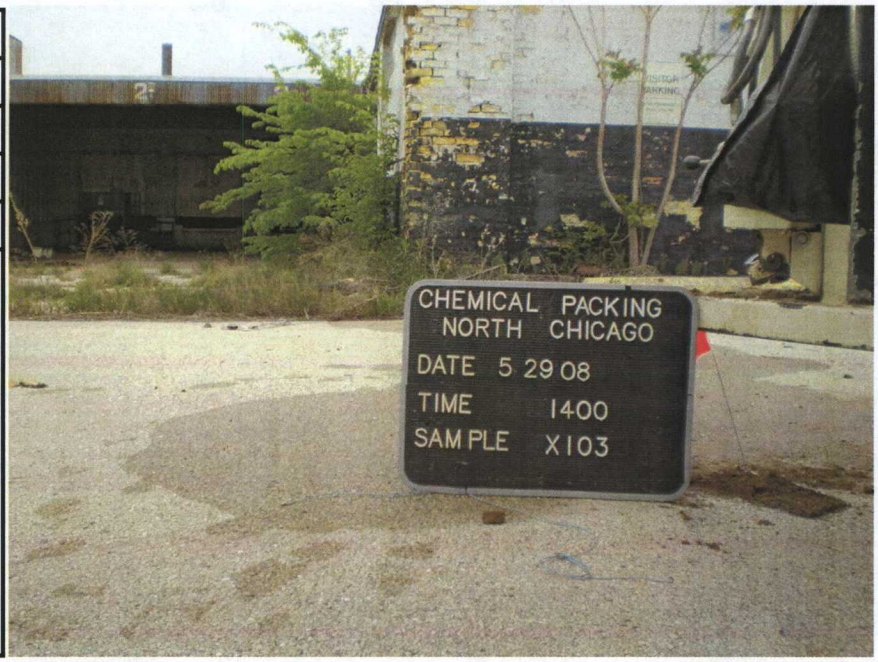
TIME: 14:00

PHOTO BY: Jim Salch

PHOTO NO: No. 7

DIRECTION: West

COMMENTS: Photo of soil sample location X-103. Located in asphalt parking lot located on northeast section of the site.



DATE: May 29, 2008

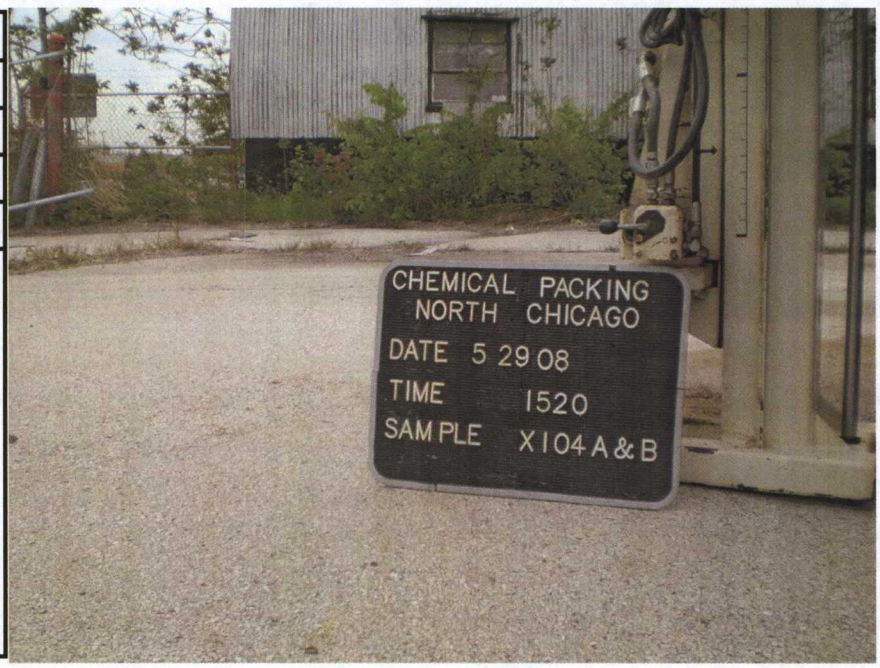
TIME: 15:20

PHOTO BY: Jim Salch

PHOTO NO: No. 8

DIRECTION: South

COMMENTS: Photo of soil sample location X-104 A&B. Located in asphalt parking lot located on northeast section of the site.



ILLINOIS EPA PHOTO LOG

SITE NAME: Chemical Packing (a.k.a. North Chicago)		
LPC #: LPC# 0971255020	**CERCLIS ID:** ILB 000 000 087	**COUNTY:** Lake

DATE: May 29, 2008

TIME: 16:50

PHOTO BY: Jim Salch

PHOTO NO: No. 9

DIRECTION: West

COMMENTS: Photo of soil sample location X-126 & duplicate sample X-176. Located along southern property line fence behind building near PVC drainage pipes leaving the building.

DATE: June 3, 2008

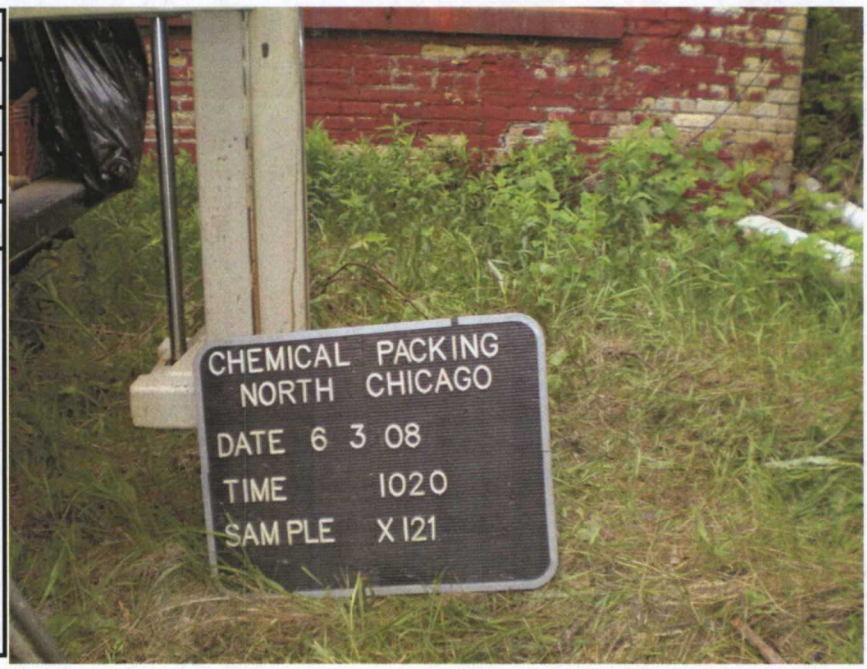
TIME: 10:20

PHOTO BY: Jim Salch

PHOTO NO: No. 10

DIRECTION: East

COMMENTS: Photo of sample location X-121. Located near southern property boundary fence on west side of site. Located near sewer/sump where PVC on south side of the building drained to.



ILLINOIS EPA PHOTO LOG

SITE NAME: Chemical Packing (a.k.a. North Chicago)		
LPC #: LPC# 0971255020	**CERCLIS ID:** ILB 000 000 087	**COUNTY:** Lake

DATE: June 3, 2008

TIME: 10:20

PHOTO BY: Jim Salch

PHOTO NO: No. 11

DIRECTION: North

COMMENTS: Photo of sample location X-121. Located near southern property boundary fence on west side of site. Located near sewer/sump where PVC on south side of the building drained to.

DATE: June 3, 2008

TIME: 13:00

PHOTO BY: Jim Salch

PHOTO NO: No. 12

DIRECTION:

COMMENTS: Photo of sample location X-110. Located inside southeast building near east wall.

ILLINOIS EPA PHOTO LOG

SITE NAME: Chemical Packing (a.k.a. North Chicago)		
LPC #: LPC# 0971255020	**CERCLIS ID:** ILB 000 000 087	**COUNTY:** Lake

DATE: June 3, 2008

TIME: 13:00

PHOTO BY: Jim Salch

PHOTO NO: No. 13

DIRECTION: South

COMMENTS: Photo of soil sample location X-110. Located inside southeast building near east wall.

DATE: June 3, 2008

TIME: 14:00

PHOTO BY: Jim Salch

PHOTO NO: No. 14

DIRECTION: North

COMMENTS: Photo of sample location X-111 A&B. Located in southeast building near west wall.

ILLINOIS EPA PHOTO LOG

SITE NAME: Chemical Packing (a.k.a. North Chicago)		
LPC #: LPC# 0971255020	**CERCLIS ID:** ILB 000 000 087	**COUNTY:** Lake

DATE: June 3, 2008

TIME: 14:00

PHOTO BY: Jim Salch

PHOTO NO: No. 15

DIRECTION:

COMMENTS: Photo of sample location X-111 A&B. Located in southeast building near west wall.

DATE: June 3, 2008

TIME: 15:30

PHOTO BY: Jim Salch

PHOTO NO: No. 16

DIRECTION:

COMMENTS: Photo of sample location X-113. Located inside western building on south side of the site.

ILLINOIS EPA PHOTO LOG

SITE NAME: Chemical Packing (a.k.a. North Chicago)		
LPC #: LPC# 0971255020	**CERCLIS ID:** ILB 000 000 087	**COUNTY:** Lake

DATE: June 3, 2008

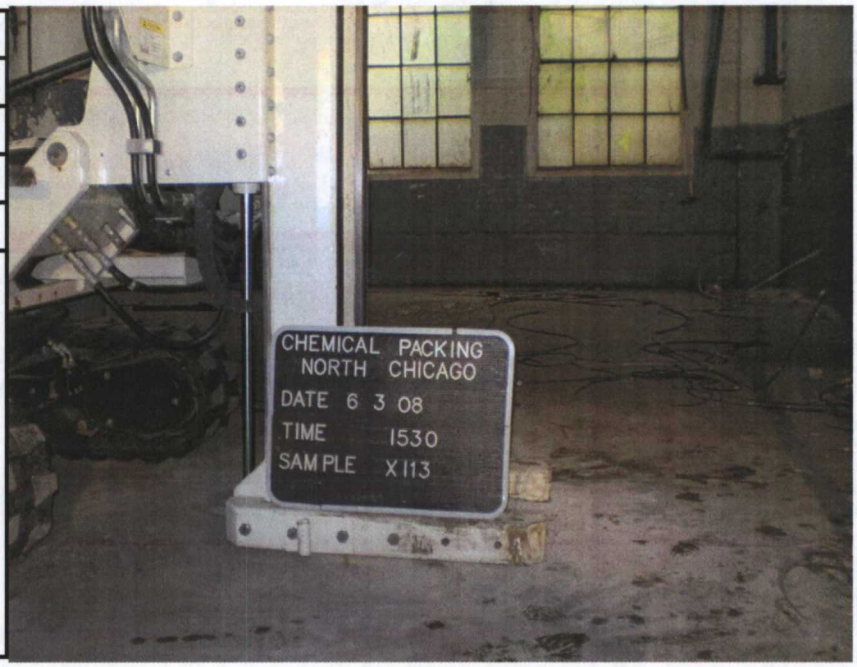
TIME: 15:30

PHOTO BY: Jim Salch

PHOTO NO: No. 17

DIRECTION: South

COMMENTS: Photo of sample location X-113. Located inside western building on south side of the site.



DATE: June 3, 2008

TIME: 17:30

PHOTO BY: Jim Salch

PHOTO NO: No. 18

DIRECTION:

COMMENTS: Photo of sample location G-113 and duplicate sample G-163. Photo of sample location X-113. Located inside western building on south side of the site.

ILLINOIS EPA PHOTO LOG

SITE NAME: Chemical Packing (a.k.a. North Chicago)		
LPC #: LPC# 0971255020	**CERCLIS ID:** ILB 000 000 087	**COUNTY:** Lake

DATE: June 3, 2008

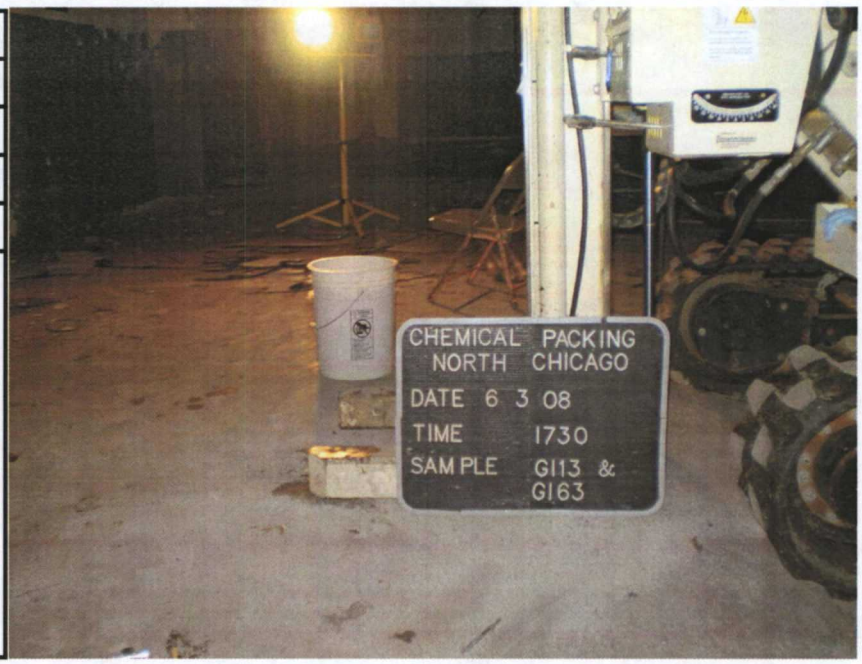
TIME: 17:30

PHOTO BY: Jim Salch

PHOTO NO: No. 19

DIRECTION:

COMMENTS: Photo of sample location G-113 and duplicate sample G-163. Photo of sample location X-113. Located inside western building on south side of the site.



DATE: June 4, 2008

TIME: 13:45

PHOTO BY: Jim Salch

PHOTO NO: No. 20

DIRECTION: East

COMMENTS: Photo of sample location X-118. Located on west side of covered area between buildings. Sump located in small room on the other side of the wall.

ILLINOIS EPA PHOTO LOG

SITE NAME: Chemical Packing (a.k.a. North Chicago)		
LPC #: LPC# 0971255020	**CERCLIS ID:** ILB 000 000 087	**COUNTY:** Lake

DATE: June 4, 2008

TIME: 15:55

PHOTO BY: Jim Salch

PHOTO NO: No. 21

DIRECTION: West

COMMENTS: Photo of sample location G-118. Located near east property line fence in former storage tank area. Located on west side of covered area between buildings. Sump located in small room on the other side of the wall.

DATE: June 4, 2008

TIME: 17:15

PHOTO BY: Jim Salch

PHOTO NO: No. 22

DIRECTION: East

COMMENTS: Photo of sample location G-112. Located in the center of covered area between buildings.

ILLINOIS EPA PHOTO LOG

SITE NAME: Chemical Packing (a.k.a. North Chicago)		
LPC #: LPC# 0971255020	**CERCLIS ID:** ILB 000 000 087	**COUNTY:** Lake

DATE: June 4, 2008

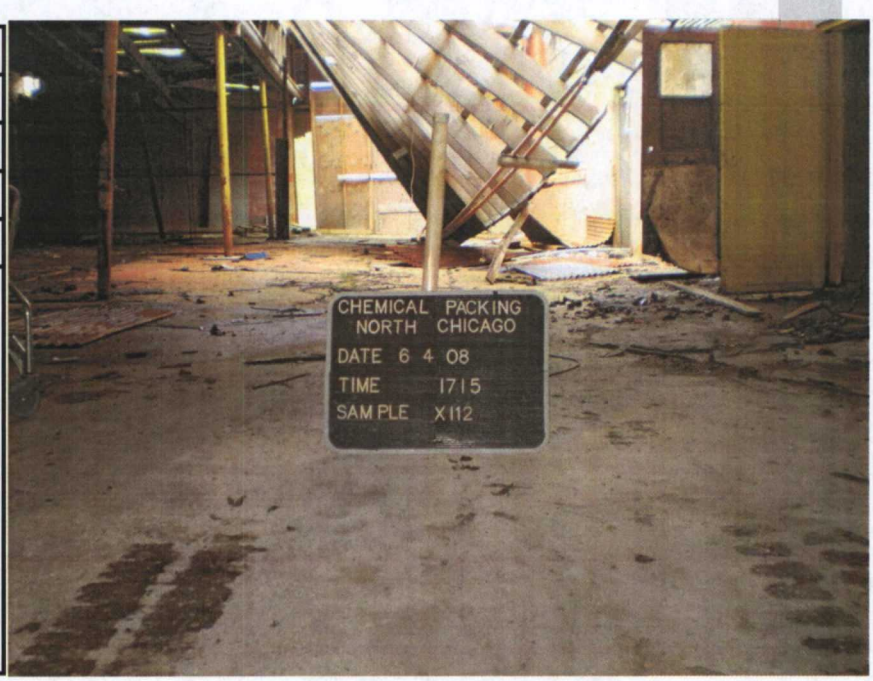
TIME: 17:15

PHOTO BY: Jim Salch

PHOTO NO: No.23

DIRECTION: East

COMMENTS: Photo of soil sample location X-112. Located in the center of covered area between buildings.



DATE: June 4, 2008

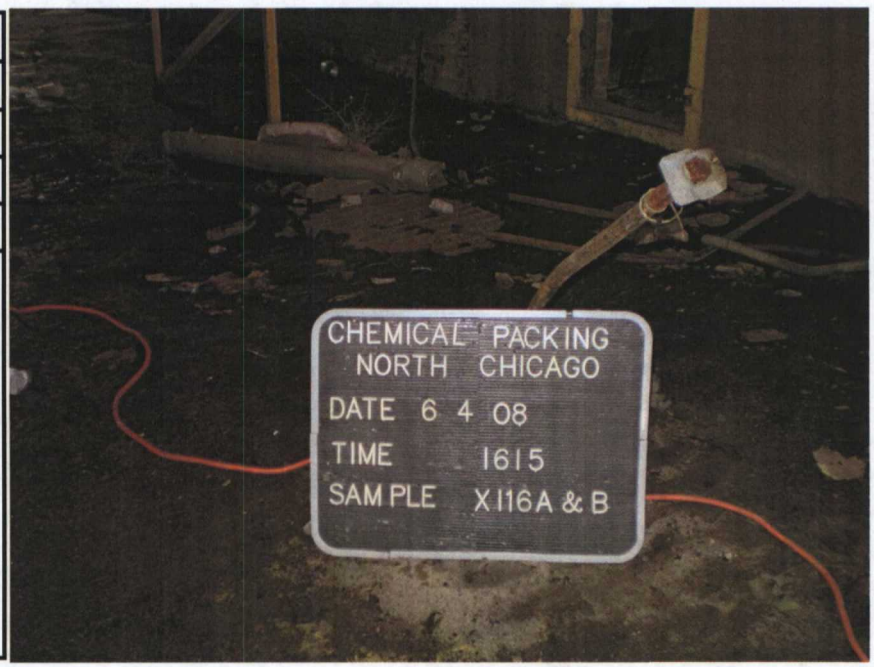
TIME: 16:15

PHOTO BY: Jim Salch

PHOTO NO: No. 24

DIRECTION: Southeast

COMMENTS: Photo of sample location X-116 A&B. Located in the center of covered area between buildings. Sump or storm water sewer in background.

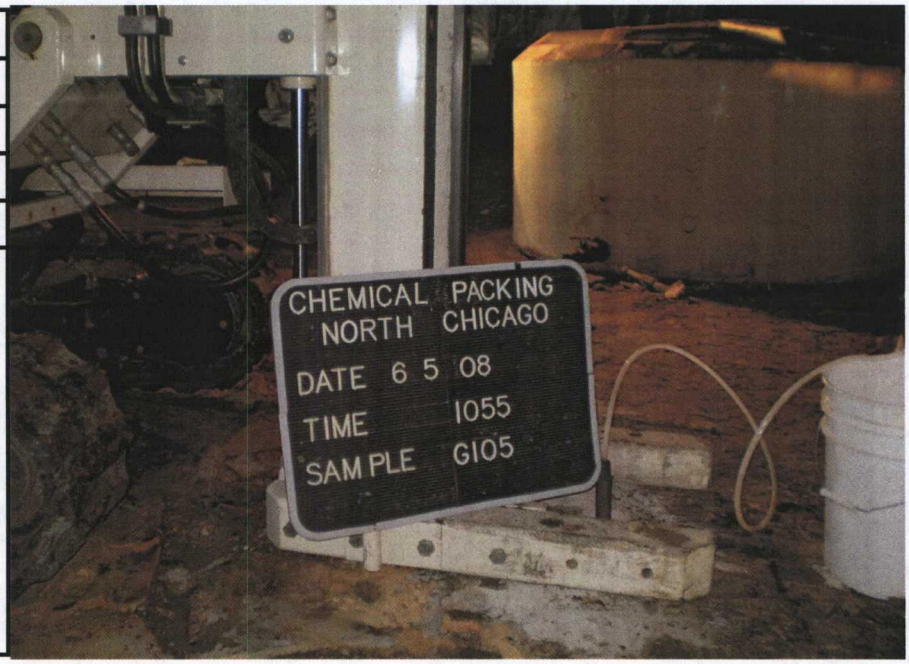


ILLINOIS EPA PHOTO LOG

SITE NAME: Chemical Packing (a.k.a. North Chicago)		
LPC #: LPC# 0971255020	**CERCLIS ID:** ILB 000 000 087	**COUNTY:** Lake

DATE: June 5, 2008
TIME: 10:55
PHOTO BY: Jim Salch
PHOTO NO: No. 25
DIRECTION: East
COMMENTS: Photo of sample location G-105. Located inside quonset hut building on the east side of the site.

DATE: June 5, 2008
TIME: 10:55
PHOTO BY: Jim Salch
PHOTO NO: No. 26
DIRECTION:
COMMENTS: Photo of sample location G-105. Located inside quonset hut building on the east side of the site.



ILLINOIS EPA PHOTO LOG

SITE NAME: Chemical Packing (a.k.a. North Chicago)		
LPC #: LPC# 0971255020	**CERCLIS ID:** ILB 000 000 087	**COUNTY:** Lake

DATE: June 5, 2008

TIME: 13:00

PHOTO BY: Jim Salch

PHOTO NO: No. 27

DIRECTION: South

COMMENTS: Photo of soil sample location X-120. Located on west side of site next to sump located west of the covered area between the buildings.

DATE: June 5, 2008

TIME: 14:30

PHOTO BY: Jim Salch

PHOTO NO: No. 28

DIRECTION: West

COMMENTS: Photo of soil sample location X-119. Located on west side of site along north wall of small buildings in middle of the site.

ILLINOIS EPA PHOTO LOG

SITE NAME: Chemical Packing (a.k.a. North Chicago)		
LPC #: LPC# 0971255020	**CERCLIS ID:** ILB 000 000 087	**COUNTY:** Lake

DATE: June 5, 2008

TIME: 16:30

PHOTO BY: Jim Salch

PHOTO NO: No. 29

DIRECTION: West

COMMENTS: Photo of soil sample location X-130. Located near west property line fence in northwest corner of the site.

DATE: June 5, 2008

TIME: 16:30

PHOTO BY: Jim Salch

PHOTO NO: No. 30

DIRECTION: Northeast

COMMENTS: Photo of sample location X-130. Located near west property line fence in northwest corner of the site. Near well MW-104.

ILLINOIS EPA PHOTO LOG

SITE NAME: Chemical Packing (a.k.a. North Chicago)		
LPC #: LPC# 0971255020	**CERCLIS ID:** ILB 000 000 087	**COUNTY:** Lake

DATE: June 5, 2008

TIME: 17:00

PHOTO BY: Jim Salch

PHOTO NO: No. 31

DIRECTION: West

COMMENTS: Photo of soil sample location X-124. Located on the west side of the site near west property line fence.

DATE: June 5, 2008

TIME: 17:00

PHOTO BY: Jim Salch

PHOTO NO: No. 32

DIRECTION: South

COMMENTS: Photo of sample location X-124. Located on the west side of the site near west property line fence.

ILLINOIS EPA PHOTO LOG

SITE NAME: Chemical Packing (a.k.a. North Chicago)		
LPC #: LPC# 0971255020	**CERCLIS ID:** ILB 000 000 087	**COUNTY:** Lake

DATE: June 6, 2008

TIME: 10:20

PHOTO BY: Jim Salch

PHOTO NO: No.33

DIRECTION: East

COMMENTS: Photo of soil sample location X-122. Located on the west side of the site near west property line fence.

DATE: June 6, 2008

TIME: 10:20

PHOTO BY: Jim Salch

PHOTO NO: No. 34

DIRECTION: North

COMMENTS: Photo of soil sample location X-122. Located on the west side of the site near west property line fence.

ILLINOIS EPA PHOTO LOG

SITE NAME: Chemical Packing (a.k.a. North Chicago)		
LPC #: LPC# 0971255020	**CERCLIS ID:** ILB 000 000 087	**COUNTY:** Lake

DATE: June 6, 2008

TIME: 11:30

PHOTO BY: Jim Salch

PHOTO NO: No. 35

DIRECTION: East

COMMENTS: Photo of ground water sample location G-106. Located near former storage tank area in small open area near buildings.

DATE: June 6, 2008

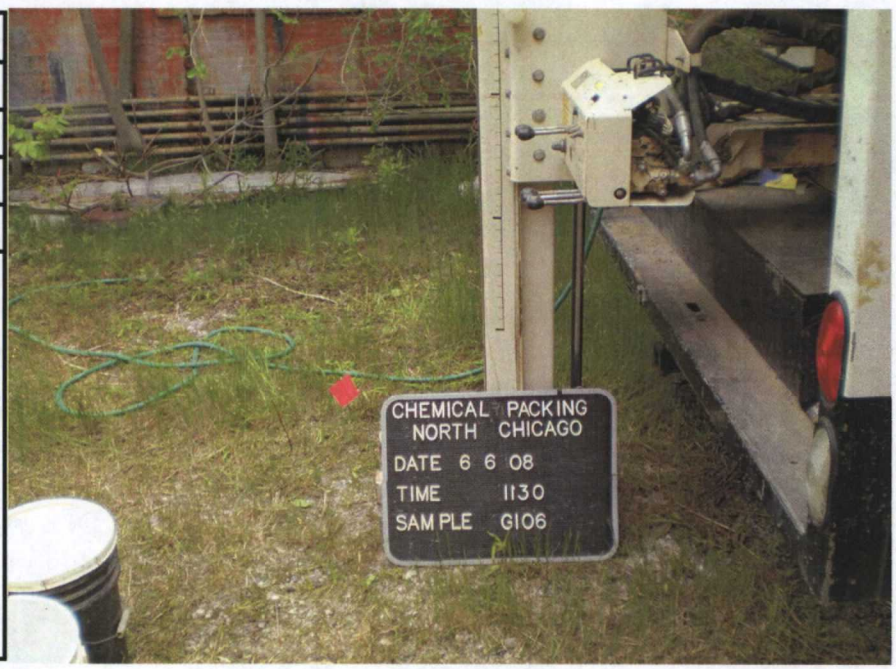
TIME: 11:30

PHOTO BY: Jim Salch

PHOTO NO: No. 36

DIRECTION: North

COMMENTS: Photo of ground water sample location G-106. Located near former storage tank area in small open area near buildings.



ILLINOIS EPA PHOTO LOG

SITE NAME: Chemical Packing (a.k.a. North Chicago)		
LPC #: LPC# 0971255020	**CERCLIS ID:** ILB 000 000 087	**COUNTY:** Lake

DATE: June 25, 2008

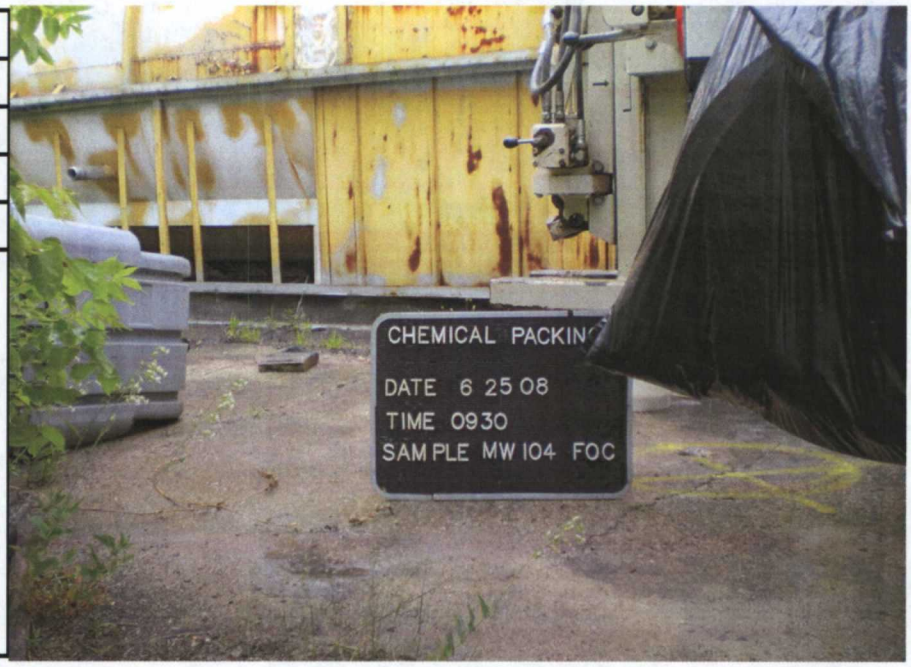
TIME: 09:30

PHOTO BY: Jim Salch

PHOTO NO: No. 37

DIRECTION: Northeast

COMMENTS: Photo of Fraction of Organic Compound (FOC) soil sample location MW-104. Located on west side of property near MW-104.



DATE: June 25, 2008

TIME: 10:25

PHOTO BY: Jim Salch

PHOTO NO: No. 38

DIRECTION: Northeast

COMMENTS: Photo of ground water sample MW-102. Located in former storage tank area on east portion of the site.

ILLINOIS EPA PHOTO LOG

SITE NAME: Chemical Packing (a.k.a. North Chicago)		
LPC #: LPC# 0971255020	**CERCLIS ID:** ILB 000 000 087	**COUNTY:** Lake

DATE: June 25, 2008

TIME: 12:00

PHOTO BY: Jim Salch

PHOTO NO: No. 39

DIRECTION: South

COMMENTS: Photo of ground water sample location MW-103. Located on the west side of the site near west property line fence.

DATE: June 25, 2008

TIME: 09:40

PHOTO BY: Jim Salch

PHOTO NO: No. 40

DIRECTION: North

COMMENTS: Photo of ground water sample location MW-104. Located on the west side of the site near west property line fence.

ILLINOIS EPA PHOTO LOG

SITE NAME: Chemical Packing (a.k.a. North Chicago)		
LPC #: LPC# 0971255020	**CERCLIS ID:** ILB 000 000 087	**COUNTY:** Lake

DATE: June 25, 2008

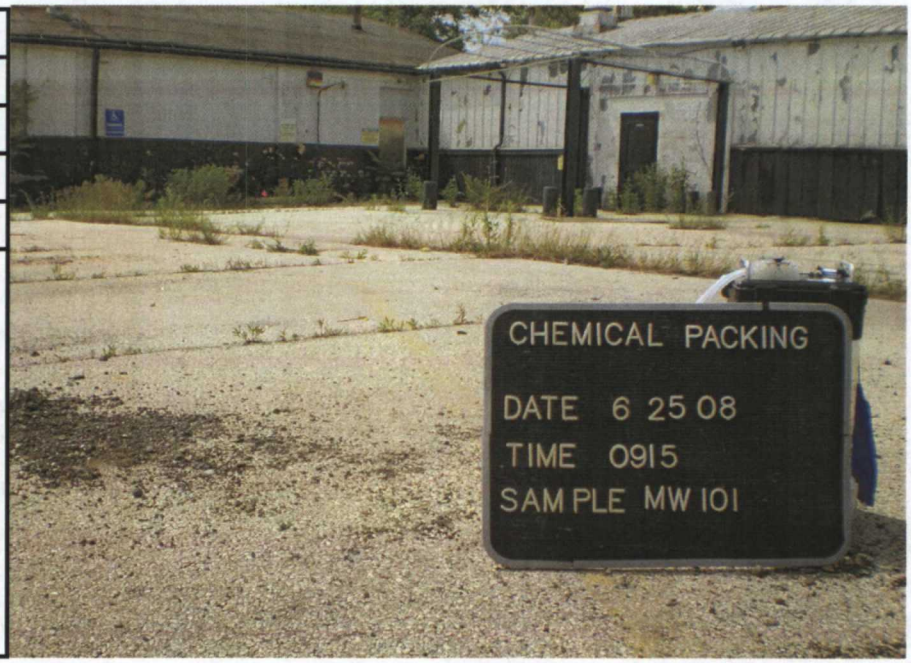
TIME: 09:15

PHOTO BY: Jim Salch

PHOTO NO: No. 41

DIRECTION: Northwest

COMMENTS: Photo of ground water sample location MW-101. Located on the east side of the site in the asphalt parking lot area.



APPENDIX – E

Analytical Data Package

STAT Analysis Corporation
2242 West Harrison St., Suite 200, Chicago, IL 60612-3766
Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com
Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001;AIHA 101160; NVLAP LabCode 101202-

July 11, 2008

Illinois Environmental Protection Agency
1021 North Grand Avenue East
P.O. Box 19276
Springfield, IL 62794-9276
Telephone: (217) 524-1657
Fax: (217) 557-1165

RE: PR50, 0971255020, North Chicago STAT Project No 08060097

Dear Jim Salch:

STAT Analysis received 12 samples for the referenced project on 5/30/2008 10:00:00 AM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. 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 when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

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

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory.

STAT Analysis Corporation

Date: July 11, 2008

Client: Illinois Environmental Protection Agency
Project: PR50, 0971255020, North Chicago
Lab Order: 08060097

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
08060097-001A	X101		5/29/2008 11:00:00 AM	5/30/2008
08060097-002A	X102A		5/29/2008 11:50:00 AM	5/30/2008
08060097-003A	X102B		5/29/2008 11:50:00 AM	5/30/2008
08060097-004A	X103		5/29/2008 2:00:00 PM	5/30/2008
08060097-005A	X104A		5/29/2008 3:20:00 PM	5/30/2008
08060097-006A	X104B		5/29/2008 3:20:00 PM	5/30/2008
08060097-007A	X106		5/28/2008 5:00:00 PM	5/30/2008
08060097-008A	X107		5/28/2008 10:45:00 AM	5/30/2008
08060097-009A	X108		5/28/2008 12:30:00 PM	5/30/2008
08060097-010A	X126		5/29/2008 4:50:00 PM	5/30/2008
08060097-011A	X176		5/29/2008 4:50:00 PM	5/30/2008
08060097-012A	X-101		5/29/2008 11:00:00 AM	5/30/2008

CLIENT: Illinois Environmental Protection Agency
Project: PR50, 0971255020, North Chicago
Lab Order: 08060097

CASE NARRATIVE

The metals LCS (preparation batch 35548) had recovery outside of control limits for Antimony (155% recovery, QC Limits 80-120%).

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Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com
Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: July 11, 2008
Print Date: July 11, 2008

Client:	Illinois Environmental Protection Agency	**Client Sample ID:**	X101
Lab Order:	08060097	**Tag Number:**	
Project:	PR50, 0971255020, North Chicago	**Collection Date:**	5/29/2008 11:00:00 AM
Lab ID:	08060097-001A	**Matrix:**	Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	**SW7471A**			Prep Date: **6/12/2008**		Analyst: **VA**
Mercury	0.047	0.034		mg/Kg-dry	1	6/12/2008
Metals by ICP/MS	**SW6020 (SW3050B)**			Prep Date: **6/6/2008**		Analyst: **JG**
Aluminum	3900	270		mg/Kg-dry	100	6/6/2008
Antimony	ND	2.7		mg/Kg-dry	10	6/8/2008
Arsenic	26	1.3		mg/Kg-dry	10	6/8/2008
Barium	55	1.3		mg/Kg-dry	10	6/8/2008
Beryllium	2.5	0.67		mg/Kg-dry	10	6/9/2008
Cadmium	1.5	0.67		mg/Kg-dry	10	6/8/2008
Calcium	8300	810		mg/Kg-dry	100	6/6/2008
Chromium	9.4	1.3		mg/Kg-dry	10	6/8/2008
Cobalt	4.1	1.3		mg/Kg-dry	10	6/8/2008
Copper	100	3.4		mg/Kg-dry	10	6/8/2008
Iron	17000	40		mg/Kg-dry	10	6/8/2008
Lead	86	0.67		mg/Kg-dry	10	6/8/2008
Magnesium	900	400		mg/Kg-dry	100	6/6/2008
Manganese	84	1.3		mg/Kg-dry	10	6/8/2008
Nickel	54	1.3		mg/Kg-dry	10	6/8/2008
Potassium	380	40		mg/Kg-dry	10	6/8/2008
Selenium	1.7	1.3		mg/Kg-dry	10	6/8/2008
Silver	ND	1.3		mg/Kg-dry	10	6/8/2008
Sodium	ND	81		mg/Kg-dry	10	6/8/2008
Thallium	ND	1.3		mg/Kg-dry	10	6/8/2008
Vanadium	25	1.3		mg/Kg-dry	10	6/8/2008
Zinc	740	67		mg/Kg-dry	100	6/6/2008
Cyanide, Total	**SW9012A**			Prep Date: **6/4/2008**		Analyst: **KB**
Cyanide	1.4	0.36		mg/Kg-dry	1	6/6/2008
pH (25 °C)	**SW9045C**			Prep Date: **6/4/2008**		Analyst: **FD**
pH	7.4			pH Units	1	6/4/2008
Percent Moisture	**D2974**			Prep Date: **6/3/2008**		Analyst: **FD**
Percent Moisture	31.3	0.01	*	wt%	1	6/4/2008

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
HT - Sample received past holding time
* - Non-accredited parameter
RL - Reporting / Quantitation Limit for the analysis
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: July 11, 2008
Print Date: July 11, 2008

Client:	Illinois Environmental Protection Agency	**Client Sample ID:**	X102A
Lab Order:	08060097	**Tag Number:**	
Project:	PR50, 0971255020, North Chicago	**Collection Date:**	5/29/2008 11:50:00 AM
Lab ID:	08060097-002A	**Matrix:**	Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	**SW7471A**			Prep Date: **6/12/2008**		Analyst: **VA**
Mercury	0.44	0.026		mg/Kg-dry	1	6/12/2008
Metals by ICP/MS	**SW6020 (SW3050B)**			Prep Date: **6/6/2008**		Analyst: **JG**
Aluminum	3500	210		mg/Kg-dry	100	6/6/2008
Antimony	ND	2.1		mg/Kg-dry	10	6/8/2008
Arsenic	4.4	1.1		mg/Kg-dry	10	6/8/2008
Barium	47	1.1		mg/Kg-dry	10	6/8/2008
Beryllium	0.98	0.53		mg/Kg-dry	10	6/9/2008
Cadmium	3.2	0.53		mg/Kg-dry	10	6/8/2008
Calcium	59000	640		mg/Kg-dry	100	6/6/2008
Chromium	160	1.1		mg/Kg-dry	10	6/8/2008
Cobalt	370	1.1		mg/Kg-dry	10	6/8/2008
Copper	150	2.7		mg/Kg-dry	10	6/8/2008
Iron	15000	32		mg/Kg-dry	10	6/8/2008
Lead	100	0.53		mg/Kg-dry	10	6/8/2008
Magnesium	31000	320		mg/Kg-dry	100	6/6/2008
Manganese	260	1.1		mg/Kg-dry	10	6/8/2008
Nickel	21	1.1		mg/Kg-dry	10	6/8/2008
Potassium	680	32		mg/Kg-dry	10	6/8/2008
Selenium	1.1	1.1		mg/Kg-dry	10	6/8/2008
Silver	11	1.1		mg/Kg-dry	10	6/8/2008
Sodium	220	64		mg/Kg-dry	10	6/8/2008
Thallium	ND	1.1		mg/Kg-dry	10	6/8/2008
Vanadium	18	1.1		mg/Kg-dry	10	6/8/2008
Zinc	360	5.3		mg/Kg-dry	10	6/8/2008
Cyanide, Total	**SW9012A**			Prep Date: **6/4/2008**		Analyst: **KB**
Cyanide	ND	0.28		mg/Kg-dry	1	6/6/2008
pH (25 °C)	**SW9045C**			Prep Date: **6/4/2008**		Analyst: **FD**
pH	7.9			pH Units	1	6/4/2008
Percent Moisture	**D2974**			Prep Date: **6/3/2008**		Analyst: **FD**
Percent Moisture	9.5	0.01	*	wt%	1	6/4/2008

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Report Date: July 11, 2008
Print Date: July 11, 2008

Client:	Illinois Environmental Protection Agency	**Client Sample ID:**	X102B
Lab Order:	08060097	**Tag Number:**	
Project:	PR50, 0971255020, North Chicago	**Collection Date:**	5/29/2008 11:50:00 AM
Lab ID:	08060097-003A	**Matrix:**	Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	**SW7471A**			Prep Date: **6/12/2008**		Analyst: **VA**
Mercury	ND	0.028		mg/Kg-dry	1	6/12/2008
Metals by ICP/MS	**SW6020 (SW3050B)**			Prep Date: **6/6/2008**		Analyst: **JG**
Aluminum	4500	230		mg/Kg-dry	100	6/6/2008
Antimony	ND	2.3		mg/Kg-dry	10	6/8/2008
Arsenic	3.5	1.2		mg/Kg-dry	10	6/8/2008
Barium	48	1.2		mg/Kg-dry	10	6/8/2008
Beryllium	ND	0.58		mg/Kg-dry	10	6/9/2008
Cadmium	0.71	0.58		mg/Kg-dry	10	6/8/2008
Calcium	2200	700		mg/Kg-dry	100	6/6/2008
Chromium	8	1.2		mg/Kg-dry	10	6/8/2008
Cobalt	5.1	1.2		mg/Kg-dry	10	6/8/2008
Copper	85	2.9		mg/Kg-dry	10	6/8/2008
Iron	10000	35		mg/Kg-dry	10	6/8/2008
Lead	92	0.58		mg/Kg-dry	10	6/8/2008
Magnesium	1600	350		mg/Kg-dry	100	6/6/2008
Manganese	260	1.2		mg/Kg-dry	10	6/8/2008
Nickel	10	1.2		mg/Kg-dry	10	6/8/2008
Potassium	390	35		mg/Kg-dry	10	6/8/2008
Selenium	ND	1.2		mg/Kg-dry	10	6/8/2008
Silver	ND	1.2		mg/Kg-dry	10	6/8/2008
Sodium	250	70		mg/Kg-dry	10	6/8/2008
Thallium	ND	1.2		mg/Kg-dry	10	6/8/2008
Vanadium	17	1.2		mg/Kg-dry	10	6/8/2008
Zinc	400	5.8		mg/Kg-dry	10	6/8/2008
Cyanide, Total	**SW9012A**			Prep Date: **6/4/2008**		Analyst: **KB**
Cyanide	ND	0.3		mg/Kg-dry	1	6/6/2008
pH (25 °C)	**SW9045C**			Prep Date: **6/4/2008**		Analyst: **FD**
pH	7.5			pH Units	1	6/4/2008
Percent Moisture	**D2974**			Prep Date: **6/3/2008**		Analyst: **FD**
Percent Moisture	16.7	0.01	*	wt%	1	6/4/2008

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B - Analyte detected in the associated Method Blank
HT - Sample received past holding time
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Report Date: July 11, 2008
Print Date: July 11, 2008

Client:	Illinois Environmental Protection Agency	**Client Sample ID:**	X103
Lab Order:	08060097	**Tag Number:**	
Project:	PR50, 0971255020, North Chicago	**Collection Date:**	5/29/2008 2:00:00 PM
Lab ID:	08060097-004A	**Matrix:**	Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	**SW7471A**			Prep Date: **6/12/2008**		Analyst: **VA**
Mercury	0.35	0.027		mg/Kg-dry	1	6/12/2008
Metals by ICP/MS	**SW6020 (SW3050B)**			Prep Date: **6/6/2008**		Analyst: **JG**
Aluminum	2800	220		mg/Kg-dry	100	6/6/2008
Antimony	ND	2.2		mg/Kg-dry	10	6/8/2008
Arsenic	4.7	1.1		mg/Kg-dry	10	6/8/2008
Barium	35	1.1		mg/Kg-dry	10	6/8/2008
Beryllium	1.9	0.55		mg/Kg-dry	10	6/9/2008
Cadmium	6.5	0.55		mg/Kg-dry	10	6/8/2008
Calcium	29000	650		mg/Kg-dry	100	6/6/2008
Chromium	280	1.1		mg/Kg-dry	10	6/8/2008
Cobalt	590	1.1		mg/Kg-dry	10	6/8/2008
Copper	190	2.7		mg/Kg-dry	10	6/8/2008
Iron	24000	33		mg/Kg-dry	10	6/8/2008
Lead	74	0.55		mg/Kg-dry	10	6/8/2008
Magnesium	15000	330		mg/Kg-dry	100	6/6/2008
Manganese	310	1.1		mg/Kg-dry	10	6/8/2008
Nickel	33	1.1		mg/Kg-dry	10	6/8/2008
Potassium	510	33		mg/Kg-dry	10	6/8/2008
Selenium	ND	1.1		mg/Kg-dry	10	6/8/2008
Silver	33	1.1		mg/Kg-dry	10	6/8/2008
Sodium	190	65		mg/Kg-dry	10	6/8/2008
Thallium	ND	1.1		mg/Kg-dry	10	6/8/2008
Vanadium	17	1.1		mg/Kg-dry	10	6/8/2008
Zinc	380	55		mg/Kg-dry	100	6/6/2008
Cyanide, Total	**SW9012A**			Prep Date: **6/4/2008**		Analyst: **KB**
Cyanide	ND	0.28		mg/Kg-dry	1	6/6/2008
pH (25 °C)	**SW9045C**			Prep Date: **6/4/2008**		Analyst: **FD**
pH	8.2			pH Units	1	6/4/2008
Percent Moisture	**D2974**			Prep Date: **6/3/2008**		Analyst: **FD**
Percent Moisture	11.4	0.01	*	wt%	1	6/4/2008

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: July 11, 2008
Print Date: July 11, 2008

Client:	Illinois Environmental Protection Agency	**Client Sample ID:**	X104A
Lab Order:	08060097	**Tag Number:**	
Project:	PR50, 0971255020, North Chicago	**Collection Date:**	5/29/2008 3:20:00 PM
Lab ID:	08060097-005A	**Matrix:**	Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Mercury	**SW1311/7470A**			Prep Date: **6/13/2008**		Analyst: **VA**
Mercury	ND	0.00025		mg/L	1	6/13/2008
Mercury	**SW7471A**			Prep Date: **6/12/2008**		Analyst: **VA**
Mercury	0.21	0.027		mg/Kg-dry	1	6/12/2008
Metals by ICP/MS	**SW6020 (SW3050B)**			Prep Date: **6/6/2008**		Analyst: **JG**
Aluminum	6200	210		mg/Kg-dry	100	6/6/2008
Antimony	37	2.1		mg/Kg-dry	10	6/9/2008
Arsenic	18	1		mg/Kg-dry	10	6/8/2008
Barium	200	1		mg/Kg-dry	10	6/8/2008
Beryllium	0.72	0.52		mg/Kg-dry	10	6/9/2008
Cadmium	24	0.52		mg/Kg-dry	10	6/8/2008
Calcium	29000	620		mg/Kg-dry	100	6/6/2008
Chromium	11	1		mg/Kg-dry	10	6/8/2008
Cobalt	9.1	1		mg/Kg-dry	10	6/8/2008
Copper	7600	130		mg/Kg-dry	500	6/8/2008
Iron	22000	31		mg/Kg-dry	10	6/8/2008
Lead	2900	0.52		mg/Kg-dry	10	6/8/2008
Magnesium	14000	310		mg/Kg-dry	100	6/6/2008
Manganese	1000	10		mg/Kg-dry	100	6/6/2008
Nickel	41	1		mg/Kg-dry	10	6/8/2008
Potassium	710	31		mg/Kg-dry	10	6/8/2008
Selenium	ND	1		mg/Kg-dry	10	6/8/2008
Silver	2.2	1		mg/Kg-dry	10	6/8/2008
Sodium	510	62		mg/Kg-dry	10	6/8/2008
Thallium	ND	1		mg/Kg-dry	10	6/8/2008
Vanadium	19	1		mg/Kg-dry	10	6/8/2008
Zinc	17000	260		mg/Kg-dry	500	6/8/2008
TCLP Metals by ICP/MS	**SW1311/6020 (SW3005A)**			Prep Date: **6/16/2008**		Analyst: **JG**
Arsenic	ND	0.01		mg/L	5	6/16/2008
Barium	1.3	0.01		mg/L	5	6/16/2008
Cadmium	0.43	0.005		mg/L	5	6/16/2008
Chromium	ND	0.01		mg/L	5	6/16/2008
Lead	20	0.005		mg/L	5	6/16/2008
Selenium	ND	0.01		mg/L	5	6/16/2008
Silver	ND	0.01		mg/L	5	6/16/2008
Cyanide, Total	**SW9012A**			Prep Date: **6/4/2008**		Analyst: **KB**
Cyanide	ND	0.28		mg/Kg-dry	1	6/6/2008

Qualifiers:
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* - Non-accredited parameter
RL - Reporting / Quantitation Limit for the analysis
S - Spike Recovery outside accepted recovery limits
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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: July 11, 2008
Print Date: July 11, 2008

Client:	Illinois Environmental Protection Agency	**Client Sample ID:**	X104A
Lab Order:	08060097	**Tag Number:**	
Project:	PR50, 0971255020, North Chicago	**Collection Date:**	5/29/2008 3:20:00 PM
Lab ID:	08060097-005A	**Matrix:**	Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
pH (25 °C)	**SW9045C**			Prep Date: **6/4/2008**		Analyst: **FD**
pH	7.9			pH Units	1	6/4/2008
Percent Moisture	**D2974**			Prep Date: **6/3/2008**		Analyst: **FD**
Percent Moisture	9.8	0.01	*	wt%	1	6/4/2008

Qualifiers:

ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
HT - Sample received past holding time	E - Value above quantitation range
* - Non-accredited parameter	H - Holding time exceeded

STAT Analysis Corporation
2242 West Harrison St., Suite 200, Chicago, IL 60612-3766
Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com
Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: July 11, 2008
Print Date: July 11, 2008

Client:	Illinois Environmental Protection Agency	**Client Sample ID:**	X104B
Lab Order:	08060097	**Tag Number:**	
Project:	PR50, 0971255020, North Chicago	**Collection Date:**	5/29/2008 3:20:00 PM
Lab ID:	08060097-006A	**Matrix:**	Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	**SW7471A**			Prep Date: **6/12/2008**		Analyst: **VA**
Mercury	ND	0.025		mg/Kg-dry	1	6/12/2008
Metals by ICP/MS	**SW6020 (SW3050B)**			Prep Date: **6/6/2008**		Analyst: **JG**
Aluminum	3000	200		mg/Kg-dry	100	6/6/2008
Antimony	ND	2		mg/Kg-dry	10	6/8/2008
Arsenic	5.5	1		mg/Kg-dry	10	6/8/2008
Barium	9.5	1		mg/Kg-dry	10	6/8/2008
Beryllium	ND	0.5		mg/Kg-dry	10	6/9/2008
Cadmium	ND	0.5		mg/Kg-dry	10	6/8/2008
Calcium	78000	600		mg/Kg-dry	100	6/6/2008
Chromium	6.5	1		mg/Kg-dry	10	6/8/2008
Cobalt	5.1	1		mg/Kg-dry	10	6/8/2008
Copper	17	2.5		mg/Kg-dry	10	6/8/2008
Iron	12000	30		mg/Kg-dry	10	6/8/2008
Lead	9.5	0.5		mg/Kg-dry	10	6/8/2008
Magnesium	40000	300		mg/Kg-dry	100	6/6/2008
Manganese	460	1		mg/Kg-dry	10	6/8/2008
Nickel	13	1		mg/Kg-dry	10	6/8/2008
Potassium	670	30		mg/Kg-dry	10	6/8/2008
Selenium	ND	1		mg/Kg-dry	10	6/8/2008
Silver	ND	1		mg/Kg-dry	10	6/8/2008
Sodium	140	60		mg/Kg-dry	10	6/8/2008
Thallium	ND	1		mg/Kg-dry	10	6/8/2008
Vanadium	12	1		mg/Kg-dry	10	6/8/2008
Zinc	62	5		mg/Kg-dry	10	6/8/2008
Cyanide, Total	**SW9012A**			Prep Date: **6/4/2008**		Analyst: **KB**
Cyanide	0.33	0.26		mg/Kg-dry	1	6/6/2008
pH (25 °C)	**SW9045C**			Prep Date: **6/4/2008**		Analyst: **FD**
pH	8.4			pH Units	1	6/4/2008
Percent Moisture	**D2974**			Prep Date: **6/3/2008**		Analyst: **FD**
Percent Moisture	5.2	0.01	*	wt%	1	6/4/2008

Qualifiers:

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B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
HT - Sample received past holding time	E - Value above quantitation range
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Report Date: July 11, 2008
Print Date: July 11, 2008

Client:	Illinois Environmental Protection Agency	**Client Sample ID:**	X106
Lab Order:	08060097	**Tag Number:**	
Project:	PR50, 0971255020, North Chicago	**Collection Date:**	5/28/2008 5:00:00 PM
Lab ID:	08060097-007A	**Matrix:**	Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	**SW7471A**			Prep Date: **6/12/2008**		Analyst: **VA**
Mercury	ND	0.027		mg/Kg-dry	1	6/12/2008
Metals by ICP/MS	**SW6020 (SW3050B)**			Prep Date: **6/6/2008**		Analyst: **JG**
Aluminum	3200	210		mg/Kg-dry	100	6/6/2008
Antimony	ND	2.1		mg/Kg-dry	10	6/8/2008
Arsenic	4.3	1.1		mg/Kg-dry	10	6/8/2008
Barium	26	1.1		mg/Kg-dry	10	6/8/2008
Beryllium	ND	0.53		mg/Kg-dry	10	6/8/2008
Cadmium	ND	0.53		mg/Kg-dry	10	6/8/2008
Calcium	45000	640		mg/Kg-dry	100	6/6/2008
Chromium	9.7	1.1		mg/Kg-dry	10	6/8/2008
Cobalt	7.8	1.1		mg/Kg-dry	10	6/8/2008
Copper	21	2.6		mg/Kg-dry	10	6/8/2008
Iron	9800	32		mg/Kg-dry	10	6/8/2008
Lead	15	0.53		mg/Kg-dry	10	6/8/2008
Magnesium	24000	320		mg/Kg-dry	100	6/6/2008
Manganese	320	1.1		mg/Kg-dry	10	6/8/2008
Nickel	11	1.1		mg/Kg-dry	10	6/8/2008
Potassium	550	32		mg/Kg-dry	10	6/8/2008
Selenium	ND	1.1		mg/Kg-dry	10	6/8/2008
Silver	ND	1.1		mg/Kg-dry	10	6/8/2008
Sodium	78	64		mg/Kg-dry	10	6/8/2008
Thallium	ND	1.1		mg/Kg-dry	10	6/8/2008
Vanadium	13	1.1		mg/Kg-dry	10	6/8/2008
Zinc	88	5.3		mg/Kg-dry	10	6/8/2008
Cyanide, Total	**SW9012A**			Prep Date: **6/4/2008**		Analyst: **KB**
Cyanide	0.44	0.28		mg/Kg-dry	1	6/6/2008
pH (25 °C)	**SW9045C**			Prep Date: **6/4/2008**		Analyst: **FD**
pH	9.1			pH Units	1	6/4/2008
Percent Moisture	**D2974**			Prep Date: **6/3/2008**		Analyst: **FD**
Percent Moisture	10.3	0.01	*	wt%	1	6/4/2008

Qualifiers:

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B - Analyte detected in the associated Method Blank
HT - Sample received past holding time
* - Non-accredited parameter
RL - Reporting / Quantitation Limit for the analysis
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
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Report Date: July 11, 2008
Print Date: July 11, 2008

Client:	Illinois Environmental Protection Agency	**Client Sample ID:**	X107
Lab Order:	08060097	**Tag Number:**	
Project:	PR50, 0971255020, North Chicago	**Collection Date:**	5/28/2008 10:45:00 AM
Lab ID:	08060097-008A	**Matrix:**	Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	**SW7471A**			Prep Date: **6/12/2008**		Analyst: **VA**
Mercury	ND	0.03		mg/Kg-dry	1	6/12/2008
Metals by ICP/MS	**SW6020 (SW3050B)**			Prep Date: **6/6/2008**		Analyst: **JG**
Aluminum	5200	220		mg/Kg-dry	100	6/6/2008
Antimony	ND	2.2		mg/Kg-dry	10	6/8/2008
Arsenic	5.9	1.1		mg/Kg-dry	10	6/8/2008
Barium	63	1.1		mg/Kg-dry	10	6/8/2008
Beryllium	ND	0.56		mg/Kg-dry	10	6/8/2008
Cadmium	0.63	0.56		mg/Kg-dry	10	6/8/2008
Calcium	39000	670		mg/Kg-dry	100	6/6/2008
Chromium	14	1.1		mg/Kg-dry	10	6/8/2008
Cobalt	8.9	1.1		mg/Kg-dry	10	6/8/2008
Copper	33	2.8		mg/Kg-dry	10	6/8/2008
Iron	11000	33		mg/Kg-dry	10	6/8/2008
Lead	59	0.56		mg/Kg-dry	10	6/8/2008
Magnesium	22000	330		mg/Kg-dry	100	6/6/2008
Manganese	390	1.1		mg/Kg-dry	10	6/8/2008
Nickel	16	1.1		mg/Kg-dry	10	6/8/2008
Potassium	1100	33		mg/Kg-dry	10	6/8/2008
Selenium	ND	1.1		mg/Kg-dry	10	6/8/2008
Silver	ND	1.1		mg/Kg-dry	10	6/8/2008
Sodium	150	67		mg/Kg-dry	10	6/8/2008
Thallium	ND	1.1		mg/Kg-dry	10	6/8/2008
Vanadium	18	1.1		mg/Kg-dry	10	6/8/2008
Zinc	160	5.6		mg/Kg-dry	10	6/8/2008
Cyanide, Total	**SW9012A**			Prep Date: **6/4/2008**		Analyst: **KB**
Cyanide	ND	0.3		mg/Kg-dry	1	6/6/2008
pH (25 °C)	**SW9045C**			Prep Date: **6/4/2008**		Analyst: **FD**
pH	7.8			pH Units	1	6/4/2008
Percent Moisture	**D2974**			Prep Date: **6/3/2008**		Analyst: **FD**
Percent Moisture	17.2	0.01	*	wt%	1	6/4/2008

Qualifiers:

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B - Analyte detected in the associated Method Blank
HT - Sample received past holding time
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Report Date: July 11, 2008
Print Date: July 11, 2008

Client:	Illinois Environmental Protection Agency	**Client Sample ID:**	X108
Lab Order:	08060097	**Tag Number:**	
Project:	PR50, 0971255020, North Chicago	**Collection Date:**	5/28/2008 12:30:00 PM
Lab ID:	08060097-009A	**Matrix:**	Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	**SW7471A**			Prep Date: **6/12/2008**		Analyst: **VA**
Mercury	ND	0.03		mg/Kg-dry	1	6/12/2008
Metals by ICP/MS	**SW6020 (SW3050B)**			Prep Date: **6/6/2008**		Analyst: **JG**
Aluminum	7000	220		mg/Kg-dry	100	6/6/2008
Antimony	ND	2.2		mg/Kg-dry	10	6/8/2008
Arsenic	6.7	1.1		mg/Kg-dry	10	6/8/2008
Barium	34	1.1		mg/Kg-dry	10	6/8/2008
Beryllium	0.64	0.55		mg/Kg-dry	10	6/8/2008
Cadmium	ND	0.55		mg/Kg-dry	10	6/8/2008
Calcium	ND	660		mg/Kg-dry	100	6/6/2008
Chromium	14	1.1		mg/Kg-dry	10	6/8/2008
Cobalt	4.5	1.1		mg/Kg-dry	10	6/8/2008
Copper	22	2.8		mg/Kg-dry	10	6/8/2008
Iron	16000	33		mg/Kg-dry	10	6/8/2008
Lead	9	0.55		mg/Kg-dry	10	6/8/2008
Magnesium	1700	330		mg/Kg-dry	100	6/6/2008
Manganese	290	1.1		mg/Kg-dry	10	6/8/2008
Nickel	16	1.1		mg/Kg-dry	10	6/8/2008
Potassium	900	33		mg/Kg-dry	10	6/8/2008
Selenium	ND	1.1		mg/Kg-dry	10	6/8/2008
Silver	ND	1.1		mg/Kg-dry	10	6/8/2008
Sodium	ND	66		mg/Kg-dry	10	6/8/2008
Thallium	ND	1.1		mg/Kg-dry	10	6/8/2008
Vanadium	22	1.1		mg/Kg-dry	10	6/8/2008
Zinc	110	5.5		mg/Kg-dry	10	6/8/2008
Cyanide, Total	**SW9012A**			Prep Date: **6/4/2008**		Analyst: **KB**
Cyanide	0.47	0.3		mg/Kg-dry	1	6/6/2008
pH (25 °C)	**SW9045C**			Prep Date: **6/4/2008**		Analyst: **FD**
pH	6.3			pH Units	1	6/4/2008
Percent Moisture	**D2974**			Prep Date: **6/3/2008**		Analyst: **FD**
Percent Moisture	16.7	0.01	*	wt%	1	6/4/2008

Qualifiers:

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B - Analyte detected in the associated Method Blank
HT - Sample received past holding time
* - Non-accredited parameter

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Report Date: July 11, 2008
Print Date: July 11, 2008

Client:	Illinois Environmental Protection Agency	**Client Sample ID:**	X126
Lab Order:	08060097	**Tag Number:**	
Project:	PR50, 0971255020, North Chicago	**Collection Date:**	5/29/2008 4:50:00 PM
Lab ID:	08060097-010A	**Matrix:**	Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	**SW7471A**			Prep Date: **6/12/2008**		Analyst: **VA**
Mercury	0.34	0.032		mg/Kg-dry	1	6/12/2008
Metals by ICP/MS	**SW6020 (SW3050B)**			Prep Date: **6/6/2008**		Analyst: **JG**
Aluminum	9200	240		mg/Kg-dry	100	6/6/2008
Antimony	2.8	2.4		mg/Kg-dry	10	6/9/2008
Arsenic	12	1.2		mg/Kg-dry	10	6/8/2008
Barium	240	1.2		mg/Kg-dry	10	6/8/2008
Beryllium	1.2	0.59		mg/Kg-dry	10	6/8/2008
Cadmium	9.1	0.59		mg/Kg-dry	10	6/8/2008
Calcium	23000	710		mg/Kg-dry	100	6/6/2008
Chromium	110	1.2		mg/Kg-dry	10	6/8/2008
Cobalt	39	1.2		mg/Kg-dry	10	6/8/2008
Copper	460	3		mg/Kg-dry	10	6/8/2008
Iron	24000	36		mg/Kg-dry	10	6/8/2008
Lead	750	0.59		mg/Kg-dry	10	6/8/2008
Magnesium	15000	360		mg/Kg-dry	100	6/6/2008
Manganese	440	1.2		mg/Kg-dry	10	6/8/2008
Nickel	32	1.2		mg/Kg-dry	10	6/8/2008
Potassium	1200	36		mg/Kg-dry	10	6/8/2008
Selenium	2.2	1.2		mg/Kg-dry	10	6/8/2008
Silver	ND	1.2		mg/Kg-dry	10	6/8/2008
Sodium	140	71		mg/Kg-dry	10	6/8/2008
Thallium	ND	1.2		mg/Kg-dry	10	6/8/2008
Vanadium	26	1.2		mg/Kg-dry	10	6/8/2008
Zinc	2800	59		mg/Kg-dry	100	6/6/2008
Cyanide, Total	**SW9012A**			Prep Date: **6/4/2008**		Analyst: **KB**
Cyanide	0.91	0.33		mg/Kg-dry	1	6/6/2008
pH (25 °C)	**SW9045C**			Prep Date: **6/4/2008**		Analyst: **FD**
pH	7.8			pH Units	1	6/4/2008
Percent Moisture	**D2974**			Prep Date: **6/3/2008**		Analyst: **FD**
Percent Moisture	23.3	0.01	*	wt%	1	6/4/2008

Qualifiers:

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B - Analyte detected in the associated Method Blank
HT - Sample received past holding time
* - Non-accredited parameter

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Report Date: July 11, 2008
Print Date: July 11, 2008

Client:	Illinois Environmental Protection Agency	**Client Sample ID:**	X176
Lab Order:	08060097	**Tag Number:**	
Project:	PR50, 0971255020, North Chicago	**Collection Date:**	5/29/2008 4:50:00 PM
Lab ID:	08060097-011A	**Matrix:**	Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	**SW7471A**			Prep Date: **6/12/2008**		Analyst: **VA**
Mercury	0.99	0.061		mg/Kg-dry	2	6/12/2008
Metals by ICP/MS	**SW6020 (SW3050B)**			Prep Date: **6/6/2008**		Analyst: **JG**
Aluminum	9200	260		mg/Kg-dry	100	6/6/2008
Antimony	3.2	2.6		mg/Kg-dry	10	6/9/2008
Arsenic	13	1.3		mg/Kg-dry	10	6/8/2008
Barium	310	1.3		mg/Kg-dry	10	6/8/2008
Beryllium	1.1	0.64		mg/Kg-dry	10	6/9/2008
Cadmium	12	0.64		mg/Kg-dry	10	6/8/2008
Calcium	22000	770		mg/Kg-dry	100	6/6/2008
Chromium	130	1.3		mg/Kg-dry	10	6/8/2008
Cobalt	41	1.3		mg/Kg-dry	10	6/8/2008
Copper	570	3.2		mg/Kg-dry	10	6/8/2008
Iron	26000	38		mg/Kg-dry	10	6/8/2008
Lead	910	0.64		mg/Kg-dry	10	6/8/2008
Magnesium	14000	380		mg/Kg-dry	100	6/6/2008
Manganese	480	1.3		mg/Kg-dry	10	6/8/2008
Nickel	36	1.3		mg/Kg-dry	10	6/8/2008
Potassium	1100	38		mg/Kg-dry	10	6/8/2008
Selenium	3.3	1.3		mg/Kg-dry	10	6/8/2008
Silver	1.6	1.3		mg/Kg-dry	10	6/8/2008
Sodium	110	77		mg/Kg-dry	10	6/8/2008
Thallium	ND	1.3		mg/Kg-dry	10	6/8/2008
Vanadium	28	1.3		mg/Kg-dry	10	6/8/2008
Zinc	3000	64		mg/Kg-dry	100	6/6/2008
Cyanide, Total	**SW9012A**			Prep Date: **6/4/2008**		Analyst: **KB**
Cyanide	0.98	0.33		mg/Kg-dry	1	6/6/2008
pH (25 °C)	**SW9045C**			Prep Date: **6/4/2008**		Analyst: **FD**
pH	7.8			pH Units	1	6/4/2008
Percent Moisture	**D2974**			Prep Date: **6/3/2008**		Analyst: **FD**
Percent Moisture	23.7	0.01	*	wt%	1	6/4/2008

Qualifiers:

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J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
HT - Sample received past holding time
* - Non-accredited parameter
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R - RPD outside accepted recovery limits
E - Value above quantitation range
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Report Date: July 11, 2008
Print Date: July 11, 2008

Client:	Illinois Environmental Protection Agency	**Client Sample ID:**	X-101
Lab Order:	08060097	**Tag Number:**	
Project:	PR50, 0971255020, North Chicago	**Collection Date:**	5/29/2008 11:00:00 AM
Lab ID:	08060097-012A	**Matrix:**	Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Organic Carbon Content	**D2974**			Prep Date: **6/11/2008**		Analyst: **FD**
Organic Carbon Content	2.4	0.01	*	wt%	1	6/12/2008

Qualifiers:

ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
HT - Sample received past holding time	E - Value above quantitation range
* - Non-accredited parameter	H - Holding time exceeded

Illinois Environmental Protection Agency Chain of Custody

Preservative Codes	Container Description: Soil	Container Description: Aqueous
1. None		
2. VOA - HCl	VOC - 2 oz. glass (2)	VOC - 40 mL glass (3)
3. Metals - HNO3	SVOC - 8 oz. glass (1)	SVOC, Pest/PCB - 40 oz amber glass (1)*
4. Cyanide - NaOH	Pest/PCB - 8 oz. glass (1)	Inorganics - 1 qt. plastic (1)
5. Other.	Inorganics - 16 oz. glass (1)	* duplicate 1 out of 10
6. Other		

Fund:	LPC#:	Locality:	Cooler Initially Sealed By:	Date Initially Sealed
PR50	0971255020		[illegible]	5-24-08
Section:	Site Name: North Chicago	Project Manager: Jim Salch	Phone Number: 217-785-8726	Initial Cooler Seal #: 039

(a.k.a Chemical Packing)

Lab Sample No.	Total Metals	Cyanide	Hg	TCLP	pH			Field Sample Number	Matrix	No. of Bottles	Date Collected	Time Collected (24 hr clock)	Sampler's Initials	Special Notations	Legal Hold Y or N
001	X	X	X		X			X101	Soil	1	5-29-08	1100	JA		
002	X	X	X		X			X102A		1	5-29-08	1150	JA		
003	X	X	X		X			X102B		1	5-29-08	1150	JA		
004	X	X	X		X			X103		1	5-29-08	1400	JA		
005	X	X	X	X	X			X104A		2	5-29-08	1520	JA		
006	X	X	X		X			X104B		1	5-29-08	1520	JA		
007	X	X	X		X			X106		1	5-28-08	1700	JA		
008	X	X	X		X			X107		1	5-28-08	1045	JA		
009	X	X	X		X			X108		1	5-28-08	1230	JA		
010	X	X	X		X			X126		1	5-29-08	1650	JA		
011	X	X	X		X			X176		1	5-29-08	1650	JA		

Opener: I certify that I received the sample shipping container with the shipping container sealed and intact.

Cooler Opened by:	Seal No:	Date:	Time:	Intact
Tony Wasilewski	039	5-29-08	1610	Y-N
[signature]		5/30/08	1000	Y-N

I certify that I received the cooler containing the above samples with the seal(s) intact.

Received for Lab by:	Seal No:	Date:	Time:	Intact:
[signature]		5/30/08	1000	Y-N

Lab Comments: 08060097

Supervisor Releasing Results: Date:

Sealer: I certify that the samples listed above were collected in my presence and sealed by me.

Cooler Sealed By:	Seal No.:	Date:	Time:
Tony Wasilewski	042	5-29-08	1717

Sample Courier: UPS

Turnaround Time Requested: 30 Days

Samplers: Jim Salch

STAT Analysis Corporation

Sample Receipt Checklist

Client Name IEPA

Date and Time Received: 5/30/2008 10:00:00 AM

Work Order Number 08060097

Received by: CDF

Checklist completed by: Signature 6/3/08 Date

Reviewed by: CR Initials 7/11/08 Date

Matrix:

Carrier name: UPS

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/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 ☐	
Container or Temp Blank temperature in compliance?	Yes ☑	No ☐	Temperature 2.6 °C
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☐	No ☐
Water - Samples pH checked?	Yes ☐	No ☐	Checked by:
Water - Samples properly preserved?	Yes ☐	No ☐	pH Adjusted?

Any No response must be detailed in the comments section below.

Comments: Extra 8oz jar received for X-101. Logged in for FOC analyses per Jim S. email. Information taken from label on jar. CR 6/11/08

Client / Person contacted: Jim S. Date contacted: 6/11/08 Contacted by: CR - email

Response.

Christiane Schmidt-Lange 08060097

From: Salch, Jim [Jim.Salch@Illinois.gov]
Sent: Wednesday, June 11, 2008 9:30 AM
To: Christiane Schmidt-Lange
Subject: RE: PR50, 0971255020, North Chicago

CX01

Reviewing one of the Chain of Custody forms I noticed that there was no FOC analysis listed for sample number X-101 collected on 5-29-08. I know that we collected a sample and was wondering if maybe our chain of custody person shipped it but forgot to list it on the chain of custody form. Is there any chance you would be able to check that out for me? I know it would have had FOC written on the top of the jar.

Thanks for you help!

STAT Analysis Corporation

PREP BATCH REPORT

Prep Start Date: **6/6/2008 12:20:00 P**
Prep End Date: **6/6/2008 3:20:00 PM**

Prep Batch **35548** Prep Code: **M_S_PREP** Technician: **PN**

Prep Factor Units: **mL / g**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
IMBS1 6/6/08			1	0	0	50	50.000	6/6/2008	6/6/2008
ILCSS1 6/6/08			1	0	0	50	50.000	6/6/2008	6/6/2008
08050994-001B	Soil		1.019	0	0	50	49.068	6/6/2008	6/6/2008
08050994-002B	Soil		1.074	0	0	50	46.555	6/6/2008	6/6/2008
08050994-003B	Soil		1.034	0	0	50	48.356	6/6/2008	6/6/2008
08050994-004B	Soil		1.011	0	0	50	49.456	6/6/2008	6/6/2008
08060097-001A	Soil		1.084	0	0	50	46.125	6/6/2008	6/6/2008
08060097-002A	Soil		1.042	0	0	50	47.985	6/6/2008	6/6/2008
08060097-003A	Soil		1.029	0	0	50	48.591	6/6/2008	6/6/2008
08060097-004A	Soil		1.034	0	0	50	48.356	6/6/2008	6/6/2008
08060097-005A	Soil		1.071	0	0	50	46.685	6/6/2008	6/6/2008
08060097-006A	Soil		1.059	0	0	50	47.214	6/6/2008	6/6/2008
08060097-007A	Soil		1.053	0	0	50	47.483	6/6/2008	6/6/2008
08060097-008A	Soil		1.083	0	0	50	46.168	6/6/2008	6/6/2008
08060097-009A	Soil		1.091	0	0	50	45.830	6/6/2008	6/6/2008
08060097-010A	Soil		1.097	0	0	50	45.579	6/6/2008	6/6/2008
08060097-011A	Soil		1.024	0	0	50	48.828	6/6/2008	6/6/2008
08060136-001A	Solid		1.082	0	0	50	46.211	6/6/2008	6/6/2008
08060136-002A	Solid		1.038	0	0	50	48.170	6/6/2008	6/6/2008
08060154-003B	Soil		1.013	0	0	50	49.358	6/6/2008	6/6/2008
08060154-004A	Soil		1.037	0	0	50	48.216	6/6/2008	6/6/2008
08060095-001A	Soil		1.074	0	0	50	46.555	6/6/2008	6/6/2008
08060154-004AMS	Soil		1.041	0	0	50	48.031	6/6/2008	6/6/2008
08060154-004AMSD	Soil		1.036	0	0	50	48.263	6/6/2008	6/6/2008

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060097
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: 35548

Sample ID: **IMBS1 6/6/08** SampType: **MBLK** TestCode: **M_ICPMS_S** Units: **mg/Kg** Prep Date: **6/6/2008** Run ID: **ICPMS-2_080606A**
Client ID: **ZZZZZ** Batch ID: **35548** TestNo: **SW6020** Analysis Date: **6/6/2008** SeqNo: **1148068**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	10									
Arsenic	ND	0.50									
Barium	ND	0.50									
Cadmium	ND	0.25									
Calcium	ND	30									
Chromium	ND	0.50									
Copper	ND	1.2									
Iron	ND	15									
Lead	ND	0.25									
Magnesium	ND	15									
Manganese	ND	0.50									
Nickel	ND	0.50									
Potassium	ND	15									
Selenium	ND	0.50									
Silver	ND	0.50									
Sodium	24.5	30									J
Vanadium	ND	0.50									
Zinc	ND	2.5									

Sample ID: **IMBS1 6/6/08** SampType: **MBLK** TestCode: **M_ICPMS_S** Units: **mg/Kg** Prep Date: **6/6/2008** Run ID: **ICPMS-2_080608A**
Client ID: **ZZZZZ** Batch ID: **35548** TestNo: **SW6020** Analysis Date: **6/8/2008** SeqNo: **1148225**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cobalt	ND	0.50									
Thallium	0.0645	0.50									J

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded
B - Analyte detected in the associated Method Blank
E - Value above quantitation range

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060097
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: 35548

Sample ID: **IMBS1 6/6/08** SampType: **MBLK** TestCode: **M_ICPMS_S** Units: **mg/Kg** Prep Date: **6/6/2008** Run ID: **ICPMS-2_080609A**
Client ID: ZZZZZ Batch ID: **35548** TestNo: **SW6020** Analysis Date: **6/9/2008** SeqNo: **1148708**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.9605	1.0									J
Beryllium	0.0805	0.25									J

Sample ID: **ILCSS1 6/6/08** SampType: **LCS** TestCode: **M_ICPMS_S** Units: **mg/Kg** Prep Date: **6/6/2008** Run ID: **ICPMS-2_080606A**
Client ID: ZZZZZ Batch ID: **35548** TestNo: **SW6020** Analysis Date: **6/6/2008** SeqNo: **1148069**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	26.98	10	25	0	108	80	120	0	0		
Arsenic	24.78	0.50	25	0	99.1	80	120	0	0		
Barium	25.8	0.50	25	0	103	80	120	0	0		
Cadmium	25.41	0.25	25	0	102	80	120	0	0		
Calcium	101.9	30	100	0	102	80	120	0	0		
Chromium	27.56	0.50	25	0	110	80	120	0	0		
Copper	26.55	1.2	25	0	106	80	120	0	0		
Iron	105	15	100	0	105	80	120	0	0		
Lead	25.77	0.25	25	0	103	80	120	0	0		
Magnesium	106.3	15	100	0	106	80	120	0	0		
Manganese	26.26	0.50	25	0	105	80	120	0	0		
Nickel	26.46	0.50	25	0	106	80	120	0	0		
Potassium	111	15	100	0	111	80	120	0	0		
Selenium	24.56	0.50	25	0	98.3	80	120	0	0		
Silver	10.23	0.50	10	0	102	80	120	0	0		
Sodium	139.9	30	100	24.5	115	80	120	0	0		
Vanadium	26.38	0.50	25	0	106	80	120	0	0		
Zinc	26.23	2.5	25	0	105	80	120	0	0		

Sample ID: **ILCSS1 6/6/08** SampType: **LCS** TestCode: **M_ICPMS_S** Units: **mg/Kg** Prep Date: **6/6/2008** Run ID: **ICPMS-2_080608A**
Client ID: ZZZZZ Batch ID: **35548** TestNo: **SW6020** Analysis Date: **6/8/2008** SeqNo: **1148226**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cobalt	28.32	0.50	25	0	113	80	120	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded
B - Analyte detected in the associated Method Blank
E - Value above quantitation range

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060097
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: 35548

Sample ID: **ILCSS1 6/6/08** SampType: **LCS** TestCode: **M_ICPMS_S** Units: **mg/Kg** Prep Date: **6/6/2008** Run ID: **ICPMS-2_080608A**
Client ID: **ZZZZZ** Batch ID: **35548** TestNo: **SW6020** Analysis Date: **6/8/2008** SeqNo: **1148226**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Thallium	26.68	0.50	25	0.0645	106	80	120	0	0		

Sample ID: **ILCSS1 6/6/08** SampType: **LCS** TestCode: **M_ICPMS_S** Units: **mg/Kg** Prep Date: **6/6/2008** Run ID: **ICPMS-2_080609A**
Client ID: **ZZZZZ** Batch ID: **35548** TestNo: **SW6020** Analysis Date: **6/9/2008** SeqNo: **1148709**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	20.28	1.0	12.5	0.9605	155	80	120	0	0		S
Beryllium	26.32	0.25	25	0.0805	105	80	120	0	0		

Sample ID: **08060154-004AMS** SampType: **MS** TestCode: **M_ICPMS_S** Units: **mg/Kg-dry** Prep Date: **6/6/2008** Run ID: **ICPMS-2_080606A**
Client ID: **ZZZZZ** Batch ID: **35548** TestNo: **SW6020** Analysis Date: **6/6/2008** SeqNo: **1148072**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	805.7	210	25.91	794.8	42.2	75	125	0	0		S

Sample ID: **08060154-004AMS** SampType: **MS** TestCode: **M_ICPMS_S** Units: **mg/Kg-dry** Prep Date: **6/6/2008** Run ID: **ICPMS-2_080608A**
Client ID: **ZZZZZ** Batch ID: **35548** TestNo: **SW6020** Analysis Date: **6/8/2008** SeqNo: **1148232**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	30.13	1.0	25.91	1.128	112	75	125	0	0		
Barium	40.18	1.0	25.91	11.46	111	75	125	0	0		
Cadmium	29.88	0.52	25.91	0	115	75	125	0	0		
Calcium	1460	62	103.6	1406	51.8	75	125	0	0		S
Chromium	41.96	1.0	25.91	10.49	121	75	125	0	0		
Cobalt	31.92	1.0	25.91	0.3381	122	75	125	0	0		
Copper	37.27	2.6	25.91	7.599	115	75	125	0	0		
Iron	5948	31	103.6	6564	-594	75	125	0	0		S
Lead	37.25	0.52	25.91	9.373	108	75	125	0	0		
Magnesium	776.2	31	103.6	639.8	132	75	125	0	0		S
Manganese	162.6	1.0	25.91	132.9	114	75	125	0	0		
Nickel	33.33	1.0	25.91	3.684	114	75	125	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded
B - Analyte detected in the associated Method Blank
E - Value above quantitation range

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060097
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: 35548

Sample ID: **08060154-004AMS** SampType: **MS** TestCode: **M_ICPMS_S** Units: **mg/Kg-dry** Prep Date: **6/6/2008** Run ID: **ICPMS-2_080608A**
Client ID: **ZZZZZ** Batch ID: **35548** TestNo: **SW6020** Analysis Date: **6/8/2008** SeqNo: **1148232**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Potassium	243	31	103.6	138.5	101	75	125	0	0		
Selenium	29.61	1.0	25.91	0	114	75	125	0	0		
Silver	11.58	1.0	10.36	0	112	75	125	0	0		
Sodium	404.5	62	103.6	305.7	95.3	75	125	0	0		
Thallium	29.03	1.0	25.91	0.1659	111	75	125	0	0		
Vanadium	32.36	1.0	25.91	1.398	120	75	125	0	0		
Zinc	42.19	5.2	25.91	15.26	104	75	125	0	0		

Sample ID: **08060154-004AMS** SampType: **MS** TestCode: **M_ICPMS_S** Units: **mg/Kg-dry** Prep Date: **6/6/2008** Run ID: **ICPMS-2_080609A**
Client ID: **ZZZZZ** Batch ID: **35548** TestNo: **SW6020** Analysis Date: **6/9/2008** SeqNo: **1148712**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	7.306	2.1	12.95	0	56.4	75	125	0	0		S
Beryllium	27.13	0.52	25.91	0.2231	104	75	125	0	0		

Sample ID: **08060154-004AMSD** SampType: **MSD** TestCode: **M_ICPMS_S** Units: **mg/Kg-dry** Prep Date: **6/6/2008** Run ID: **ICPMS-2_080606A**
Client ID: **ZZZZZ** Batch ID: **35548** TestNo: **SW6020** Analysis Date: **6/6/2008** SeqNo: **1148073**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	1016	210	26.03	794.8	851	75	125	805.7	23.1	20	SR

Sample ID: **08060154-004AMSD** SampType: **MSD** TestCode: **M_ICPMS_S** Units: **mg/Kg-dry** Prep Date: **6/6/2008** Run ID: **ICPMS-2_080608A**
Client ID: **ZZZZZ** Batch ID: **35548** TestNo: **SW6020** Analysis Date: **6/8/2008** SeqNo: **1148233**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	30.61	1.0	26.03	1.128	113	75	125	30.13	1.56	20	
Barium	41.09	1.0	26.03	11.46	114	75	125	40.18	2.23	20	
Cadmium	30.44	0.52	26.03	0	117	75	125	29.88	1.86	20	
Calcium	1412	62	104.1	1406	5.3	75	125	1460	3.35	20	S
Chromium	43.01	1.0	26.03	10.49	125	75	125	41.96	2.47	20	
Cobalt	32.92	1.0	26.03	0.3381	125	75	125	31.92	3.09	20	S

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded
B - Analyte detected in the associated Method Blank
E - Value above quantitation range

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060097
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: 35548

Sample ID: **08060154-004AMSD** SampType: **MSD** TestCode: **M_ICPMS_S** Units: **mg/Kg-dry** Prep Date: **6/6/2008** Run ID: **ICPMS-2_080608A**
Client ID: **ZZZZZ** Batch ID: **35548** TestNo: **SW6020** Analysis Date: **6/8/2008** SeqNo: **1148233**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	38.73	2.6	26.03	7.599	120	75	125	37.27	3.84	20	
Iron	5691	31	104.1	6564	-839	75	125	5948	4.43	20	S
Lead	37.99	0.52	26.03	9.373	110	75	125	37.25	1.97	20	
Magnesium	753.9	31	104.1	639.8	110	75	125	776.2	2.91	20	
Manganese	165.9	1.0	26.03	132.9	126	75	125	162.6	2.00	20	S
Nickel	34.43	1.0	26.03	3.684	118	75	125	33.33	3.27	20	
Potassium	250.5	31	104.1	138.5	108	75	125	243	3.07	20	
Selenium	30.98	1.0	26.03	0	119	75	125	29.61	4.53	20	
Silver	11.63	1.0	10.41	0	112	75	125	11.58	0.437	20	
Sodium	419.2	62	104.1	305.7	109	75	125	404.5	3.57	20	
Thallium	29.82	1.0	26.03	0.1659	114	75	125	29.03	2.67	20	
Vanadium	33.68	1.0	26.03	1.398	124	75	125	32.36	4.02	20	
Zinc	42.96	5.2	26.03	15.26	106	75	125	42.19	1.82	20	

Sample ID: **08060154-004AMSD** SampType: **MSD** TestCode: **M_ICPMS_S** Units: **mg/Kg-dry** Prep Date: **6/6/2008** Run ID: **ICPMS-2_080609A**
Client ID: **ZZZZZ** Batch ID: **35548** TestNo: **SW6020** Analysis Date: **6/9/2008** SeqNo: **1148713**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	8.981	2.1	13.02	0	69	75	125	7.306	20.6	20	SR
Beryllium	31.09	0.52	26.03	0.2231	119	75	125	27.13	13.6	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
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* - Non Accredited Parameter
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded
B - Analyte detected in the associated Method Blank
E - Value above quantitation range

STAT Analysis Corporation

PREP BATCH REPORT

Prep Start Date: **6/16/2008 11:00:00**
Prep End Date: **6/16/2008 1:00:00 P**

Prep Factor Units: **mL / mL**

Prep Batch **35712** Prep Code: **M_W_PREP** Technician: **PN**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
IMBW1 6/16/08			50	0	0	50	1.000	6/16/2008	6/16/2008
ILCSW1 6/16/08			50	0	0	50	1.000	6/16/2008	6/16/2008
IMBTCLP1 6/13/08			50	0	0	50	1.000	6/16/2008	6/16/2008
IMBTCLP2 6/13/08			50	0	0	50	1.000	6/16/2008	6/16/2008
IMBSPLP 6/13/08			50	0	0	50	1.000	6/16/2008	6/16/2008
08060097-005A	Soil		50	0	0	50	1.000	6/16/2008	6/16/2008
08060227-015B	Soil		50	0	0	50	1.000	6/16/2008	6/16/2008
08060446-001B	Soil		50	0	0	50	1.000	6/16/2008	6/16/2008
08060448-001A	Soil		50	0	0	50	1.000	6/16/2008	6/16/2008
08060448-002B	Soil		50	0	0	50	1.000	6/16/2008	6/16/2008
08060448-003A	Soil		50	0	0	50	1.000	6/16/2008	6/16/2008
08060448-004B	Soil		50	0	0	50	1.000	6/16/2008	6/16/2008
08060448-005A	Soil		50	0	0	50	1.000	6/16/2008	6/16/2008
08060448-006B	Soil		50	0	0	50	1.000	6/16/2008	6/16/2008
08060452-012A	Soil		50	0	0	50	1.000	6/16/2008	6/16/2008
08060453-001A	Soil		50	0	0	50	1.000	6/16/2008	6/16/2008
08060470-002A	Liquid		50	0	0	50	1.000	6/16/2008	6/16/2008
08060470-003A	Liquid		50	0	0	50	1.000	6/16/2008	6/16/2008
08060489-006A	Water		50	0	0	50	1.000	6/16/2008	6/16/2008
08060492-001A	Oil/Water		50	0	0	50	1.000	6/16/2008	6/16/2008
08060448-001AMS	Soil		50	0	0	50	1.000	6/16/2008	6/16/2008
08060448-001AMSD	Soil		50	0	0	50	1.000	6/16/2008	6/16/2008
08060452-012AMS	Soil		50	0	0	50	1.000	6/16/2008	6/16/2008
08060453-001AMS	Soil		50	0	0	50	1.000	6/16/2008	6/16/2008

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060097
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: 35712

Sample ID: **08060448-001AMS** SampType: **MS** TestCode: **M_ICPMS_SP** Units: **mg/L** Prep Date: **6/16/2008** Run ID: **ICPMS-2_080616A**
Client ID: **ZZZZZ** Batch ID: **35712** TestNo: **SW1312/6020** Analysis Date: **6/16/2008** SeqNo: **1153325**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.4757	0.0040	0.5	0	95.1	75	125	0	0		
Barium	0.4876	0.0080	0.5	0.00494	96.5	75	125	0	0		
Cadmium	0.4641	0.0020	0.5	0	92.8	75	125	0	0		
Chromium	0.4446	0.0040	0.5	0	88.9	75	125	0	0		
Lead	0.4747	0.0020	0.5	0	94.9	75	125	0	0		
Selenium	0.4499	0.0040	0.5	0	90	75	125	0	0		
Silver	0.1918	0.0040	0.2	0	95.9	75	125	0	0		

Sample ID: **08060448-001AMSD** SampType: **MSD** TestCode: **M_ICPMS_SP** Units: **mg/L** Prep Date: **6/16/2008** Run ID: **ICPMS-2_080616A**
Client ID: **ZZZZZ** Batch ID: **35712** TestNo: **SW1312/6020** Analysis Date: **6/16/2008** SeqNo: **1153326**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.4811	0.0040	0.5	0	96.2	75	125	0.4757	1.13	20	
Barium	0.4905	0.0080	0.5	0.00494	97.1	75	125	0.4876	0.593	20	
Cadmium	0.4625	0.0020	0.5	0	92.5	75	125	0.4641	0.345	20	
Chromium	0.4643	0.0040	0.5	0	92.9	75	125	0.4446	4.33	20	
Lead	0.4822	0.0020	0.5	0	96.4	75	125	0.4747	1.57	20	
Selenium	0.4476	0.0040	0.5	0	89.5	75	125	0.4499	0.513	20	
Silver	0.1906	0.0040	0.2	0	95.3	75	125	0.1918	0.628	20	

Sample ID: **IMBW1 6/16/08** SampType: **MBLK** TestCode: **M_ICPMS_W** Units: **mg/L** Prep Date: **6/16/2008** Run ID: **ICPMS-2_080616A**
Client ID: **ZZZZZ** Batch ID: **35712** TestNo: **SW6020** Analysis Date: **6/16/2008** SeqNo: **1153321**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.0040									
Barium	ND	0.0040									
Cadmium	ND	0.0020									
Chromium	ND	0.0040									
Lead	ND	0.0020									
Selenium	ND	0.0040									
Silver	ND	0.0040									

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded
B - Analyte detected in the associated Method Blank
E - Value above quantitation range

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060097
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: 35712

Sample ID: **ILCSW1 6/16/08** SampType: **LCS** TestCode: **M_ICPMS_W** Units: **mg/L** Prep Date: **6/16/2008** Run ID: **ICPMS-2_080616A**
Client ID: **ZZZZZ** Batch ID: **35712** TestNo: **SW6020** Analysis Date: **6/16/2008** SeqNo: **1153322**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.4804	0.0040	0.5	0	96.1	80	120	0	0		
Barium	0.4816	0.0040	0.5	0	96.3	80	120	0	0		
Cadmium	0.4834	0.0020	0.5	0	96.7	80	120	0	0		
Chromium	0.4684	0.0040	0.5	0	93.7	80	120	0	0		
Lead	0.4763	0.0020	0.5	0	95.3	80	120	0	0		
Selenium	0.4731	0.0040	0.5	0	94.6	80	120	0	0		
Silver	0.196	0.0040	0.2	0	98	80	120	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded
B - Analyte detected in the associated Method Blank
E - Value above quantitation range

STAT Analysis Corporation

PREP BATCH REPORT

Prep Start Date: **6/12/2008 2:05:00 P**
Prep End Date: **6/12/2008 2:45:00 P**

Prep Batch **35658** Prep Code: **M_HG_S_PRE** Technician: **VA**

Prep Factor Units: **mL / g**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
HGMBS1 6/12/08			0.3	0	0	30	100.000	6/12/2008	6/12/2008
HGLCSS1 6/12/08			0.3	0	0	30	100.000	6/12/2008	6/12/2008
08060097-001A	Soil		0.318	0	0	30	94.340	6/12/2008	6/12/2008
08060097-002A	Soil		0.322	0	0	30	93.168	6/12/2008	6/12/2008
08060097-003A	Soil		0.317	0	0	30	94.637	6/12/2008	6/12/2008
08060097-004A	Soil		0.315	0	0	30	95.238	6/12/2008	6/12/2008
08060097-005A	Soil		0.309	0	0	30	97.087	6/12/2008	6/12/2008
08060097-006A	Soil		0.315	0	0	30	95.238	6/12/2008	6/12/2008
08060097-006AMS	Soil		0.311	0	0	30	96.463	6/12/2008	6/12/2008
08060097-006AMSD	Soil		0.315	0	0	30	95.238	6/12/2008	6/12/2008
08060097-007A	Soil		0.305	0	0	30	98.361	6/12/2008	6/12/2008
08060097-008A	Soil		0.306	0	0	30	98.039	6/12/2008	6/12/2008
08060097-009A	Soil		0.301	0	0	30	99.668	6/12/2008	6/12/2008
08060097-010A	Soil		0.303	0	0	30	99.010	6/12/2008	6/12/2008
08060097-011A	Soil		0.323	0	0	30	92.879	6/12/2008	6/12/2008
08060406-001A	Solid		0.315	0	0	30	95.238	6/12/2008	6/12/2008
08060406-002A	Solid		0.318	0	0	30	94.340	6/12/2008	6/12/2008

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060097
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: 35658

Sample ID: **HGMBS1 6/12/08** SampType: **MBLK** TestCode: **M_HG_SOLID** Units: **mg/Kg** Prep Date: **6/12/2008** Run ID: **CETAC_080612B**
Client ID: **ZZZZZ** Batch ID: **35658** TestNo: **SW7471A** Analysis Date: **6/12/2008** SeqNo: **1152208**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.004	0.025									J

Sample ID: **HGLCSS1 6/12/08** SampType: **LCS** TestCode: **M_HG_SOLID** Units: **mg/Kg** Prep Date: **6/12/2008** Run ID: **CETAC_080612B**
Client ID: **ZZZZZ** Batch ID: **35658** TestNo: **SW7471A** Analysis Date: **6/12/2008** SeqNo: **1152209**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.243	0.025	0.25	0.004	95.6	80	120	0	0		

Sample ID: **08060097-006AMS** SampType: **MS** TestCode: **M_HG_SOLID** Units: **mg/Kg-dry** Prep Date: **6/12/2008** Run ID: **CETAC_080612B**
Client ID: **X104B** Batch ID: **35658** TestNo: **SW7471A** Analysis Date: **6/12/2008** SeqNo: **1152216**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.2452	0.025	0.2544	0.01105	92.1	75	125	0	0		

Sample ID: **08060097-006AMSD** SampType: **MSD** TestCode: **M_HG_SOLID** Units: **mg/Kg-dry** Prep Date: **6/12/2008** Run ID: **CETAC_080612B**
Client ID: **X104B** Batch ID: **35658** TestNo: **SW7471A** Analysis Date: **6/12/2008** SeqNo: **1152217**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.2411	0.025	0.2512	0.01105	91.6	75	125	0.2452	1.69	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
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H/HT - Holding Time Exceeded
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E - Value above quantitation range

STAT Analysis Corporation

PREP BATCH REPORT

Prep Start Date: **6/13/2008 5:20:00 P**
Prep End Date: **6/13/2008 7:20:00 P**

Prep Factor Units: **mL / mL**

Prep Batch **35693** Prep Code: **M_HG_W_PRE** Technician: **VA**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
HGMBW1 6/13/08			30	0	0	30	1.000	6/13/2008	6/13/2008
HGLCSW1 6/13/08			30	0	0	30	1.000	6/13/2008	6/13/2008
HGMBTCLP1 6/4/08			30	0	0	30	1.000	6/13/2008	6/13/2008
08060097-005A	Soil		30	0	0	30	1.000	6/13/2008	6/13/2008
08060097-005AMS	Soil		30	0	0	30	1.000	6/13/2008	6/13/2008
08060097-005AMSD	Soil		30	0	0	30	1.000	6/13/2008	6/13/2008
HGMBTCLP1 6/11/08			30	0	0	30	1.000	6/13/2008	6/13/2008
08060358-001A	Soil		30	0	0	30	1.000	6/13/2008	6/13/2008
08060358-001AMS	Soil		30	0	0	30	1.000	6/13/2008	6/13/2008
HGMBWD 6/13/08			30	0	0	30	1.000	6/13/2008	6/13/2008
HGLCSWD 6/13/08			30	0	0	30	1.000	6/13/2008	6/13/2008
HGLCSDWD 6/13/08			30	0	0	30	1.000	6/13/2008	6/13/2008
08060261-001C	Water		30	0	0	30	1.000	6/13/2008	6/13/2008
08060261-002C	Water		30	0	0	30	1.000	6/13/2008	6/13/2008
08060261-003C	Water		30	0	0	30	1.000	6/13/2008	6/13/2008
08060261-004C	Water		30	0	0	30	1.000	6/13/2008	6/13/2008
08060261-005C	Water		30	0	0	30	1.000	6/13/2008	6/13/2008
08060261-006C	Water		30	0	0	30	1.000	6/13/2008	6/13/2008
08060261-007C	Water		5	0	0	30	6.000	6/13/2008	6/13/2008
08060261-008C	Water		30	0	0	30	1.000	6/13/2008	6/13/2008
08060261-009C	Water		30	0	0	30	1.000	6/13/2008	6/13/2008
08060261-010C	Water		30	0	0	30	1.000	6/13/2008	6/13/2008

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060097
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: 35693

Sample ID: **HGMBTCLP1 6/4/08** SampType: **MBLK** TestCode: **M_1311_HG** Units: **mg/L** Prep Date: **6/13/2008** Run ID: **CETAC_080613B**
Client ID: **ZZZZZ** Batch ID: **35693** TestNo: **SW1311/7470** Analysis Date: **6/13/2008** SeqNo: **1152600**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00005	0.00025									J

Sample ID: **08060097-005AMS** SampType: **MS** TestCode: **M_1311_HG** Units: **mg/L** Prep Date: **6/13/2008** Run ID: **CETAC_080613B**
Client ID: **X104A** Batch ID: **35693** TestNo: **SW1311/7470** Analysis Date: **6/13/2008** SeqNo: **1152602**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00239	0.00025	0.0025	0.00004	94	75	125	0	0		

Sample ID: **08060097-005AMSD** SampType: **MSD** TestCode: **M_1311_HG** Units: **mg/L** Prep Date: **6/13/2008** Run ID: **CETAC_080613B**
Client ID: **X104A** Batch ID: **35693** TestNo: **SW1311/7470** Analysis Date: **6/13/2008** SeqNo: **1152603**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.0024	0.00025	0.0025	0.00004	94.4	75	125	0.00239	0.418	20	

Sample ID: **HGMBW1 6/13/08** SampType: **MBLK** TestCode: **M_HG_WATE** Units: **mg/L** Prep Date: **6/13/2008** Run ID: **CETAC_080613B**
Client ID: **ZZZZZ** Batch ID: **35693** TestNo: **SW7470A** Analysis Date: **6/13/2008** SeqNo: **1152598**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00005	0.00025									J

Sample ID: **HGLCSW1 6/13/08** SampType: **LCS** TestCode: **M_HG_WATE** Units: **mg/L** Prep Date: **6/13/2008** Run ID: **CETAC_080613B**
Client ID: **ZZZZZ** Batch ID: **35693** TestNo: **SW7470A** Analysis Date: **6/13/2008** SeqNo: **1152599**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00222	0.00025	0.0025	0.00005	86.8	80	120	0	0		

Qualifiers:
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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded
B - Analyte detected in the associated Method Blank
E - Value above quantitation range

STAT Analysis Corporation

PREP BATCH REPORT

Prep Start Date: **6/3/2008 3:00:00 PM**
Prep End Date: **6/4/2008 4:45:00 PM**

Prep Batch **35487** Prep Code: **TCNPREP_S** Technician: **KB**

Prep Factor Units: **mL / g**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
TCNMBS1 060308			1	0	0	50	50.000	6/3/2008	6/3/2008
TCNLCSS1 060308			1	0	0	50	50.000	6/3/2008	6/3/2008
08060041-006AMS	Soil		1	0	0	50	50.000	6/3/2008	6/3/2008
08060041-006AMSD	Soil		1	0	0	50	50.000	6/3/2008	6/3/2008
08050880-002A	Solid		1	0	0	50	50.000	6/3/2008	6/3/2008
08060041-001A	Soil		1	0	0	50	50.000	6/3/2008	6/3/2008
08060041-002A	Soil		1	0	0	50	50.000	6/3/2008	6/3/2008
08060041-003A	Soil		1	0	0	50	50.000	6/3/2008	6/3/2008
08060041-004A	Soil		1	0	0	50	50.000	6/3/2008	6/3/2008
08060041-005A	Soil		1	0	0	50	50.000	6/3/2008	6/3/2008
08060041-006A	Soil		1	0	0	50	50.000	6/3/2008	6/3/2008
08050994-001B	Soil		1	0	0	50	50.000	6/4/2008	6/4/2008
08050994-002B	Soil		1	0	0	50	50.000	6/4/2008	6/4/2008
08060097-001A	Soil		1	0	0	50	50.000	6/4/2008	6/4/2008
08060097-002A	Soil		1	0	0	50	50.000	6/4/2008	6/4/2008
08060097-003A	Soil		1	0	0	50	50.000	6/4/2008	6/4/2008
08060097-004A	Soil		1	0	0	50	50.000	6/4/2008	6/4/2008
08060097-005A	Soil		1	0	0	50	50.000	6/4/2008	6/4/2008
08060097-006A	Soil		1	0	0	50	50.000	6/4/2008	6/4/2008
08060097-007A	Soil		1	0	0	50	50.000	6/4/2008	6/4/2008
08060097-008A	Soil		1	0	0	50	50.000	6/4/2008	6/4/2008
08060097-009A	Soil		1	0	0	50	50.000	6/4/2008	6/4/2008
08060097-010A	Soil		1	0	0	50	50.000	6/4/2008	6/4/2008
08060097-011A	Soil		1	0	0	50	50.000	6/4/2008	6/4/2008

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060097
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: 35487

Sample ID: **TCNMBS1 060308** SampType: **MBLK** TestCode: **CN_TS** Units: **mg/Kg** Prep Date: **6/3/2008** Run ID: **LACHAT_080603A**
Client ID: **ZZZZZ** Batch ID: **35487** TestNo: **SW9012A** Analysis Date: **6/3/2008** SeqNo: **1144829**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	ND	0.25									

Sample ID: **TCNLCSS1 060308** SampType: **LCS** TestCode: **CN_TS** Units: **mg/Kg** Prep Date: **6/3/2008** Run ID: **LACHAT_080603A**
Client ID: **ZZZZZ** Batch ID: **35487** TestNo: **SW9012A** Analysis Date: **6/3/2008** SeqNo: **1144832**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	10.55	0.25	10	0	105	90	110	0	0		

Sample ID: **08060041-006AMS** SampType: **MS** TestCode: **CN_TS** Units: **mg/Kg-dry** Prep Date: **6/3/2008** Run ID: **LACHAT_080603A**
Client ID: **ZZZZZ** Batch ID: **35487** TestNo: **SW9012A** Analysis Date: **6/3/2008** SeqNo: **1144834**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	10.55	0.26	10.55	0	100	75	125	0	0		

Sample ID: **08060041-006AMSD** SampType: **MSD** TestCode: **CN_TS** Units: **mg/Kg-dry** Prep Date: **6/3/2008** Run ID: **LACHAT_080603A**
Client ID: **ZZZZZ** Batch ID: **35487** TestNo: **SW9012A** Analysis Date: **6/3/2008** SeqNo: **1144835**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	10.79	0.26	10.55	0	102	75	125	10.55	2.30	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded
B - Analyte detected in the associated Method Blank
E - Value above quantitation range

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060097
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: R45155

Sample ID: **PMMBK4 6/3/08** SampType: **MBLK** TestCode: **PMOIST** Units: **wt%** Prep Date: **6/3/2008** Run ID: **BALANCE_080603E**
Client ID: **ZZZZZ** Batch ID: **R45155** TestNo: **D2974** Analysis Date: **6/4/2008** SeqNo: **1145447**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	ND	0.0100									*

Sample ID: **PMLCS-S4 6/3/08** SampType: **LCS** TestCode: **PMOIST** Units: **wt%** Prep Date: **6/3/2008** Run ID: **BALANCE_080603E**
Client ID: **ZZZZZ** Batch ID: **R45155** TestNo: **D2974** Analysis Date: **6/4/2008** SeqNo: **1145448**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	4.3	0.0100	5	0	86	80	120	0	0		*

Sample ID: **PMLCS-W4 6/3/08** SampType: **LCS** TestCode: **PMOIST** Units: **wt%** Prep Date: **6/3/2008** Run ID: **BALANCE_080603E**
Client ID: **ZZZZZ** Batch ID: **R45155** TestNo: **D2974** Analysis Date: **6/4/2008** SeqNo: **1145449**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	99.83	0.0100	99.8	0	100	80	120	0	0		*

Sample ID: **08060097-001A DUP** SampType: **DUP** TestCode: **PMOIST** Units: **wt%** Prep Date: **6/3/2008** Run ID: **BALANCE_080603E**
Client ID: **X101** Batch ID: **R45155** TestNo: **D2974** Analysis Date: **6/4/2008** SeqNo: **1145451**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	31.92	0.0100	0	0	0	0	0	31.32	1.90	20	*

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded
B - Analyte detected in the associated Method Blank
E - Value above quantitation range

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060097
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: R45169

Sample ID: **08060057-001B DUP** SampType: **DUP** TestCode: **PH_S** Units: **pH Units** Prep Date: **6/4/2008** Run ID: **PH_080604A**
Client ID: **ZZZZZ** Batch ID: **R45169** TestNo: **SW9045C** Analysis Date: **6/4/2008** SeqNo: **1145893**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	8	0	0	0	0	0	0	7.98	0.250	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded
B - Analyte detected in the associated Method Blank
E - Value above quantitation range

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060097
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: R45170

Sample ID: **08060097-009A DUP** SampType: **DUP** TestCode: **PH_S** Units: **pH Units** Prep Date: **6/4/2008** Run ID: **PH_080604B**
Client ID: **X108** Batch ID: **R45170** TestNo: **SW9045C** Analysis Date: **6/4/2008** SeqNo: **1145910**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	6.3	0	0	0	0	0	0	6.34	0.633	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded
B - Analyte detected in the associated Method Blank
E - Value above quantitation range

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060097
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: R45368

Sample ID: **FOC MBLK 6/11/08** SampType: **MBLK** TestCode: **FOC_S** Units: **wt%** Prep Date: **6/11/2008** Run ID: **BALANCE_080611C**
Client ID: **ZZZZZ** Batch ID: **R45368** TestNo: **D2974** Analysis Date: **6/12/2008** SeqNo: **1151950**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Organic Carbon Content	ND	0.0100									*

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded
B - Analyte detected in the associated Method Blank
E - Value above quantitation range

STAT Analysis Corporation
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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001;AIHA 101160; NVLAP LabCode 101202-

July 18, 2008

Illinois Environmental Protection Agency
1021 North Grand Avenue East
P.O. Box 19276
Springfield, IL 62794-9276
Telephone: (217) 524-1657
Fax: (217) 557-1165

RE: PR50, 0971255020, North Chicago STAT Project No 08060288

Dear Jim Salch:

STAT Analysis received 16 samples for the referenced project on 6/6/2008 3:30:00 PM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. 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 when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

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

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone.This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory.

STAT Analysis Corporation Date: July 18, 2008

Client: Illinois Environmental Protection Agency
Project: PR50, 0971255020, North Chicago
Lab Order: 08060288

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
08060288-001A	X110		6/3/2008 1:00:00 PM	6/6/2008
08060288-002A	X111A		6/3/2008 2:00:00 PM	6/6/2008
08060288-003A	X112		6/4/2008 5:15:00 PM	6/6/2008
08060288-004A	X113		6/3/2008 3:30:00 PM	6/6/2008
08060288-005A	X114A		6/4/2008 10:45:00 AM	6/6/2008
08060288-006A	X115		6/4/2008 12:00:00 PM	6/6/2008
08060288-007A	X116A		6/4/2008 4:15:00 PM	6/6/2008
08060288-008A	X118		6/4/2008 1:45:00 PM	6/6/2008
08060288-009A	X121		6/3/2008 10:20:00 AM	6/6/2008
08060288-010A	X164		6/4/2008 10:45:00 AM	6/6/2008
08060288-011A	G113		6/3/2008 5:30:00 PM	6/6/2008
08060288-011B	G113		6/3/2008 5:30:00 PM	6/6/2008
08060288-012A	G163		6/3/2008 5:30:00 PM	6/6/2008
08060288-012B	G163		6/3/2008 5:30:00 PM	6/6/2008
08060288-013A	G118		6/4/2008 3:55:00 PM	6/6/2008
08060288-013B	G118		6/4/2008 3:55:00 PM	6/6/2008
08060288-014A	G105		6/5/2008 10:55:00 AM	6/6/2008
08060288-014B	G105		6/5/2008 10:55:00 AM	6/6/2008
08060288-015A	X120		6/5/2008 1:00:00 PM	6/6/2008
08060288-016A	X124		6/5/2008 5:00:00 PM	6/6/2008

CASE NARRATIVE

The metals LCS (preparation batch 35623) had recovery outside of control limits for Antimony (181% recovery, QC Limits 80-120%).

The metals MS/MSD prepared from sample X118 (08060288-008) had Antimony recovery outside control limits (48%/42% MS/MSD recovery, QC limits 75-125%). The MS/MSD had recovery of other analytes outside of control limits, however the analyte concentration in the sample was greater than four times the spike level for those elements.

The metals LCS (preparation batch 35613) had recovery outside of control limits for Antimony (151% recovery, QC Limits 80-120%). Antimony was not detected in the associated samples.

The metals MS/MSD prepared from sample G113 (08060288-011) had the following outside control limits:
Antimony: 145%/145% (MS/MSD) recovery (QC limits 75-125%)
Aluminum: 43%/62% (MS/MSD) recovery (QC limits 75-125%)
The MS/MSD had recovery of other analytes outside of control limits, however the analyte concentration in the sample was greater than four times the spiking level for those elements.

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Reported: July 18, 2008
Date Printed: July 18, 2008

Client: Illinois Environmental Protection Agency
Lab Order: 08060288
Project: PR50, 0971255020, North Chicago
Lab ID: 08060288-001

Client Sample ID: X110
Collection Date: 6/3/2008 1:00:00 PM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Total Petroleum Hydrocarbons	**SW8015M (SW3580A)**			Prep Date: **6/10/2008**		Analyst: **JT**
TPH (GRO)	14000	220		mg/Kg-dry	10	6/11/2008
TPH (DRO)	7200	220		mg/Kg-dry	10	6/11/2008
TPH (ERO)	2200	22	*	mg/Kg-dry	1	6/11/2008
Mercury	**SW7471A**			Prep Date: **6/16/2008**		Analyst: **VA**
Mercury	ND	0.028		mg/Kg-dry	1	6/16/2008
Metals by ICP/MS	**SW6020 (SW3050B)**			Prep Date: **6/11/2008**		Analyst: **JG**
Aluminum	2800	22		mg/Kg-dry	10	6/11/2008
Antimony	ND	2.2		mg/Kg-dry	10	6/11/2008
Arsenic	5.1	1.1		mg/Kg-dry	10	6/11/2008
Barium	5.7	1.1		mg/Kg-dry	10	6/11/2008
Beryllium	ND	0.53		mg/Kg-dry	10	6/11/2008
Cadmium	ND	0.53		mg/Kg-dry	10	6/11/2008
Calcium	23000	65		mg/Kg-dry	10	6/11/2008
Chromium	5.3	1.1		mg/Kg-dry	10	6/11/2008
Cobalt	4.3	1.1		mg/Kg-dry	10	6/11/2008
Copper	17	2.7		mg/Kg-dry	10	6/11/2008
Iron	13000	32		mg/Kg-dry	10	6/11/2008
Lead	7.8	0.53		mg/Kg-dry	10	6/11/2008
Magnesium	15000	32		mg/Kg-dry	10	6/11/2008
Manganese	260	1.1		mg/Kg-dry	10	6/11/2008
Nickel	14	1.1		mg/Kg-dry	10	6/11/2008
Potassium	610	32		mg/Kg-dry	10	6/11/2008
Selenium	ND	1.1		mg/Kg-dry	10	6/11/2008
Silver	ND	1.1		mg/Kg-dry	10	6/11/2008
Sodium	84	65		mg/Kg-dry	10	6/11/2008
Thallium	ND	1.1		mg/Kg-dry	10	6/11/2008
Vanadium	11	1.1		mg/Kg-dry	10	6/11/2008
Zinc	81	5.3		mg/Kg-dry	10	6/11/2008
Cyanide, Total	**SW9012A**			Prep Date: **6/10/2008**		Analyst: **KB**
Cyanide	ND	0.28		mg/Kg-dry	1	6/11/2008
pH (25 °C)	**SW9045C**			Prep Date: **6/10/2008**		Analyst: **FD**
pH	7.0			pH Units	1	6/10/2008
Percent Moisture	**D2974**			Prep Date: **6/11/2008**		Analyst: **FD**
Percent Moisture	11.9	0.01	*	wt%	1	6/12/2008

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
HT - Sample received past holding time
* - Non-accredited parameter
RL - Reporting / Quantitation Limit for the analysis
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H - Holding time exceeded

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Date Reported: July 18, 2008
Date Printed: July 18, 2008

Client: Illinois Environmental Protection Agency
Lab Order: 08060288
Project: PR50, 0971255020, North Chicago
Lab ID: 08060288-002

Client Sample ID: X111A
Collection Date: 6/3/2008 2:00:00 PM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	**SW7471A**			Prep Date: **6/16/2008**		Analyst: **VA**
Mercury	ND	0.025		mg/Kg-dry	1	6/16/2008
Metals by ICP/MS	**SW6020 (SW3050B)**			Prep Date: **6/11/2008**		Analyst: **JG**
Aluminum	1900	18		mg/Kg-dry	10	6/11/2008
Antimony	ND	1.8		mg/Kg-dry	10	6/11/2008
Arsenic	10	0.93		mg/Kg-dry	10	6/11/2008
Barium	16	0.93		mg/Kg-dry	10	6/11/2008
Beryllium	ND	0.46		mg/Kg-dry	10	6/11/2008
Cadmium	ND	0.46		mg/Kg-dry	10	6/11/2008
Calcium	48000	550		mg/Kg-dry	100	6/11/2008
Chromium	5.6	0.93		mg/Kg-dry	10	6/11/2008
Cobalt	5.3	0.93		mg/Kg-dry	10	6/11/2008
Copper	9.6	2.3		mg/Kg-dry	10	6/11/2008
Iron	22000	28		mg/Kg-dry	10	6/11/2008
Lead	6.7	0.46		mg/Kg-dry	10	6/11/2008
Magnesium	27000	28		mg/Kg-dry	10	6/11/2008
Manganese	370	0.93		mg/Kg-dry	10	6/11/2008
Nickel	15	0.93		mg/Kg-dry	10	6/11/2008
Potassium	400	28		mg/Kg-dry	10	6/11/2008
Selenium	ND	0.93		mg/Kg-dry	10	6/11/2008
Silver	ND	0.93		mg/Kg-dry	10	6/11/2008
Sodium	97	55		mg/Kg-dry	10	6/11/2008
Thallium	ND	0.93		mg/Kg-dry	10	6/11/2008
Vanadium	12	0.93		mg/Kg-dry	10	6/11/2008
Zinc	81	4.6		mg/Kg-dry	10	6/11/2008
Cyanide, Total	**SW9012A**			Prep Date: **6/10/2008**		Analyst: **KB**
Cyanide	ND	0.27		mg/Kg-dry	1	6/11/2008
pH (25 °C)	**SW9045C**			Prep Date: **6/10/2008**		Analyst: **FD**
pH	7.8			pH Units	1	6/10/2008
Percent Moisture	**D2974**			Prep Date: **6/11/2008**		Analyst: **FD**
Percent Moisture	7.2	0.01	*	wt%	1	6/12/2008

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
HT - Sample received past holding time
* - Non-accredited parameter
RL - Reporting / Quantitation Limit for the analysis
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H - Holding time exceeded

STAT Analysis Corporation
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Date Reported: July 18, 2008
Date Printed: July 18, 2008

Client: Illinois Environmental Protection Agency
Lab Order: 08060288
Project: PR50, 0971255020, North Chicago
Lab ID: 08060288-003

Client Sample ID: X112
Collection Date: 6/4/2008 5:15:00 PM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	**SW7471A**			Prep Date: **6/16/2008**		Analyst: **VA**
Mercury	ND	0.026		mg/Kg-dry	1	6/16/2008
Metals by ICP/MS	**SW6020 (SW3050B)**			Prep Date: **6/11/2008**		Analyst: **JG**
Aluminum	4600	20		mg/Kg-dry	10	6/11/2008
Antimony	ND	2		mg/Kg-dry	10	6/11/2008
Arsenic	5.3	0.97		mg/Kg-dry	10	6/11/2008
Barium	18	0.97		mg/Kg-dry	10	6/11/2008
Beryllium	ND	0.48		mg/Kg-dry	10	6/11/2008
Cadmium	ND	0.48		mg/Kg-dry	10	6/11/2008
Calcium	26000	58		mg/Kg-dry	10	6/11/2008
Chromium	9.2	0.97		mg/Kg-dry	10	6/11/2008
Cobalt	6.3	0.97		mg/Kg-dry	10	6/11/2008
Copper	20	2.4		mg/Kg-dry	10	6/11/2008
Iron	12000	29		mg/Kg-dry	10	6/11/2008
Lead	16	0.48		mg/Kg-dry	10	6/11/2008
Magnesium	16000	29		mg/Kg-dry	10	6/11/2008
Manganese	550	0.97		mg/Kg-dry	10	6/11/2008
Nickel	13	0.97		mg/Kg-dry	10	6/11/2008
Potassium	670	29		mg/Kg-dry	10	6/11/2008
Selenium	ND	0.97		mg/Kg-dry	10	6/11/2008
Silver	ND	0.97		mg/Kg-dry	10	6/11/2008
Sodium	110	58		mg/Kg-dry	10	6/11/2008
Thallium	ND	0.97		mg/Kg-dry	10	6/11/2008
Vanadium	18	0.97		mg/Kg-dry	10	6/11/2008
Zinc	71	4.8		mg/Kg-dry	10	6/11/2008
Cyanide, Total	**SW9012A**			Prep Date: **6/10/2008**		Analyst: **KB**
Cyanide	ND	0.27		mg/Kg-dry	1	6/11/2008
pH (25 °C)	**SW9045C**			Prep Date: **6/10/2008**		Analyst: **FD**
pH	8.0			pH Units	1	6/10/2008
Percent Moisture	**D2974**			Prep Date: **6/11/2008**		Analyst: **FD**
Percent Moisture	8.0	0.01	*	wt%	1	6/12/2008

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
HT - Sample received past holding time
* - Non-accredited parameter
RL - Reporting / Quantitation Limit for the analysis
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E - Value above quantitation range
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Date Reported: July 18, 2008
Date Printed: July 18, 2008

Client: Illinois Environmental Protection Agency
Lab Order: 08060288
Project: PR50, 0971255020, North Chicago
Lab ID: 08060288-004

Client Sample ID: X113
Collection Date: 6/3/2008 3:30:00 PM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Total Petroleum Hydrocarbons	**SW8015M (SW3580A)**			Prep Date: **6/10/2008**		Analyst: **JT**
TPH (GRO)	2600	20		mg/Kg-dry	1	6/11/2008
TPH (DRO)	68	20		mg/Kg-dry	1	6/11/2008
TPH (ERO)	ND	20	*	mg/Kg-dry	1	6/11/2008
Mercury	**SW7471A**			Prep Date: **6/16/2008**		Analyst: **VA**
Mercury	ND	0.026		mg/Kg-dry	1	6/16/2008
Metals by ICP/MS	**SW6020 (SW3050B)**			Prep Date: **6/11/2008**		Analyst: **JG**
Aluminum	9500	200		mg/Kg-dry	100	6/11/2008
Antimony	ND	2		mg/Kg-dry	10	6/11/2008
Arsenic	9.9	1		mg/Kg-dry	10	6/11/2008
Barium	49	1		mg/Kg-dry	10	6/11/2008
Beryllium	ND	0.5		mg/Kg-dry	10	6/11/2008
Cadmium	ND	0.5		mg/Kg-dry	10	6/11/2008
Calcium	71000	610		mg/Kg-dry	100	6/11/2008
Chromium	17	1		mg/Kg-dry	10	6/11/2008
Cobalt	11	1		mg/Kg-dry	10	6/11/2008
Copper	20	2.5		mg/Kg-dry	10	6/11/2008
Iron	24000	30		mg/Kg-dry	10	6/11/2008
Lead	13	0.5		mg/Kg-dry	10	6/11/2008
Magnesium	29000	30		mg/Kg-dry	10	6/11/2008
Manganese	460	1		mg/Kg-dry	10	6/11/2008
Nickel	28	1		mg/Kg-dry	10	6/11/2008
Potassium	1600	30		mg/Kg-dry	10	6/11/2008
Selenium	ND	1		mg/Kg-dry	10	6/11/2008
Silver	ND	1		mg/Kg-dry	10	6/11/2008
Sodium	110	61		mg/Kg-dry	10	6/11/2008
Thallium	ND	1		mg/Kg-dry	10	6/11/2008
Vanadium	20	1		mg/Kg-dry	10	6/11/2008
Zinc	42	5		mg/Kg-dry	10	6/11/2008
Cyanide, Total	**SW9012A**			Prep Date: **6/10/2008**		Analyst: **KB**
Cyanide	ND	0.26		mg/Kg-dry	1	6/11/2008
pH (25 °C)	**SW9045C**			Prep Date: **6/10/2008**		Analyst: **FD**
pH	7.9			pH Units	1	6/10/2008
Percent Moisture	**D2974**			Prep Date: **6/11/2008**		Analyst: **FD**
Percent Moisture	4.3	0.01	*	wt%	1	6/12/2008

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
HT - Sample received past holding time
* - Non-accredited parameter
RL - Reporting / Quantitation Limit for the analysis
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Reported: July 18, 2008
Date Printed: July 18, 2008

Client: Illinois Environmental Protection Agency
Lab Order: 08060288
Project: PR50, 0971255020, North Chicago
Lab ID: 08060288-005

Client Sample ID: X114A
Collection Date: 6/4/2008 10:45:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	**SW7471A**			Prep Date: **6/16/2008**		Analyst: **VA**
Mercury	ND	0.027		mg/Kg-dry	1	6/16/2008
Metals by ICP/MS	**SW6020 (SW3050B)**			Prep Date: **6/11/2008**		Analyst: **JG**
Aluminum	9300	210		mg/Kg-dry	100	6/11/2008
Antimony	ND	2.1		mg/Kg-dry	10	6/11/2008
Arsenic	8.9	1		mg/Kg-dry	10	6/11/2008
Barium	51	1		mg/Kg-dry	10	6/11/2008
Beryllium	ND	0.52		mg/Kg-dry	10	6/11/2008
Cadmium	ND	0.52		mg/Kg-dry	10	6/11/2008
Calcium	63000	630		mg/Kg-dry	100	6/11/2008
Chromium	16	1		mg/Kg-dry	10	6/11/2008
Cobalt	9.9	1		mg/Kg-dry	10	6/11/2008
Copper	21	2.6		mg/Kg-dry	10	6/11/2008
Iron	21000	32		mg/Kg-dry	10	6/11/2008
Lead	13	0.52		mg/Kg-dry	10	6/11/2008
Magnesium	35000	32		mg/Kg-dry	10	6/11/2008
Manganese	690	1		mg/Kg-dry	10	6/11/2008
Nickel	27	1		mg/Kg-dry	10	6/11/2008
Potassium	1800	32		mg/Kg-dry	10	6/11/2008
Selenium	ND	1		mg/Kg-dry	10	6/11/2008
Silver	ND	1		mg/Kg-dry	10	6/11/2008
Sodium	170	63		mg/Kg-dry	10	6/11/2008
Thallium	ND	1		mg/Kg-dry	10	6/11/2008
Vanadium	20	1		mg/Kg-dry	10	6/11/2008
Zinc	51	5.2		mg/Kg-dry	10	6/11/2008
Cyanide, Total	**SW9012A**			Prep Date: **6/10/2008**		Analyst: **KB**
Cyanide	ND	0.29		mg/Kg-dry	1	6/11/2008
pH (25 °C)	**SW9045C**			Prep Date: **6/10/2008**		Analyst: **FD**
pH	7.6			pH Units	1	6/10/2008
Percent Moisture	**D2974**			Prep Date: **6/11/2008**		Analyst: **FD**
Percent Moisture	12.3	0.01	*	wt%	1	6/12/2008

Qualifiers:
ND - Not Detected at the Reporting Limit
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H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Reported: July 18, 2008
Date Printed: July 18, 2008

Client: Illinois Environmental Protection Agency
Lab Order: 08060288
Project: PR50, 0971255020, North Chicago
Lab ID: 08060288-006

Client Sample ID: X115
Collection Date: 6/4/2008 12:00:00 PM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	**SW7471A**			Prep Date: **6/16/2008**		Analyst: **VA**
Mercury	0.046	0.028		mg/Kg-dry	1	6/16/2008
Metals by ICP/MS	**SW6020 (SW3050B)**			Prep Date: **6/11/2008**		Analyst: **JG**
Aluminum	7000	240		mg/Kg-dry	100	6/11/2008
Antimony	ND	2.4		mg/Kg-dry	10	6/11/2008
Arsenic	22	1.2		mg/Kg-dry	10	6/11/2008
Barium	170	1.2		mg/Kg-dry	10	6/11/2008
Beryllium	ND	0.58		mg/Kg-dry	10	6/11/2008
Cadmium	ND	0.58		mg/Kg-dry	10	6/11/2008
Calcium	9100	70		mg/Kg-dry	10	6/11/2008
Chromium	12	1.2		mg/Kg-dry	10	6/11/2008
Cobalt	4.6	1.2		mg/Kg-dry	10	6/11/2008
Copper	83	2.8		mg/Kg-dry	10	6/11/2008
Iron	35000	34		mg/Kg-dry	10	6/11/2008
Lead	140	0.58		mg/Kg-dry	10	6/11/2008
Magnesium	4800	34		mg/Kg-dry	10	6/11/2008
Manganese	900	1.2		mg/Kg-dry	10	6/11/2008
Nickel	14	1.2		mg/Kg-dry	10	6/11/2008
Potassium	920	34		mg/Kg-dry	10	6/11/2008
Selenium	ND	1.2		mg/Kg-dry	10	6/11/2008
Silver	ND	1.2		mg/Kg-dry	10	6/11/2008
Sodium	93	70		mg/Kg-dry	10	6/11/2008
Thallium	ND	1.2		mg/Kg-dry	10	6/11/2008
Vanadium	19	1.2		mg/Kg-dry	10	6/11/2008
Zinc	450	58		mg/Kg-dry	100	6/11/2008
Cyanide, Total	**SW9012A**			Prep Date: **6/10/2008**		Analyst: **KB**
Cyanide	ND	0.3		mg/Kg-dry	1	6/11/2008
pH (25 °C)	**SW9045C**			Prep Date: **6/10/2008**		Analyst: **FD**
pH	8.2			pH Units	1	6/10/2008
Percent Moisture	**D2974**			Prep Date: **6/11/2008**		Analyst: **FD**
Percent Moisture	15.3	0.01		wt%	1	6/12/2008

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
HT - Sample received past holding time
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R - RPD outside accepted recovery limits
E - Value above quantitation range
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Date Reported: July 18, 2008
Date Printed: July 18, 2008

Client: Illinois Environmental Protection Agency
Lab Order: 08060288
Project: PR50, 0971255020, North Chicago
Lab ID: 08060288-007

Client Sample ID: X116A
Collection Date: 6/4/2008 4:15:00 PM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Total Petroleum Hydrocarbons	**SW8015M (SW3580A)**			Prep Date: **6/10/2008**		Analyst: **JT**
TPH (GRO)	2000	23		mg/Kg-dry	1	6/11/2008
TPH (DRO)	120	23		mg/Kg-dry	1	6/11/2008
TPH (ERO)	92	23	*	mg/Kg-dry	1	6/11/2008
Percent Moisture	**D2974**			Prep Date: **6/11/2008**		Analyst: **FD**
Percent Moisture	14.3	0.01	*	wt%	1	6/12/2008

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
HT - Sample received past holding time
* - Non-accredited parameter
RL - Reporting / Quantitation Limit for the analysis
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R - RPD outside accepted recovery limits
E - Value above quantitation range
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Date Reported: July 18, 2008
Date Printed: July 18, 2008

Client: Illinois Environmental Protection Agency
Lab Order: 08060288
Project: PR50, 0971255020, North Chicago
Lab ID: 08060288-008

Client Sample ID: X118
Collection Date: 6/4/2008 1:45:00 PM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	**SW7471A**			Prep Date: **6/16/2008**		Analyst: **VA**
Mercury	0.043	0.03		mg/Kg-dry	1	6/16/2008
Metals by ICP/MS	**SW6020 (SW3050B)**			Prep Date: **6/11/2008**		Analyst: **JG**
Aluminum	13000	230		mg/Kg-dry	100	6/11/2008
Antimony	ND	2.3		mg/Kg-dry	10	6/11/2008
Arsenic	9.9	1.2		mg/Kg-dry	10	6/11/2008
Barium	84	1.2		mg/Kg-dry	10	6/11/2008
Beryllium	ND	0.61		mg/Kg-dry	10	6/11/2008
Cadmium	ND	0.61		mg/Kg-dry	10	6/11/2008
Calcium	5300	72		mg/Kg-dry	10	6/11/2008
Chromium	25	1.2		mg/Kg-dry	10	6/11/2008
Cobalt	12	1.2		mg/Kg-dry	10	6/11/2008
Copper	26	3		mg/Kg-dry	10	6/11/2008
Iron	28000	36		mg/Kg-dry	10	6/11/2008
Lead	31	0.61		mg/Kg-dry	10	6/11/2008
Magnesium	6300	36		mg/Kg-dry	10	6/11/2008
Manganese	450	1.2		mg/Kg-dry	10	6/11/2008
Nickel	29	1.2		mg/Kg-dry	10	6/11/2008
Potassium	1700	36		mg/Kg-dry	10	6/11/2008
Selenium	ND	1.2		mg/Kg-dry	10	6/11/2008
Silver	ND	1.2		mg/Kg-dry	10	6/11/2008
Sodium	130	72		mg/Kg-dry	10	6/11/2008
Thallium	ND	1.2		mg/Kg-dry	10	6/11/2008
Vanadium	28	1.2		mg/Kg-dry	10	6/11/2008
Zinc	94	6.1		mg/Kg-dry	10	6/11/2008
Cyanide, Total	**SW9012A**			Prep Date: **6/10/2008**		Analyst: **KB**
Cyanide	ND	0.31		mg/Kg-dry	1	6/11/2008
pH (25 °C)	**SW9045C**			Prep Date: **6/10/2008**		Analyst: **FD**
pH	7.9			pH Units	1	6/10/2008
Percent Moisture	**D2974**			Prep Date: **6/11/2008**		Analyst: **FD**
Percent Moisture	19.1	0.01	*	wt%	1	6/12/2008

Qualifiers:
ND - Not Detected at the Reporting Limit
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HT - Sample received past holding time
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Date Reported: July 18, 2008
Date Printed: July 18, 2008

Client: Illinois Environmental Protection Agency
Lab Order: 08060288
Project: PR50, 0971255020, North Chicago
Lab ID: 08060288-009

Client Sample ID: X121
Collection Date: 6/3/2008 10:20:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	**SW7471A**			Prep Date: **6/16/2008**		Analyst: **VA**
Mercury	ND	0.028		mg/Kg-dry	1	6/16/2008
Metals by ICP/MS	**SW6020 (SW3050B)**			Prep Date: **6/11/2008**		Analyst: **JG**
Aluminum	5000	22		mg/Kg-dry	10	6/11/2008
Antimony	ND	2.2		mg/Kg-dry	10	6/11/2008
Arsenic	9.3	1.1		mg/Kg-dry	10	6/11/2008
Barium	27	1.1		mg/Kg-dry	10	6/11/2008
Beryllium	ND	0.55		mg/Kg-dry	10	6/11/2008
Cadmium	ND	0.55		mg/Kg-dry	10	6/11/2008
Calcium	60000	660		mg/Kg-dry	100	6/11/2008
Chromium	9.3	1.1		mg/Kg-dry	10	6/11/2008
Cobalt	6.3	1.1		mg/Kg-dry	10	6/11/2008
Copper	16	2.8		mg/Kg-dry	10	6/11/2008
Iron	15000	33		mg/Kg-dry	10	6/11/2008
Lead	10	0.55		mg/Kg-dry	10	6/11/2008
Magnesium	35000	33		mg/Kg-dry	10	6/11/2008
Manganese	600	1.1		mg/Kg-dry	10	6/11/2008
Nickel	16	1.1		mg/Kg-dry	10	6/11/2008
Potassium	910	33		mg/Kg-dry	10	6/11/2008
Selenium	ND	1.1		mg/Kg-dry	10	6/11/2008
Silver	ND	1.1		mg/Kg-dry	10	6/11/2008
Sodium	140	66		mg/Kg-dry	10	6/11/2008
Thallium	ND	1.1		mg/Kg-dry	10	6/11/2008
Vanadium	19	1.1		mg/Kg-dry	10	6/11/2008
Zinc	46	5.5		mg/Kg-dry	10	6/11/2008
Cyanide, Total	**SW9012A**			Prep Date: **6/10/2008**		Analyst: **KB**
Cyanide	ND	0.3		mg/Kg-dry	1	6/11/2008
pH (25 °C)	**SW9045C**			Prep Date: **6/10/2008**		Analyst: **FD**
pH	7.6			pH Units	1	6/10/2008
Percent Moisture	**D2974**			Prep Date: **6/11/2008**		Analyst: **FD**
Percent Moisture	17.6	0.01		wt%	1	6/12/2008

Qualifiers:
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B - Analyte detected in the associated Method Blank
HT - Sample received past holding time
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R - RPD outside accepted recovery limits
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Date Reported: July 18, 2008
Date Printed: July 18, 2008

Client: Illinois Environmental Protection Agency
Lab Order: 08060288
Project: PR50, 0971255020, North Chicago
Lab ID: 08060288-010

Client Sample ID: X164
Collection Date: 6/4/2008 10:45:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	**SW7471A**			Prep Date: **6/16/2008**		Analyst: **VA**
Mercury	ND	0.028		mg/Kg-dry	1	6/16/2008
Metals by ICP/MS	**SW6020 (SW3050B)**			Prep Date: **6/11/2008**		Analyst: **JG**
Aluminum	8600	210		mg/Kg-dry	100	6/11/2008
Antimony	ND	2.1		mg/Kg-dry	10	6/11/2008
Arsenic	7.5	1.1		mg/Kg-dry	10	6/11/2008
Barium	52	1.1		mg/Kg-dry	10	6/11/2008
Beryllium	ND	0.55		mg/Kg-dry	10	6/11/2008
Cadmium	ND	0.55		mg/Kg-dry	10	6/11/2008
Calcium	67000	650		mg/Kg-dry	100	6/11/2008
Chromium	16	1.1		mg/Kg-dry	10	6/11/2008
Cobalt	13	1.1		mg/Kg-dry	10	6/11/2008
Copper	17	2.7		mg/Kg-dry	10	6/11/2008
Iron	22000	33		mg/Kg-dry	10	6/11/2008
Lead	10	0.55		mg/Kg-dry	10	6/11/2008
Magnesium	38000	33		mg/Kg-dry	10	6/11/2008
Manganese	700	1.1		mg/Kg-dry	10	6/11/2008
Nickel	28	1.1		mg/Kg-dry	10	6/11/2008
Potassium	1700	33		mg/Kg-dry	10	6/11/2008
Selenium	ND	1.1		mg/Kg-dry	10	6/11/2008
Silver	ND	1.1		mg/Kg-dry	10	6/11/2008
Sodium	180	65		mg/Kg-dry	10	6/11/2008
Thallium	ND	1.1		mg/Kg-dry	10	6/11/2008
Vanadium	18	1.1		mg/Kg-dry	10	6/11/2008
Zinc	49	5.5		mg/Kg-dry	10	6/11/2008
Cyanide, Total	**SW9012A**			Prep Date: **6/10/2008**		Analyst: **KB**
Cyanide	ND	0.3		mg/Kg-dry	1	6/11/2008
pH (25 °C)	**SW9045C**			Prep Date: **6/10/2008**		Analyst: **FD**
pH	7.7			pH Units	1	6/10/2008
Percent Moisture	**D2974**			Prep Date: **6/11/2008**		Analyst: **FD**
Percent Moisture	15.6	0.01	*	wt%	1	6/12/2008

Qualifiers:
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B - Analyte detected in the associated Method Blank
HT - Sample received past holding time
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R - RPD outside accepted recovery limits
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Date Reported: July 18, 2008
Date Printed: July 18, 2008

Client: Illinois Environmental Protection Agency
Lab Order: 08060288
Project: PR50, 0971255020, North Chicago
Lab ID: 08060288-011

Client Sample ID: G113
Collection Date: 6/3/2008 5:30:00 PM
Matrix: Water

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	**SW7470A**			Prep Date: **6/11/2008**		Analyst: **VA**
Mercury	ND	0.00025		mg/L	1	6/12/2008
Metals by ICP/MS	**SW6020 (SW3005A)**			Prep Date: **6/10/2008**		Analyst: **JG**
Aluminum	1.3	0.04		mg/L	2	6/10/2008
Antimony	ND	0.006		mg/L	2	6/10/2008
Arsenic	ND	0.004		mg/L	2	6/10/2008
Barium	0.24	0.004		mg/L	2	6/10/2008
Beryllium	ND	0.002		mg/L	2	6/10/2008
Cadmium	ND	0.002		mg/L	2	6/10/2008
Calcium	150	0.2		mg/L	2	6/10/2008
Chromium	0.0044	0.004		mg/L	2	6/10/2008
Cobalt	ND	0.004		mg/L	2	6/10/2008
Copper	ND	0.01		mg/L	2	6/10/2008
Iron	8.2	0.1		mg/L	2	6/10/2008
Lead	0.0027	0.002		mg/L	2	6/10/2008
Magnesium	80	0.1		mg/L	2	6/10/2008
Manganese	0.15	0.004		mg/L	2	6/10/2008
Nickel	0.0085	0.004		mg/L	2	6/10/2008
Potassium	2.7	0.1		mg/L	2	6/10/2008
Selenium	ND	0.004		mg/L	2	6/10/2008
Silver	ND	0.004		mg/L	2	6/10/2008
Sodium	71	0.1		mg/L	2	6/10/2008
Thallium	ND	0.004		mg/L	2	6/10/2008
Vanadium	ND	0.004		mg/L	2	6/10/2008
Zinc	0.032	0.02		mg/L	2	6/10/2008
Cyanide, Total	**SW9012A**			Prep Date: **6/11/2008**		Analyst: **KB**
Cyanide	ND	0.005		mg/L	1	6/11/2008

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
HT - Sample received past holding time
* - Non-accredited parameter
RL - Reporting / Quantitation Limit for the analysis
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H - Holding time exceeded

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Date Reported: July 18, 2008
Date Printed: July 18, 2008

Client: Illinois Environmental Protection Agency
Lab Order: 08060288
Project: PR50, 0971255020, North Chicago
Lab ID: 08060288-013

Client Sample ID: G118
Collection Date: 6/4/2008 3:55:00 PM
Matrix: Water

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	**SW7470A**			Prep Date: **6/11/2008**		Analyst: **VA**
Mercury	ND	0.00025		mg/L	1	6/12/2008
Metals by ICP/MS	**SW6020 (SW3005A)**			Prep Date: **6/10/2008**		Analyst: **JG**
Aluminum	7.7	0.04		mg/L	2	6/10/2008
Antimony	ND	0.006		mg/L	2	6/10/2008
Arsenic	0.0072	0.004		mg/L	2	6/10/2008
Barium	0.098	0.004		mg/L	2	6/10/2008
Beryllium	ND	0.002		mg/L	2	6/10/2008
Cadmium	ND	0.002		mg/L	2	6/10/2008
Calcium	93	0.2		mg/L	2	6/10/2008
Chromium	0.026	0.004		mg/L	2	6/10/2008
Cobalt	ND	0.004		mg/L	2	6/10/2008
Copper	0.019	0.01		mg/L	2	6/10/2008
Iron	12	0.1		mg/L	2	6/10/2008
Lead	0.062	0.002		mg/L	2	6/10/2008
Magnesium	42	0.1		mg/L	2	6/10/2008
Manganese	0.26	0.004		mg/L	2	6/10/2008
Nickel	0.02	0.004		mg/L	2	6/10/2008
Potassium	6.2	0.1		mg/L	2	6/10/2008
Selenium	0.0053	0.004		mg/L	2	6/10/2008
Silver	ND	0.004		mg/L	2	6/10/2008
Sodium	27	0.1		mg/L	2	6/10/2008
Thallium	ND	0.004		mg/L	2	6/10/2008
Vanadium	0.017	0.004		mg/L	2	6/10/2008
Zinc	0.08	0.02		mg/L	2	6/10/2008
Cyanide, Total	**SW9012A**			Prep Date: **6/11/2008**		Analyst: **KB**
Cyanide	ND	0.005		mg/L	1	6/11/2008

Qualifiers:
- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quanititation limits
- B - Analyte detected in the associated Method Blank
- HT - Sample received past holding time
- * - Non-accredited parameter
- RL - Reporting / Quantitation Limit for the analysis
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range
- H - Holding time exceeded

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Date Reported: July 18, 2008
Date Printed: July 18, 2008

Client: Illinois Environmental Protection Agency
Lab Order: 08060288
Project: PR50, 0971255020, North Chicago
Lab ID: 08060288-014

Client Sample ID: G105
Collection Date: 6/5/2008 10:55:00 AM
Matrix: Water

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	**SW7470A**			Prep Date: **6/11/2008**		Analyst: **VA**
Mercury	ND	0.00025		mg/L	1	6/12/2008
Metals by ICP/MS	**SW6020 (SW3005A)**			Prep Date: **6/10/2008**		Analyst: **JG**
Aluminum	0.14	0.04		mg/L	2	6/10/2008
Antimony	ND	0.006		mg/L	2	6/10/2008
Arsenic	0.13	0.004		mg/L	2	6/10/2008
Barium	0.066	0.004		mg/L	2	6/10/2008
Beryllium	ND	0.002		mg/L	2	6/10/2008
Cadmium	ND	0.002		mg/L	2	6/10/2008
Calcium	66	0.2		mg/L	2	6/10/2008
Chromium	0.012	0.004		mg/L	2	6/10/2008
Cobalt	ND	0.004		mg/L	2	6/10/2008
Copper	0.01	0.01		mg/L	2	6/10/2008
Iron	5.6	0.1		mg/L	2	6/10/2008
Lead	0.014	0.002		mg/L	2	6/10/2008
Magnesium	19	0.1		mg/L	2	6/10/2008
Manganese	0.044	0.004		mg/L	2	6/10/2008
Nickel	0.013	0.004		mg/L	2	6/10/2008
Potassium	0.45	0.1		mg/L	2	6/10/2008
Selenium	ND	0.004		mg/L	2	6/10/2008
Silver	ND	0.004		mg/L	2	6/10/2008
Sodium	7.5	0.1		mg/L	2	6/10/2008
Thallium	ND	0.004		mg/L	2	6/10/2008
Vanadium	ND	0.004		mg/L	2	6/10/2008
Zinc	ND	0.02		mg/L	2	6/10/2008
Cyanide, Total	**SW9012A**			Prep Date: **6/11/2008**		Analyst: **KB**
Cyanide	ND	0.005		mg/L	1	6/11/2008

Qualifiers:

ND - Not Detected at the Reporting Limit
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HT - Sample received past holding time
* - Non-accredited parameter
RL - Reporting / Quantitation Limit for the analysis
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H - Holding time exceeded

STAT Analysis Corporation
2242 West Harrison St., Suite 200, Chicago, IL 60612-3766
Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com
Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Reported: July 18, 2008
Date Printed: July 18, 2008

Client: Illinois Environmental Protection Agency
Lab Order: 08060288
Project: PR50, 0971255020, North Chicago
Lab ID: 08060288-015

Client Sample ID: X120
Collection Date: 6/5/2008 1:00:00 PM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	**SW7471A**			Prep Date: **6/16/2008**		Analyst: **VA**
Mercury	ND	0.03		mg/Kg-dry	1	6/16/2008
Metals by ICP/MS	**SW6020 (SW3050B)**			Prep Date: **6/11/2008**		Analyst: **JG**
Aluminum	7400	240		mg/Kg-dry	100	6/11/2008
Antimony	ND	2.4		mg/Kg-dry	10	6/11/2008
Arsenic	7.4	1.2		mg/Kg-dry	10	6/11/2008
Barium	56	1.2		mg/Kg-dry	10	6/11/2008
Beryllium	ND	0.59		mg/Kg-dry	10	6/11/2008
Cadmium	ND	0.59		mg/Kg-dry	10	6/11/2008
Calcium	78000	710		mg/Kg-dry	100	6/11/2008
Chromium	17	1.2		mg/Kg-dry	10	6/11/2008
Cobalt	8.3	1.2		mg/Kg-dry	10	6/11/2008
Copper	23	3		mg/Kg-dry	10	6/11/2008
Iron	22000	36		mg/Kg-dry	10	6/11/2008
Lead	25	0.59		mg/Kg-dry	10	6/11/2008
Magnesium	47000	36		mg/Kg-dry	10	6/11/2008
Manganese	790	1.2		mg/Kg-dry	10	6/11/2008
Nickel	22	1.2		mg/Kg-dry	10	6/11/2008
Potassium	1600	36		mg/Kg-dry	10	6/11/2008
Selenium	ND	1.2		mg/Kg-dry	10	6/11/2008
Silver	ND	1.2		mg/Kg-dry	10	6/11/2008
Sodium	190	71		mg/Kg-dry	10	6/11/2008
Thallium	ND	1.2		mg/Kg-dry	10	6/11/2008
Vanadium	20	1.2		mg/Kg-dry	10	6/11/2008
Zinc	78	5.9		mg/Kg-dry	10	6/11/2008
Cyanide, Total	**SW9012A**			Prep Date: **6/10/2008**		Analyst: **KB**
Cyanide	ND	0.3		mg/Kg-dry	1	6/11/2008
pH (25 °C)	**SW9045C**			Prep Date: **6/10/2008**		Analyst: **FD**
pH	8.0			pH Units	1	6/10/2008
Percent Moisture	**D2974**			Prep Date: **6/11/2008**		Analyst: **FD**
Percent Moisture	17.4	0.01	*	wt%	1	6/12/2008

Qualifiers:
ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank
HT - Sample received past holding time
* - Non-accredited parameter
RL - Reporting / Quantitation Limit for the analysis
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H - Holding time exceeded

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Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com
Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Reported: July 18, 2008
Date Printed: July 18, 2008

Client: Illinois Environmental Protection Agency
Lab Order: 08060288
Project: PR50, 0971255020, North Chicago
Lab ID: 08060288-016

Client Sample ID: X124
Collection Date: 6/5/2008 5:00:00 PM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	**SW7471A**			Prep Date: **6/16/2008**		Analyst: **VA**
Mercury	0.078	0.027		mg/Kg-dry	1	6/16/2008
Metals by ICP/MS	**SW6020 (SW3050B)**			Prep Date: **6/11/2008**		Analyst: **JG**
Aluminum	5700	200		mg/Kg-dry	100	6/11/2008
Antimony	7.2	2		mg/Kg-dry	10	6/11/2008
Arsenic	6	0.98		mg/Kg-dry	10	6/11/2008
Barium	75	0.98		mg/Kg-dry	10	6/11/2008
Beryllium	ND	0.49		mg/Kg-dry	10	6/11/2008
Cadmium	1.6	0.49		mg/Kg-dry	10	6/11/2008
Calcium	38000	59		mg/Kg-dry	10	6/11/2008
Chromium	24	0.98		mg/Kg-dry	10	6/11/2008
Cobalt	33	0.98		mg/Kg-dry	10	6/11/2008
Copper	410	2.4		mg/Kg-dry	10	6/11/2008
Iron	14000	29		mg/Kg-dry	10	6/11/2008
Lead	350	0.49		mg/Kg-dry	10	6/11/2008
Magnesium	21000	29		mg/Kg-dry	10	6/11/2008
Manganese	380	0.98		mg/Kg-dry	10	6/11/2008
Nickel	18	0.98		mg/Kg-dry	10	6/11/2008
Potassium	770	29		mg/Kg-dry	10	6/11/2008
Selenium	ND	0.98		mg/Kg-dry	10	6/11/2008
Silver	ND	0.98		mg/Kg-dry	10	6/11/2008
Sodium	80	59		mg/Kg-dry	10	6/11/2008
Thallium	ND	0.98		mg/Kg-dry	10	6/11/2008
Vanadium	17	0.98		mg/Kg-dry	10	6/11/2008
Zinc	1200	49		mg/Kg-dry	100	6/11/2008
Cyanide, Total	**SW9012A**			Prep Date: **6/10/2008**		Analyst: **KB**
Cyanide	ND	0.28		mg/Kg-dry	1	6/11/2008
Organic Carbon Content	**D2974**			Prep Date: **6/11/2008**		Analyst: **FD**
Organic Carbon Content	2.4	0.01	*	wt%	1	6/12/2008
pH (25 °C)	**SW9045C**			Prep Date: **6/10/2008**		Analyst: **FD**
pH	7.8			pH Units	1	6/10/2008
Percent Moisture	**D2974**			Prep Date: **6/11/2008**		Analyst: **FD**
Percent Moisture	9.7	0.01	*	wt%	1	6/12/2008

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
HT - Sample received past holding time
* - Non-accredited parameter
RL - Reporting / Quantitation Limit for the analysis
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H - Holding time exceeded

Illinois Environmental Protection Agency Chain of Custody

Preservative Codes	Container Description	
	Soil	Aqueous
1 None	VOC - 2 oz glass (2)	VOC - 40 mL glass (3)
2 VOA - HCl	SVOC - 8 oz glass (1)	SVOC Pest/PCB - 40 oz amber glass (1)*
3 Metals - HNO_3	Pest/PCB - 8 oz glass (1)	Inorganics - 1 qt. plastic (1)
4 Cyanide - NaOH	Inorganics - 16 oz glass (1)	* duplicate 1 out of 10
5 Other		
6 Other		

Fund	LPC#.	Locality.	Cooler Initially Sealed By	Date Initially Sealed
PR50	0971255020		[signature]	5-30-08
Section	**Site Name:**	**Project Manager:**	**Phone Number**	**Initial Cooler Seal #**
	North Chicago	Jim Salch	217-785-8726	047

(a.k.a Chemical Packing)

Lab Sample No.	Total Metals	Cyan.	Mercury	TPH				Field Sample Number	Matrix	No of Bottles	Date Collected	Time Collected (24 hr clock)	Sampler's Initials	Special Notations	Legal Hold Y or N
001	X	X	X	X				X110	soil	2	6-3-08	1300	TW		
002	X	X	X					X111A	soil	1	6-3-08	1400	TW		
003	X	X	X					X112	soil	1	6-4-08	1715	TW		
004	X	X	X	X				X113	soil	2	6-3-08	1530	TW		
005	X	X	X					X114A	soil	1	6-4-08	1045	TW		
006	X	X	X					X115	soil	1	6-4-08	1200	TW		
007				X				X116A	soil	1	6-4-08	1615	TW		
008	X	X	X					X118	soil	1	6-4-08	1345	TW	MS/MSD	
009	X	X	X					X121	soil	1	6-3-08	1020	TW		
010	X	X	X					X164	soil	1	6-4-08	1045	TW		
011	X	X						G113	water	2	6-3-08	1730	TW		
012								G163	water	2	6-3-08	1730	TW		

Opener: I certify that I received the sample shipping container with the shipping container sealed and intact

Cooler Opened by:	Seal No:	Date:	Time:	Intact
Tony Wasilewski	047	6-4-08	1530	Y-N
				Y-N

Sealer: I certify that the samples listed above were collected in my presence and sealed by me.

Cooler Sealed By:	Seal No.:	Date:	Time:
Tony Wasilewski	016	6-5-08	1715

I certify that I received the cooler containing the above samples with the seal(s) intact.

Received for Lab by:	Seal No:	Date:	Time:	Intact:
[signature]		6/6/08	1530	Y-N

Sample Courier: UPS

Turnaround Time Requested:

Samplers: Tony Wasilewski

Lab Comments: OE06028E

Supervisor Releasing Results: Date:

Illinois Environmental Protection Agency Chain of Custody

Preservative Codes	Container Description: Soil	Container Description: Aqueous
1 None		
2 VOA - HCl	VOC - 2 oz. glass (2)	VOC - 40 mL glass (3)
3 Metals - HNO_3	SVOC - 8 oz. glass (1)	SVOC, Pest/PCB - 40 oz. amber glass (1)
4 Cyanide - NaOH	Pest/PCB - 8 oz. glass (1)	
5 Other	Inorganics - 16 oz. glass (1)	Inorganics - 1 qt. plastic (1)
6 Other		* duplicate 1 out of 10

Fund	LPC#	Locality:	Cooler Initially Sealed By	Date Initially Sealed
PR50	0971255020		[illegible]	5-14-08
Section	**Site Name**	**Project Manager**	**Phone Number**	**Initial Cooler Seal #**
	North Chicago (a.k.a Chemical Packing)	Jim Salch	217-785-8726	047

Lab Sample No.	Total Metals	Cyanide	Mercury	TPH	pH	FOC		Field Sample Number	Matrix	No of Bottles	Date Collected	Time Collected (24 hr clock)	Sampler's Initials	Special Notations	Legal Hold Y or N
013	X	X						G118	water	4	6-4-08	1555	JW		
014	X	X						G105	water	2	6-5-08	1055	JW		
	X	X	X					X119	soil	1	6-5-08	1430	JW		
015	X	X	X					X120	soil	1	6-5-08	1300	JW		
	X	X	X					X130	soil	1	6-5-08	1630	JW		
016	X	X	X			X		X124	soil	2	6-5-08	1700	JW		

Opener: I certify that I received the sample shipping container with the shipping container sealed and intact.

Cooler Opened by:	Seal No:	Date:	Time:	Intact
Tony Wasilewski	047	6-4-08	1530	Y-N
				Y-N

Sealer: I certify that the samples listed above were collected in my presence and sealed by me

Cooler Sealed By:	Seal No.:	Date:	Time:
Tony Wasilewski	063	6-5-08	1715

I certify that I received the cooler containing the above samples with the seal(s) intact

Received for Lab by:	Seal No:	Date:	Time:	Intact:
		6/6/08	1530	Y-N

Lab Comments: CEC60288

Supervisor Releasing Results: Date:

Sample Courier: UPS

Turnaround Time Requested: 30 days

Samplers: Jerry Willman

STAT Analysis Corporation

Sample Receipt Checklist

Client Name IEPA

Date and Time Received: 6/6/2008 3:30:00 PM

Work Order Number 08060288

Received by: CDF

Checklist completed by: Signature Date 6/9/08

Reviewed by: Initials Date 7/18/08

Matrix: Carrier name: UPS

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/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 ☐	
Container or Temp Blank temperature in compliance?	Yes ☑	No ☐	Temperature 2.3 °C
Water - VOA vials have zero headspace?	No VOA vials submitted ☑	Yes ☐	No ☐
Water - Samples pH checked?	Yes ☑	No ☐	Checked by: CT
Water - Samples properly preserved?	Yes ☑	No ☐	pH Adjusted? 100

Any No response must be detailed in the comments section below.

Comments: Sample Containers Were Received Broken For X119 And X130.

Client / Person contacted: Dave/Jim Date contacted: 6/10/08 Contacted by: CN-email

Response:

STAT Analysis Corporation

PREP BATCH REPORT

Prep Start Date: **6/9/2008 3:49:14 PM**
Prep End Date: **6/11/2008 5:32:35 P**

Prep Batch **35588** Prep Code: **3580_TPH** Technician: **ML**

Prep Factor Units: **mL / Kg**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
MB-35588-TPH			0.001	0	0	10	10000.000	6/9/2008	6/9/2008
LCS-35588-TPH			0.001	0	0	10	10000.000	6/9/2008	6/9/2008
08060298-001A	Oil		0.00112	0	0	10	8928.571	6/9/2008	6/9/2008
LCSD-35588-TPH			0.001	0	0	10	10000.000	6/9/2008	6/9/2008
08060288-001A	Soil		0.00531	0	0	5	941.620	6/10/2008	6/10/2008
08060288-004A	Soil		0.00516	0	0	5	968.992	6/10/2008	6/10/2008
08060288-007A	Soil		0.00507	0	0	5	986.193	6/10/2008	6/10/2008
08060330-001A	Soil		0.00513	0	0	5	974.659	6/10/2008	6/11/2008
08060331-001B	Soil		0.00319	0	0	5	1567.398	6/10/2008	6/11/2008

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060288
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: 35588

Sample ID: **LCS-35588-TPH** SampType: **LCS** TestCode: **TPH** Units: **mg/Kg** Prep Date: **6/9/2008** Run ID: **GC-FID_080609A**
Client ID: ZZZZZ Batch ID: **35588** TestNo: **SW8015M** Analysis Date: **6/9/2008** SeqNo: **1149066**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (GRO)	883	200	1000	0	88.3	30	150	0	0		
TPH (DRO)	1006	200	1000	0	101	30	150	0	0		
TPH (ERO)	1152	200	1000	0	115	30	150	0	0		

Sample ID: **LCSD-35588-TPH** SampType: **LCSD** TestCode: **TPH** Units: **mg/Kg** Prep Date: **6/9/2008** Run ID: **GC-FID_080609A**
Client ID: ZZZZZ Batch ID: **35588** TestNo: **SW8015M** Analysis Date: **6/9/2008** SeqNo: **1149067**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (GRO)	845.9	200	1000	0	84.6	30	150	883	4.29	25	
TPH (DRO)	958.5	200	1000	0	95.8	30	150	1006	4.89	25	
TPH (ERO)	1111	200	1000	0	111	30	150	1152	3.62	25	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded
B - Analyte detected in the associated Method Blank
E - Value above quantitation range

STAT Analysis Corporation

PREP BATCH REPORT

Prep Start Date: **6/10/2008 10:00:00**
Prep End Date: **6/10/2008 3:45:00 P**

Prep Batch **35613** Prep Code: **M_W_PREP** Technician: **PN**

Prep Factor Units.
mL / mL

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
IMBW1 6/10/08			50	0	0	50	1.000	6/10/2008	6/10/2008
ILCSW1 6/10/08			50	0	0	50	1.000	6/10/2008	6/10/2008
IMBTCLP1 6/9/08			50	0	0	50	1.000	6/10/2008	6/10/2008
IMBSPLP 6/9/08			50	0	0	50	1.000	6/10/2008	6/10/2008
08050631-001B	Soil		50	0	0	50	1.000	6/10/2008	6/10/2008
08060154-007A	Water		50	0	0	50	1.000	6/10/2008	6/10/2008
08060154-008B	Water		50	0	0	50	1.000	6/10/2008	6/10/2008
08060288-011A	Water		50	0	0	50	1.000	6/10/2008	6/10/2008
08060288-013A	Water		50	0	0	50	1.000	6/10/2008	6/10/2008
08060288-014A	Water		50	0	0	50	1.000	6/10/2008	6/10/2008
08060299-001A	Solid		50	0	0	50	1.000	6/10/2008	6/10/2008
08060303-001A	Liquid		50	0	0	50	1.000	6/10/2008	6/10/2008
08060304-001A	Solid		50	0	0	50	1.000	6/10/2008	6/10/2008
08060288-011AMS	Water		50	0	0	50	1.000	6/10/2008	6/10/2008
08060288-011AMSD	Water		50	0	0	50	1.000	6/10/2008	6/10/2008
08050631-001BMS	Soil		50	0	0	50	1.000	6/10/2008	6/10/2008
08060285-001B	Soil		50	0	0	50	1.000	6/10/2008	6/10/2008
08060285-002B	Soil		50	0	0	50	1.000	6/10/2008	6/10/2008
08060285-003B	Soil		50	0	0	50	1.000	6/10/2008	6/10/2008
08060285-004B	Soil		50	0	0	50	1.000	6/10/2008	6/10/2008
08060285-001BMS	Soil		50	0	0	50	1.000	6/10/2008	6/10/2008

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060288
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: 35613

Sample ID: **IMBW1 6/10/08** SampType: **MBLK** TestCode: **M_ICPMS_W** Units: **mg/L** Prep Date: **6/10/2008** Run ID: **ICPMS_080610A**
Client ID: ZZZZZ Batch ID: **35613** TestNo: **SW6020** Analysis Date: **6/10/2008** SeqNo: **1149958**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	0.02533	0.040									J
Antimony	ND	0.0060									
Cobalt	ND	0.0040									
Sodium	0.08999	0.30									J

Sample ID: **IMBW1 6/10/08** SampType: **MBLK** TestCode: **M_ICPMS_W** Units: **mg/L** Prep Date: **6/10/2008** Run ID: **ICPMS-2_080610A**
Client ID: ZZZZZ Batch ID: **35613** TestNo: **SW6020** Analysis Date: **6/10/2008** SeqNo: **1150010**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.0040									
Barium	ND	0.0040									
Beryllium	ND	0.0020									
Cadmium	ND	0.0020									
Calcium	ND	0.20									
Chromium	ND	0.0040									
Copper	ND	0.010									
Iron	ND	0.10									
Lead	ND	0.0020									
Magnesium	ND	0.10									
Manganese	ND	0.0040									
Nickel	ND	0.0040									
Potassium	0.03269	0.10									J
Selenium	ND	0.0040									
Silver	ND	0.0040									
Thallium	ND	0.0020									
Vanadium	ND	0.0040									
Zinc	0.00263	0.020									J

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded
B - Analyte detected in the associated Method Blank
E - Value above quantitation range

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060288
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: 35613

Sample ID: **ILCSW1 6/10/08** SampType: **LCS** TestCode: **M_ICPMS_W** Units: **mg/L** Prep Date: **6/10/2008** Run ID: **ICPMS_080610A**
Client ID: ZZZZZ Batch ID: **35613** TestNo: **SW6020** Analysis Date: **6/10/2008** SeqNo: **1149959**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	0.5008	0.040	0.5	0.02533	95.1	80	120	0	0		
Antimony	0.3784	0.0060	0.25	0	151	80	120	0	0		S
Cobalt	0.5025	0.0040	0.5	0	100	80	120	0	0		
Sodium	1.993	0.30	2	0.08999	95.2	80	120	0	0		

Sample ID: **ILCSW1 6/10/08** SampType: **LCS** TestCode: **M_ICPMS_W** Units: **mg/L** Prep Date: **6/10/2008** Run ID: **ICPMS-2_080610A**
Client ID: ZZZZZ Batch ID: **35613** TestNo: **SW6020** Analysis Date: **6/10/2008** SeqNo: **1150011**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.4926	0.0040	0.5	0	98.5	80	120	0	0		
Barium	0.506	0.0040	0.5	0	101	80	120	0	0		
Beryllium	0.4805	0.0020	0.5	0	96.1	80	120	0	0		
Cadmium	0.4932	0.0020	0.5	0	98.6	80	120	0	0		
Calcium	2.147	0.20	2	0	107	80	120	0	0		
Chromium	0.5176	0.0040	0.5	0	104	80	120	0	0		
Copper	0.5223	0.010	0.5	0	104	80	120	0	0		
Iron	2.153	0.10	2	0	108	80	120	0	0		
Lead	0.4947	0.0020	0.5	0	98.9	80	120	0	0		
Magnesium	2.051	0.10	2	0	103	80	120	0	0		
Manganese	0.5313	0.0040	0.5	0	106	80	120	0	0		
Nickel	0.5308	0.0040	0.5	0	106	80	120	0	0		
Potassium	2.062	0.10	2	0.03269	101	80	120	0	0		
Selenium	0.4905	0.0040	0.5	0	98.1	80	120	0	0		
Silver	0.1996	0.0040	0.2	0	99.8	80	120	0	0		
Thallium	0.4863	0.0020	0.5	0	97.3	80	120	0	0		
Vanadium	0.496	0.0040	0.5	0	99.2	80	120	0	0		
Zinc	0.5204	0.020	0.5	0.00263	104	80	120	0	0		

Qualifiers:
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R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded
B - Analyte detected in the associated Method Blank
E - Value above quantitation range

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060288
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: 35613

Sample ID: **08060288-011AMS** SampType: **MS** TestCode: **M_ICPMS_W** Units: **mg/L** Prep Date: **6/10/2008** Run ID: **ICPMS_080610A**
Client ID: **G113** Batch ID: **35613** TestNo: **SW6020** Analysis Date: **6/10/2008** SeqNo: **1149961**

Analyte	Result	PQL	SPK value	SPK Ref.Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	1.553	0.040	0.5	1.336	43.4	75	125	0	0		S
Antimony	0.3626	0.0060	0.25	0	145	75	125	0	0		S
Calcium	147.4	0.20	2	148.2	-40	75	125	0	0		S
Cobalt	0.4489	0.0040	0.5	0	89.8	75	125	0	0		
Sodium	70.45	0.30	2	71.13	-34	75	125	0	0		S

Sample ID: **08060288-011AMS** SampType: **MS** TestCode: **M_ICPMS_W** Units: **mg/L** Prep Date: **6/10/2008** Run ID: **ICPMS-2_080610A**
Client ID: **G113** Batch ID: **35613** TestNo: **SW6020** Analysis Date: **6/10/2008** SeqNo: **1150015**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.4918	0.0040	0.5	0.00228	97.9	75	125	0	0		
Barium	0.7557	0.0040	0.5	0.245	102	75	125	0	0		
Beryllium	0.4777	0.0020	0.5	0	95.5	75	125	0	0		
Cadmium	0.4833	0.0020	0.5	0	96.7	75	125	0	0		
Chromium	0.493	0.0040	0.5	0.00439	97.7	75	125	0	0		
Copper	0.4645	0.010	0.5	0.00412	92.1	75	125	0	0		
Iron	9.595	0.10	2	8.215	69	75	125	0	0		S
Lead	0.5065	0.0020	0.5	0.00271	101	75	125	0	0		
Magnesium	85.41	0.10	2	80.39	251	75	125	0	0		S
Manganese	0.6357	0.0040	0.5	0.1468	97.8	75	125	0	0		
Nickel	0.4911	0.0040	0.5	0.00851	96.5	75	125	0	0		
Potassium	4.649	0.10	2	2.69	98	75	125	0	0		
Selenium	0.4761	0.0040	0.5	0	95.2	75	125	0	0		
Silver	0.1929	0.0040	0.2	0	96.4	75	125	0	0		
Thallium	0.5036	0.0020	0.5	0	101	75	125	0	0		
Vanadium	0.4942	0.0040	0.5	0.00222	98.4	75	125	0	0		
Zinc	0.4916	0.020	0.5	0.03234	91.9	75	125	0	0		

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E - Value above quantitation range

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060288
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: 35613

Sample ID: **08060288-011AMSD** SampType: **MSD** TestCode: **M_ICPMS_W** Units: **mg/L** Prep Date: **6/10/2008** Run ID: **ICPMS_080610A**
Client ID: **G113** Batch ID: **35613** TestNo: **SW6020** Analysis Date: **6/10/2008** SeqNo: **1149962**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	1.646	0.040	0.5	1.336	62	75	125	1.553	5.81	20	S
Antimony	0.3635	0.0060	0.25	0	145	75	125	0.3626	0.248	20	S
Calcium	149.6	0.20	2	148.2	70	75	125	147.4	1.48	20	S
Cobalt	0.4638	0.0040	0.5	0	92.8	75	125	0.4489	3.27	20	
Sodium	73.5	0.30	2	71.13	118	75	125	70.45	4.24	20	

Sample ID: **08060288-011AMSD** SampType: **MSD** TestCode: **M_ICPMS_W** Units: **mg/L** Prep Date: **6/10/2008** Run ID: **ICPMS-2_080610A**
Client ID: **G113** Batch ID: **35613** TestNo: **SW6020** Analysis Date: **6/10/2008** SeqNo: **1150016**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.5	0.0040	0.5	0.00228	99.5	75	125	0.4918	1.65	20	
Barium	0.7571	0.0040	0.5	0.245	102	75	125	0.7557	0.185	20	
Beryllium	0.4817	0.0020	0.5	0	96.3	75	125	0.4777	0.834	20	
Cadmium	0.484	0.0020	0.5	0	96.8	75	125	0.4833	0.145	20	
Chromium	0.5023	0.0040	0.5	0.00439	99.6	75	125	0.493	1.87	20	
Copper	0.4672	0.010	0.5	0.00412	92.6	75	125	0.4645	0.580	20	
Iron	9.778	0.10	2	8.215	78.2	75	125	9.595	1.89	20	
Lead	0.5173	0.0020	0.5	0.00271	103	75	125	0.5065	2.11	20	
Magnesium	82.79	0.10	2	80.39	120	75	125	85.41	3.12	20	
Manganese	0.6411	0.0040	0.5	0.1468	98.9	75	125	0.6357	0.846	20	
Nickel	0.4933	0.0040	0.5	0.00851	97	75	125	0.4911	0.447	20	
Potassium	4.662	0.10	2	2.69	98.6	75	125	4.649	0.279	20	
Selenium	0.4825	0.0040	0.5	0	96.5	75	125	0.4761	1.34	20	
Silver	0.1945	0.0040	0.2	0	97.2	75	125	0.1929	0.826	20	
Thallium	0.5112	0.0020	0.5	0	102	75	125	0.5036	1.50	20	
Vanadium	0.5032	0.0040	0.5	0.00222	100	75	125	0.4942	1.80	20	
Zinc	0.4916	0.020	0.5	0.03234	91.9	75	125	0.4916	0	20	

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CLIENT: Illinois Environmental Protection Agency
Work Order: 08060288
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: 35623

Sample ID: **IMBS1 6/11/08** SampType: **MBLK** TestCode: **M_ICPMS_S** Units: **mg/Kg** Prep Date: **6/11/2008** Run ID: **ICPMS_080611B**
Client ID: ZZZZZ Batch ID: **35623** TestNo: **SW6020** Analysis Date: **6/11/2008** SeqNo: **1151089**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	10									
Antimony	ND	1.0									
Arsenic	ND	0.50									
Barium	ND	0.50									
Beryllium	ND	0.25									
Cadmium	ND	0.25									
Calcium	ND	30									
Chromium	ND	0.50									
Cobalt	ND	0.50									
Copper	ND	1.2									
Iron	ND	15									
Lead	ND	0.25									
Magnesium	ND	15									
Manganese	ND	0.50									
Nickel	ND	0.50									
Potassium	ND	15									
Selenium	ND	0.50									
Silver	ND	0.50									
Sodium	ND	30									
Thallium	ND	0.50									
Vanadium	ND	0.50									
Zinc	0.6322	2.5									J

Sample ID: **ILCSS1 6/11/08** SampType: **LCS** TestCode: **M_ICPMS_S** Units: **mg/Kg** Prep Date: **6/11/2008** Run ID: **ICPMS_080611B**
Client ID: ZZZZZ Batch ID: **35623** TestNo: **SW6020** Analysis Date: **6/11/2008** SeqNo: **1151090**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	26.68	10	25	0	107	80	120	0	0		
Antimony	22.65	1.0	12.5	0	181	80	120	0	0		S
Arsenic	26.02	0.50	25	0	104	80	120	0	0		
Barium	28.18	0.50	25	0	113	80	120	0	0		

Qualifiers:
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H/HT - Holding Time Exceeded
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E - Value above quantitation range

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060288
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: 35623

Sample ID: **ILCSS1 6/11/08** SampType: **LCS** TestCode: **M_ICPMS_S** Units: **mg/Kg** Prep Date: **6/11/2008** Run ID: **ICPMS_080611B**
Client ID: ZZZZZ Batch ID: **35623** TestNo: **SW6020** Analysis Date: **6/11/2008** SeqNo: **1151090**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Beryllium	24.35	0.25	25	0	97.4	80	120	0	0		
Cadmium	26.58	0.25	25	0	106	80	120	0	0		
Calcium	104.7	30	100	0	105	80	120	0	0		
Chromium	27.05	0.50	25	0	108	80	120	0	0		
Cobalt	26.9	0.50	25	0	108	80	120	0	0		
Copper	27.15	1.2	25	0	109	80	120	0	0		
Iron	104.1	15	100	0	104	80	120	0	0		
Lead	26.85	0.25	25	0	107	80	120	0	0		
Magnesium	103.2	15	100	0	103	80	120	0	0		
Manganese	27.12	0.50	25	0	108	80	120	0	0		
Nickel	27.48	0.50	25	0	110	80	120	0	0		
Potassium	106.3	15	100	0	106	80	120	0	0		
Selenium	24.58	0.50	25	0	98.3	80	120	0	0		
Silver	10.58	0.50	10	0	106	80	120	0	0		
Sodium	106.3	30	100	0	106	80	120	0	0		
Thallium	25.78	0.50	25	0	103	80	120	0	0		
Vanadium	26.88	0.50	25	0	108	80	120	0	0		
Zinc	25.82	2.5	25	0.6322	101	80	120	0	0		

Sample ID: **08060288-008AMS** SampType: **MS** TestCode: **M_ICPMS_S** Units: **mg/Kg-dry** Prep Date: **6/11/2008** Run ID: **ICPMS_080611B**
Client ID: **X118** Batch ID: **35623** TestNo: **SW6020** Analysis Date: **6/11/2008** SeqNo: **1151106**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	8.456	2.3	14.97	1.219	48.3	75	125	0	0		S
Arsenic	39.49	1.2	29.94	9.894	98.8	75	125	0	0		
Barium	113.2	1.2	29.94	84.43	96	75	125	0	0		
Beryllium	28.91	0.59	29.94	0.5609	94.7	75	125	0	0		
Cadmium	31.16	0.59	29.94	0	104	75	125	0	0		
Calcium	4671	72	119.8	5254	-486	75	125	0	0		S
Chromium	54.92	1.2	29.94	24.97	100	75	125	0	0		
Cobalt	40.78	1.2	29.94	12	96.1	75	125	0	0		

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H/HT - Holding Time Exceeded
B - Analyte detected in the associated Method Blank
E - Value above quantitation range

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060288
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: 35623

Sample ID: **08060288-008AMS** SampType: **MS** TestCode: **M_ICPMS_S** Units: **mg/Kg-dry** Prep Date: **6/11/2008** Run ID: **ICPMS_080611B**
Client ID: **X118** Batch ID: **35623** TestNo: **SW6020** Analysis Date: **6/11/2008** SeqNo: **1151106**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	54.1	3.0	29.94	26.11	93.5	75	125	0	0		
Iron	25590	36	119.8	27530	-1620	75	125	0	0		S
Lead	64.62	0.59	29.94	31.43	111	75	125	0	0		
Magnesium	5843	36	119.8	6337	-412	75	125	0	0		S
Manganese	445.1	1.2	29.94	448.2	-10.3	75	125	0	0		S
Nickel	55.14	1.2	29.94	28.54	88.8	75	125	0	0		
Potassium	1785	36	119.8	1653	110	75	125	0	0		
Selenium	29.48	1.2	29.94	0	98.5	75	125	0	0		
Silver	11.68	1.2	11.98	0	97.5	75	125	0	0		
Sodium	239.1	72	119.8	126.4	94.1	75	125	0	0		
Thallium	30.4	1.2	29.94	0	102	75	125	0	0		
Vanadium	56.25	1.2	29.94	27.83	94.9	75	125	0	0		

Sample ID: **08060288-008AMS** SampType: **MS** TestCode: **M_ICPMS_S** Units: **mg/Kg-dry** Prep Date: **6/11/2008** Run ID: **ICPMS_080611B**
Client ID: **X118** Batch ID: **35623** TestNo: **SW6020** Analysis Date: **6/11/2008** SeqNo: **1151123**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	13190	230	29.94	12980	690	75	125	0	0		S
Zinc	121.7	59	29.94	93.1	95.5	75	125	0	0		

Sample ID: **08060288-008AMSD** SampType: **MSD** TestCode: **M_ICPMS_S** Units: **mg/Kg-dry** Prep Date: **6/11/2008** Run ID: **ICPMS_080611B**
Client ID: **X118** Batch ID: **35623** TestNo: **SW6020** Analysis Date: **6/11/2008** SeqNo: **1151107**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	7.51	2.5	15.1	1.219	41.7	75	125	8.456	11.9	20	S
Arsenic	39.32	1.2	30.21	9.894	97.4	75	125	39.49	0.422	20	
Barium	110	1.2	30.21	84.43	84.5	75	125	113.2	2.90	20	
Beryllium	28.85	0.61	30.21	0.5609	93.6	75	125	28.91	0.207	20	
Cadmium	30.73	0.61	30.21	0	102	75	125	31.16	1.38	20	
Calcium	5110	73	120.8	5254	-119	75	125	4671	8.97	20	S
Chromium	54.51	1.2	30.21	24.97	97.8	75	125	54.92	0.762	20	

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E - Value above quantitation range

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060288
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: 35623

Sample ID: **08060288-008AMSD** SampType: **MSD** TestCode: **M_ICPMS_S** Units: **mg/Kg-dry** Prep Date: **6/11/2008** Run ID: **ICPMS_080611B**
Client ID: **X118** Batch ID: **35623** TestNo: **SW6020** Analysis Date: **6/11/2008** SeqNo: **1151107**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cobalt	41.19	1.2	30.21	12	96.6	75	125	40.78	0.993	20	
Copper	53.06	3.0	30.21	26.11	89.2	75	125	54.1	1.95	20	
Iron	26160	36	120.8	27530	-1130	75	125	25590	2.20	20	S
Lead	60.66	0.61	30.21	31.43	96.8	75	125	64.62	6.33	20	
Magnesium	6027	36	120.8	6337	-256	75	125	5843	3.10	20	S
Manganese	449.5	1.2	30.21	448.2	4.6	75	125	445.1	0.997	20	S
Nickel	55.64	1.2	30.21	28.54	89.7	75	125	55.14	0.908	20	
Potassium	1690	36	120.8	1653	30.8	75	125	1785	5.46	20	S
Selenium	28.95	1.2	30.21	0	95.8	75	125	29.48	1.82	20	
Silver	11.64	1.2	12.08	0	96.3	75	125	11.68	0.362	20	
Sodium	233.9	73	120.8	126.4	89	75	125	239.1	2.20	20	
Thallium	30.36	1.2	30.21	0	100	75	125	30.4	0.134	20	
Vanadium	56.45	1.2	30.21	27.83	94.7	75	125	56.25	0.353	20	

Sample ID: **08060288-008AMSD** SampType: **MSD** TestCode: **M_ICPMS_S** Units: **mg/Kg-dry** Prep Date: **6/11/2008** Run ID: **ICPMS_080611B**
Client ID: **X118** Batch ID: **35623** TestNo: **SW6020** Analysis Date: **6/11/2008** SeqNo: **1151124**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	13360	250	30.21	12980	1270	75	125	13190	1.33	20	S
Zinc	125.6	61	30.21	93.1	108	75	125	121.7	3.16	20	

Qualifiers:
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STAT Analysis Corporation

PREP BATCH REPORT

Prep Start Date: **6/11/2008 3:10:00 P**
Prep End Date: **6/11/2008 5:10:00 P**

Prep Batch **35640** Prep Code: **M_HG_W_PRE** Technician: **VA**

Prep Factor Units: **mL / mL**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
HGMBW1 6/11/08			30	0	0	30	1.000	6/11/2008	6/11/2008
HGLCSW1 6/11/08			30	0	0	30	1.000	6/11/2008	6/11/2008
08060361-001C	Water		30	0	0	30	1.000	6/11/2008	6/11/2008
08060361-002C	Water		30	0	0	30	1.000	6/11/2008	6/11/2008
08060361-003C	Water		30	0	0	30	1.000	6/11/2008	6/11/2008
08060362-014A	Water		30	0	0	30	1.000	6/11/2008	6/11/2008
08060343-001C	Water		30	0	0	30	1.000	6/11/2008	6/11/2008
08060264-005C	Water		30	0	0	30	1.000	6/11/2008	6/11/2008
08060264-006C	Water		30	0	0	30	1.000	6/11/2008	6/11/2008
08060264-007C	Water		30	0	0	30	1.000	6/11/2008	6/11/2008
08060264-008C	Water		30	0	0	30	1.000	6/11/2008	6/11/2008
08060333-001A	Water		30	0	0	30	1.000	6/11/2008	6/11/2008
08060333-003A	Water		30	0	0	30	1.000	6/11/2008	6/11/2008
08060288-011A	Water		30	0	0	30	1.000	6/11/2008	6/11/2008
08060288-013A	Water		30	0	0	30	1.000	6/11/2008	6/11/2008
08060288-014A	Water		30	0	0	30	1.000	6/11/2008	6/11/2008
HGMBTCLP1 6/9/08			30	0	0	30	1.000	6/11/2008	6/11/2008
08060258-001A	Solid		30	0	0	30	1.000	6/11/2008	6/11/2008
08060285-001B	Soil		30	0	0	30	1.000	6/11/2008	6/11/2008
08060285-002B	Soil		30	0	0	30	1.000	6/11/2008	6/11/2008
08060285-003B	Soil		30	0	0	30	1.000	6/11/2008	6/11/2008
08060285-004B	Soil		30	0	0	30	1.000	6/11/2008	6/11/2008
08060285-004BMS	Soil		30	0	0	30	1.000	6/11/2008	6/11/2008
08060285-004BMSD	Soil		30	0	0	30	1.000	6/11/2008	6/11/2008
HGMBTCLP1 6/10/08			30	0	0	30	1.000	6/11/2008	6/11/2008

STAT Analysis Corporation

PREP BATCH REPORT

Prep Start Date: **6/11/2008 3:10:00 P**
Prep End Date: **6/11/2008 5:10:00 P**

Prep Batch **35640** Prep Code: **M_HG_W_PRE** Technician: **VA**

Prep Factor Units: **mL / mL**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
08060330-001A	Soil		30	0	0	30	1.000	6/11/2008	6/11/2008
08060330-001AMS	Soil		30	0	0	30	1.000	6/11/2008	6/11/2008

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060288
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: 35640

Sample ID: **08060285-004BMS** SampType: **MS** TestCode: **M_1311_HG** Units: **mg/L** Prep Date: **6/11/2008** Run ID: **CETAC_080612A**
Client ID: ZZZZZ Batch ID: **35640** TestNo: **SW1311/7470** Analysis Date: **6/12/2008** SeqNo: **1151513**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00262	0.00025	0.0025	0	105	75	125	0	0		

Sample ID: **08060285-004BMSD** SampType: **MSD** TestCode: **M_1311_HG** Units: **mg/L** Prep Date: **6/11/2008** Run ID: **CETAC_080612A**
Client ID: ZZZZZ Batch ID: **35640** TestNo: **SW1311/7470** Analysis Date: **6/12/2008** SeqNo: **1151514**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00262	0.00025	0.0025	0	105	75	125	0.00262	0	20	

Sample ID: **HGMBW1 6/11/08** SampType: **MBLK** TestCode: **M_HG_WATE** Units: **mg/L** Prep Date: **6/11/2008** Run ID: **CETAC_080612A**
Client ID: ZZZZZ Batch ID: **35640** TestNo: **SW7470A** Analysis Date: **6/12/2008** SeqNo: **1151463**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00003	0.00025									J

Sample ID: **HGLCSW1 6/11/08** SampType: **LCS** TestCode: **M_HG_WATE** Units: **mg/L** Prep Date: **6/11/2008** Run ID: **CETAC_080612A**
Client ID: ZZZZZ Batch ID: **35640** TestNo: **SW7470A** Analysis Date: **6/12/2008** SeqNo: **1151464**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00242	0.00025	0.0025	0.00003	95.6	80	120	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT Holding Time Exceeded
B - Analyte detected in the associated Method Blank
E - Value above quantitation range

STAT Analysis Corporation

PREP BATCH REPORT

Prep Start Date: **6/16/2008 1:10:00 P**
Prep End Date: **6/16/2008 2:10:00 P**

Prep Batch **35717** Prep Code: **M_HG_S_PRE** Technician: **VA**

Prep Factor Units: **mL / g**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
HGMBS1 6/16/08			0.3	0	0	30	100.000	6/16/2008	6/16/2008
HGLCSS1 6/16/08			0.3	0	0	30	100.000	6/16/2008	6/16/2008
08060288-001A	Soil		0.305	0	0	30	98.361	6/16/2008	6/16/2008
08060288-002A	Soil		0.324	0	0	30	92.593	6/16/2008	6/16/2008
08060288-003A	Soil		0.317	0	0	30	94.637	6/16/2008	6/16/2008
08060288-004A	Soil		0.306	0	0	30	98.039	6/16/2008	6/16/2008
08060288-005A	Soil		0.322	0	0	30	93.168	6/16/2008	6/16/2008
08060288-006A	Soil		0.314	0	0	30	95.541	6/16/2008	6/16/2008
08060288-008A	Soil		0.307	0	0	30	97.720	6/16/2008	6/16/2008
08060288-008AMS	Soil		0.315	0	0	30	95.238	6/16/2008	6/16/2008
08060288-008AMSD	Soil		0.314	0	0	30	95.541	6/16/2008	6/16/2008
08060288-009A	Soil		0.322	0	0	30	93.168	6/16/2008	6/16/2008
08060288-010A	Soil		0.32	0	0	30	93.750	6/16/2008	6/16/2008
08060288-015A	Soil		0.302	0	0	30	99.338	6/16/2008	6/16/2008
08060288-016A	Soil		0.305	0	0	30	98.361	6/16/2008	6/16/2008
08060417-001B	Soil		0.32	0	0	30	93.750	6/16/2008	6/16/2008
08060432-001B	Soil		0.314	0	0	30	95.541	6/16/2008	6/16/2008
08060463-001A	Solid		0.31	0	0	30	96.774	6/16/2008	6/16/2008
08060419-001A	Soil		0.313	0	0	30	95.847	6/16/2008	6/16/2008
08060419-002A	Soil		0.316	0	0	30	94.937	6/16/2008	6/16/2008
08060420-001A	Soil		0.312	0	0	30	96.154	6/16/2008	6/16/2008
08060420-002A	Soil		0.313	0	0	30	95.847	6/16/2008	6/16/2008
08050793-001A	Soil		0.312	0	0	30	96.154	6/16/2008	6/16/2008
08050793-001A1	Soil		0.315	0	0	30	95.238	6/16/2008	6/16/2008

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060288
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: 35717

Sample ID: **HGMBS1 6/16/08** SampType: **MBLK** TestCode: **M_HG_SOLID** Units: **mg/Kg** Prep Date: **6/16/2008** Run ID: **CETAC_080616B**
Client ID: ZZZZZ Batch ID: **35717** TestNo: **SW7471A** Analysis Date: **6/16/2008** SeqNo: **1153427**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.002	0.025									J

Sample ID: **HGLCSS1 6/16/08** SampType: **LCS** TestCode: **M_HG_SOLID** Units: **mg/Kg** Prep Date: **6/16/2008** Run ID: **CETAC_080616B**
Client ID: ZZZZZ Batch ID: **35717** TestNo: **SW7471A** Analysis Date: **6/16/2008** SeqNo: **1153428**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.24	0.025	0.25	0.002	95.2	80	120	0	0		

Sample ID: **08060288-008AMS** SampType: **MS** TestCode: **M_HG_SOLID** Units: **mg/Kg-dry** Prep Date: **6/16/2008** Run ID: **CETAC_080616B**
Client ID: **X118** Batch ID: **35717** TestNo: **SW7471A** Analysis Date: **6/16/2008** SeqNo: **1153443**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.312	0.029	0.2943	0.04348	91.2	75	125	0	0		

Sample ID: **08060288-008AMSD** SampType: **MSD** TestCode: **M_HG_SOLID** Units: **mg/Kg-dry** Prep Date: **6/16/2008** Run ID: **CETAC_080616B**
Client ID: **X118** Batch ID: **35717** TestNo: **SW7471A** Analysis Date: **6/16/2008** SeqNo: **1153446**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.3165	0.030	0.2952	0.04348	92.5	75	125	0.312	1.44	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded
B - Analyte detected in the associated Method Blank
E - Value above quantitation range

STAT Analysis Corporation

PREP BATCH REPORT

Prep Start Date: **6/10/2008 6:00:00 P**
Prep End Date: **6/11/2008 7:45:00 P**

Prep Batch **35615** Prep Code: **TCNPREP_S** Technician: **KB**

Prep Factor Units: **mL / g**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
TCNMBS1 061008			1	0	0	50	50.000	6/10/2008	6/10/2008
TCNLCSS1 061008			1	0	0	50	50.000	6/10/2008	6/10/2008
08060288-001A	Soil		1	0	0	50	50.000	6/10/2008	6/10/2008
08060288-002A	Soil		1	0	0	50	50.000	6/10/2008	6/10/2008
08060288-003A	Soil		1	0	0	50	50.000	6/10/2008	6/10/2008
08060288-004A	Soil		1	0	0	50	50.000	6/10/2008	6/10/2008
08060288-005A	Soil		1	0	0	50	50.000	6/10/2008	6/10/2008
08060288-006A	Soil		1	0	0	50	50.000	6/10/2008	6/10/2008
08060288-008A	Soil		1	0	0	50	50.000	6/10/2008	6/10/2008
08060288-008AMS	Soil		1	0	0	50	50.000	6/10/2008	6/10/2008
08060288-008AMSD	Soil		1	0	0	50	50.000	6/10/2008	6/10/2008
08060288-009A	Soil		1	0	0	50	50.000	6/10/2008	6/10/2008
08060288-010A	Soil		1	0	0	50	50.000	6/10/2008	6/10/2008
08060288-015A	Soil		1	0	0	50	50.000	6/10/2008	6/10/2008
08060288-016A	Soil		1	0	0	50	50.000	6/10/2008	6/10/2008
08060333-002A	Soil		1	0	0	50	50.000	6/10/2008	6/10/2008
08060358-001A	Soil		1	0	0	50	50.000	6/11/2008	6/11/2008

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060288
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: 35615

Sample ID: TCNMBS1 061008	SampType: MBLK	TestCode: CN_TS	Units: mg/Kg	Prep Date: 6/10/2008	Run ID: LACHAT_080611A
Client ID: ZZZZZ	Batch ID: 35615	TestNo: SW9012A		Analysis Date: 6/11/2008	SeqNo: 1151017

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	ND	0.25									

Sample ID: TCNLCSS1 061008	SampType: LCS	TestCode: CN_TS	Units: mg/Kg	Prep Date: 6/10/2008	Run ID: LACHAT_080611A
Client ID: ZZZZZ	Batch ID: 35615	TestNo: SW9012A		Analysis Date: 6/11/2008	SeqNo: 1151018

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	10.35	0.25	10	0	104	90	110	0	0		

Sample ID: 08060288-008AMS	SampType: MS	TestCode: CN_TS	Units: mg/Kg-dry	Prep Date: 6/10/2008	Run ID: LACHAT_080611A
Client ID: X118	Batch ID: 35615	TestNo: SW9012A		Analysis Date: 6/11/2008	SeqNo: 1151020

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	12.37	0.31	12.36	0	100	75	125	0	0		

Sample ID: 08060288-008AMSD	SampType: MSD	TestCode: CN_TS	Units: mg/Kg-dry	Prep Date: 6/10/2008	Run ID: LACHAT_080611A
Client ID: X118	Batch ID: 35615	TestNo: SW9012A		Analysis Date: 6/11/2008	SeqNo: 1151022

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	11.93	0.31	12.36	0	96.5	75	125	12.37	3.62	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded
B - Analyte detected in the associated Method Blank
E - Value above quantitation range

STAT Analysis Corporation

PREP BATCH REPORT

Prep Start Date: **6/11/2008 6:00:00 P**
Prep End Date: **6/11/2008 7:45:00 P**

Prep Batch **35647** Prep Code: **TCNPREP_W** Technician: **KB**

Prep Factor Units: **mL / mL**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
TCNMBW1 061108			50	0	0	50	1.000	6/11/2008	6/11/2008
TCNLCSW1 061108			50	0	0	50	1.000	6/11/2008	6/11/2008
08060343-001DMS	Water		50	0	0	50	1.000	6/11/2008	6/11/2008
08060343-001DMSD	Water		50	0	0	50	1.000	6/11/2008	6/11/2008
08060288-011B	Water		50	0	0	50	1.000	6/11/2008	6/11/2008
08060288-013B	Water		50	0	0	50	1.000	6/11/2008	6/11/2008
08060288-014B	Water		50	0	0	50	1.000	6/11/2008	6/11/2008
08060333-001B	Water		50	0	0	50	1.000	6/11/2008	6/11/2008
08060333-003B	Water		50	0	0	50	1.000	6/11/2008	6/11/2008
08060343-001D	Water		50	0	0	50	1.000	6/11/2008	6/11/2008
08060361-001D	Water		50	0	0	50	1.000	6/11/2008	6/11/2008
08060361-002D	Water		50	0	0	50	1.000	6/11/2008	6/11/2008
08060361-003D	Water		50	0	0	50	1.000	6/11/2008	6/11/2008

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060288
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: 35647

Sample ID: **TCNMBW1 061108** SampType: **MBLK** TestCode: **CN_TW** Units: **mg/L** Prep Date: **6/11/2008** Run ID: **LACHAT_080611A**
Client ID: ZZZZZ Batch ID: **35647** TestNo: **SW9012A** Analysis Date: **6/11/2008** SeqNo: **1151059**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	ND	0.0050									

Sample ID: **TCNLCSW1 061108** SampType: **LCS** TestCode: **CN_TW** Units: **mg/L** Prep Date: **6/11/2008** Run ID: **LACHAT_080611A**
Client ID: ZZZZZ Batch ID: **35647** TestNo: **SW9012A** Analysis Date: **6/11/2008** SeqNo: **1151060**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.1949	0.0050	0.2	0	97.5	90	110	0	0		

Sample ID: **08060343-001DMS** SampType: **MS** TestCode: **CN_TW** Units: **mg/L** Prep Date: **6/11/2008** Run ID: **LACHAT_080611A**
Client ID: ZZZZZ Batch ID: **35647** TestNo: **SW9012A** Analysis Date: **6/11/2008** SeqNo: **1151062**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.205	0.0050	0.2	0.003246	101	75	125	0	0		

Sample ID: **08060343-001DMSD** SampType: **MSD** TestCode: **CN_TW** Units: **mg/L** Prep Date: **6/11/2008** Run ID: **LACHAT_080611A**
Client ID: ZZZZZ Batch ID: **35647** TestNo: **SW9012A** Analysis Date: **6/11/2008** SeqNo: **1151063**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.1984	0.0050	0.2	0.003246	97.6	75	125	0.205	3.26	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded
B - Analyte detected in the associated Method Blank
E - Value above quantitation range

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060288
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: R45368

Sample ID: **FOC MBLK 6/11/08** SampType: **MBLK** TestCode: **FOC_S** Units: **wt%** Prep Date: **6/11/2008** Run ID: **BALANCE_080611C**
Client ID: **ZZZZZ** Batch ID: **R45368** TestNo: **D2974** Analysis Date: **6/12/2008** SeqNo: **1151950**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Organic Carbon Content	ND	0.0100									*

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits.
* - Non Accredited Parameter
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded
B - Analyte detected in the associated Method Blank
E - Value above quantitation range

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060288
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: R45327

Sample ID: **PMMBK2 6/10/08** SampType: **MBLK** TestCode: **PMOIST** Units: **wt%** Prep Date: **6/10/2008** Run ID: **BALANCE_080610B**
Client ID: **ZZZZZ** Batch ID: **R45327** TestNo: **D2974** Analysis Date: **6/11/2008** SeqNo: **1150475**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	ND	0.0100									*

Sample ID: **PMLCS-S2 6/10/08** SampType: **LCS** TestCode: **PMOIST** Units: **wt%** Prep Date: **6/10/2008** Run ID: **BALANCE_080610B**
Client ID: **ZZZZZ** Batch ID: **R45327** TestNo: **D2974** Analysis Date: **6/11/2008** SeqNo: **1150476**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	5.2	0.0100	5	0	104	80	120	0	0		*

Sample ID: **PMLCS-W2 6/10/08** SampType: **LCS** TestCode: **PMOIST** Units: **wt%** Prep Date: **6/10/2008** Run ID: **BALANCE_080610B**
Client ID: **ZZZZZ** Batch ID: **R45327** TestNo: **D2974** Analysis Date: **6/11/2008** SeqNo: **1150477**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	99.83	0.0100	99.8	0	100	80	120	0	0		*

Sample ID: **08060331-001B DUP** SampType: **DUP** TestCode: **PMOIST** Units: **wt%** Prep Date: **6/10/2008** Run ID: **BALANCE_080610B**
Client ID: **ZZZZZ** Batch ID: **R45327** TestNo: **D2974** Analysis Date: **6/11/2008** SeqNo: **1150479**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	15.87	0.0100	0	0	0	0	0	15.07	5.17	20	*

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded
B - Analyte detected in the associated Method Blank
E - Value above quantitation range

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060288
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: R45359

Sample ID: **PMMBK2 6/11/08** SampType: **MBLK** TestCode: **PMOIST** Units: **wt%** Prep Date: **6/11/2008** Run ID: **BALANCE_080611B**
Client ID: **ZZZZZ** Batch ID: **R45359** TestNo: **D2974** Analysis Date: **6/12/2008** SeqNo: **1151400**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	ND	0.0100									*

Sample ID: **PMLCS-S2 6/11/08** SampType: **LCS** TestCode: **PMOIST** Units: **wt%** Prep Date: **6/11/2008** Run ID: **BALANCE_080611B**
Client ID: **ZZZZZ** Batch ID: **R45359** TestNo: **D2974** Analysis Date: **6/12/2008** SeqNo: **1151402**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	4.7	0.0100	5	0	94	80	120	0	0		*

Sample ID: **PMLCS-W2 6/11/08** SampType: **LCS** TestCode: **PMOIST** Units: **wt%** Prep Date: **6/11/2008** Run ID: **BALANCE_080611B**
Client ID: **ZZZZZ** Batch ID: **R45359** TestNo: **D2974** Analysis Date: **6/12/2008** SeqNo: **1151403**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	99.84	0.0100	99.8	0	100	80	120	0	0		*

Sample ID: **08060393-001A DUP** SampType: **DUP** TestCode: **PMOIST** Units: **wt%** Prep Date: **6/11/2008** Run ID: **BALANCE_080611B**
Client ID: **ZZZZZ** Batch ID: **R45359** TestNo: **D2974** Analysis Date: **6/12/2008** SeqNo: **1151405**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	25.88	0.0100	0	0	0	0	0	26.08	0.770	20	*

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded
B - Analyte detected in the associated Method Blank
E - Value above quantitation range

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060288
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: R45310

Sample ID: **08060288-008A DUP** SampType: **DUP** TestCode: **PH_S** Units: **pH Units** Prep Date: **6/10/2008** Run ID: **PH_080610B**
Client ID: **X118** Batch ID: **R45310** TestNo: **SW9045C** Analysis Date: **6/10/2008** SeqNo: **1150120**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	7.88	0	0	0	0	0	0	7.88	0	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
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R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded
B - Analyte detected in the associated Method Blank
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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001;AIHA 101160; NVLAP LabCode 101202-

August 15, 2008

Illinois Environmental Protection Agency
1021 North Grand Avenue East
P.O. Box 19276
Springfield, IL 62794-9276
Telephone: (217) 524-1657
Fax: (217) 557-1165

RE: PR50, 0971255020, North Chicago STAT Project No 08060288

Dear Jim Salch:

STAT Analysis received 16 samples for the referenced project on 6/6/2008 3:30:00 PM. The analytical results are presented in the following report.

This report is revised to reflect additional analysis requested after the initial report was issued.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. 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 when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

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

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone.This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory.

STAT Analysis Corporation

Date: August 15, 2008

Client: Illinois Environmental Protection Agency
Project: PR50, 0971255020, North Chicago
Lab Order: 08060288

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
08060288-001A	X110		6/3/2008 1:00:00 PM	6/6/2008
08060288-002A	X111A		6/3/2008 2:00:00 PM	6/6/2008
08060288-003A	X112		6/4/2008 5:15:00 PM	6/6/2008
08060288-004A	X113		6/3/2008 3:30:00 PM	6/6/2008
08060288-005A	X114A		6/4/2008 10:45:00 AM	6/6/2008
08060288-006A	X115		6/4/2008 12:00:00 PM	6/6/2008
08060288-007A	X116A		6/4/2008 4:15:00 PM	6/6/2008
08060288-008A	X118		6/4/2008 1:45:00 PM	6/6/2008
08060288-009A	X121		6/3/2008 10:20:00 AM	6/6/2008
08060288-010A	X164		6/4/2008 10:45:00 AM	6/6/2008
08060288-011A	G113		6/3/2008 5:30:00 PM	6/6/2008
08060288-011B	G113		6/3/2008 5:30:00 PM	6/6/2008
08060288-012A	G163		6/3/2008 5:30:00 PM	6/6/2008
08060288-012B	G163		6/3/2008 5:30:00 PM	6/6/2008
08060288-013A	G118		6/4/2008 3:55:00 PM	6/6/2008
08060288-013B	G118		6/4/2008 3:55:00 PM	6/6/2008
08060288-014A	G105		6/5/2008 10:55:00 AM	6/6/2008
08060288-014B	G105		6/5/2008 10:55:00 AM	6/6/2008
08060288-015A	X120		6/5/2008 1:00:00 PM	6/6/2008
08060288-016A	X124		6/5/2008 5:00:00 PM	6/6/2008

The metals LCS (preparation batch 35623) had recovery outside of control limits for Antimony (181% recovery, QC Limits 80-120%).

The metals MS/MSD prepared from sample X118 (08060288-008) had Antimony recovery outside control limits (48%/42% MS/MSD recovery, QC limits 75-125%). The MS/MSD had recovery of other analytes outside of control limits, however the analyte concentration in the sample was greater than four times the spike level for those elements.

The metals LCS (preparation batch 35613) had recovery outside of control limits for Antimony (151% recovery, QC Limits 80-120%). Antimony was not detected in the associated samples.

The metals MS/MSD prepared from sample G113 (08060288-011) had the following outside control limits:
Antimony: 145%/145% (MS/MSD) recovery (QC limits 75-125%)
Aluminum: 43%/62% (MS/MSD) recovery (QC limits 75-125%)
The MS/MSD had recovery of other analytes outside of control limits, however the analyte concentration in the sample was greater than four times the spiking level for those elements.

The metals LCS (preparation batch 35772) had recovery outside of control limits for Antimony (148% recovery, QC Limits 80-120%).

The metals MS/MSD prepared from sample G163 (08060288-012) had Antimony recovery outside control limits (147%/150% MS/MSD recovery, QC limits 75-125%). The MS/MSD had recovery of other analytes outside of control limits, however the analyte concentration in the sample was greater than four times the spike level for those elements.

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Reported: August 15, 2008
Date Printed: August 15, 2008

Client: Illinois Environmental Protection Agency
Lab Order: 08060288
Project: PR50, 0971255020, North Chicago
Lab ID: 08060288-001

Client Sample ID: X110
Collection Date: 6/3/2008 1:00:00 PM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Total Petroleum Hydrocarbons	**SW8015M (SW3580A)**			Prep Date: **6/10/2008**		Analyst: **JT**
TPH (GRO)	14000	220		mg/Kg-dry	10	6/11/2008
TPH (DRO)	7200	220		mg/Kg-dry	10	6/11/2008
TPH (ERO)	2200	22	*	mg/Kg-dry	1	6/11/2008
Mercury	**SW7471A**			Prep Date: **6/16/2008**		Analyst: **VA**
Mercury	ND	0.028		mg/Kg-dry	1	6/16/2008
Metals by ICP/MS	**SW6020 (SW3050B)**			Prep Date: **6/11/2008**		Analyst: **JG**
Aluminum	2800	22		mg/Kg-dry	10	6/11/2008
Antimony	ND	2.2		mg/Kg-dry	10	6/11/2008
Arsenic	5.1	1.1		mg/Kg-dry	10	6/11/2008
Barium	5.7	1.1		mg/Kg-dry	10	6/11/2008
Beryllium	ND	0.53		mg/Kg-dry	10	6/11/2008
Cadmium	ND	0.53		mg/Kg-dry	10	6/11/2008
Calcium	23000	65		mg/Kg-dry	10	6/11/2008
Chromium	5.3	1.1		mg/Kg-dry	10	6/11/2008
Cobalt	4.3	1.1		mg/Kg-dry	10	6/11/2008
Copper	17	2.7		mg/Kg-dry	10	6/11/2008
Iron	13000	32		mg/Kg-dry	10	6/11/2008
Lead	7.8	0.53		mg/Kg-dry	10	6/11/2008
Magnesium	15000	32		mg/Kg-dry	10	6/11/2008
Manganese	260	1.1		mg/Kg-dry	10	6/11/2008
Nickel	14	1.1		mg/Kg-dry	10	6/11/2008
Potassium	610	32		mg/Kg-dry	10	6/11/2008
Selenium	ND	1.1		mg/Kg-dry	10	6/11/2008
Silver	ND	1.1		mg/Kg-dry	10	6/11/2008
Sodium	84	65		mg/Kg-dry	10	6/11/2008
Thallium	ND	1.1		mg/Kg-dry	10	6/11/2008
Vanadium	11	1.1		mg/Kg-dry	10	6/11/2008
Zinc	81	5.3		mg/Kg-dry	10	6/11/2008
Cyanide, Total	**SW9012A**			Prep Date: **6/10/2008**		Analyst: **KB**
Cyanide	ND	0.28		mg/Kg-dry	1	6/11/2008
pH (25 °C)	**SW9045C**			Prep Date: **6/10/2008**		Analyst: **FD**
pH	7.0			pH Units	1	6/10/2008
Percent Moisture	**D2974**			Prep Date: **6/11/2008**		Analyst: **FD**
Percent Moisture	11.9	0.01	*	wt%	1	6/12/2008

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
HT - Sample received past holding time
* - Non-accredited parameter
RL - Reporting / Quantitation Limit for the analysis
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H - Holding time exceeded

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Date Reported: August 15, 2008
Date Printed: August 15, 2008

Client: Illinois Environmental Protection Agency
Lab Order: 08060288
Project: PR50, 0971255020, North Chicago
Lab ID: 08060288-002

Client Sample ID: X111A
Collection Date: 6/3/2008 2:00:00 PM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	**SW7471A**			Prep Date: **6/16/2008**		Analyst: **VA**
Mercury	ND	0.025		mg/Kg-dry	1	6/16/2008
Metals by ICP/MS	**SW6020 (SW3050B)**			Prep Date: **6/11/2008**		Analyst: **JG**
Aluminum	1900	18		mg/Kg-dry	10	6/11/2008
Antimony	ND	1.8		mg/Kg-dry	10	6/11/2008
Arsenic	10	0.93		mg/Kg-dry	10	6/11/2008
Barium	16	0.93		mg/Kg-dry	10	6/11/2008
Beryllium	ND	0.46		mg/Kg-dry	10	6/11/2008
Cadmium	ND	0.46		mg/Kg-dry	10	6/11/2008
Calcium	48000	550		mg/Kg-dry	100	6/11/2008
Chromium	5.6	0.93		mg/Kg-dry	10	6/11/2008
Cobalt	5.3	0.93		mg/Kg-dry	10	6/11/2008
Copper	9.6	2.3		mg/Kg-dry	10	6/11/2008
Iron	22000	28		mg/Kg-dry	10	6/11/2008
Lead	6.7	0.46		mg/Kg-dry	10	6/11/2008
Magnesium	27000	28		mg/Kg-dry	10	6/11/2008
Manganese	370	0.93		mg/Kg-dry	10	6/11/2008
Nickel	15	0.93		mg/Kg-dry	10	6/11/2008
Potassium	400	28		mg/Kg-dry	10	6/11/2008
Selenium	ND	0.93		mg/Kg-dry	10	6/11/2008
Silver	ND	0.93		mg/Kg-dry	10	6/11/2008
Sodium	97	55		mg/Kg-dry	10	6/11/2008
Thallium	ND	0.93		mg/Kg-dry	10	6/11/2008
Vanadium	12	0.93		mg/Kg-dry	10	6/11/2008
Zinc	81	4.6		mg/Kg-dry	10	6/11/2008
Cyanide, Total	**SW9012A**			Prep Date: **6/10/2008**		Analyst: **KB**
Cyanide	ND	0.27		mg/Kg-dry	1	6/11/2008
pH (25 °C)	**SW9045C**			Prep Date: **6/10/2008**		Analyst: **FD**
pH	7.8			pH Units	1	6/10/2008
Percent Moisture	**D2974**			Prep Date: **6/11/2008**		Analyst: **FD**
Percent Moisture	7.2	0.01	*	wt%	1	6/12/2008

Qualifiers:

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Date Reported: August 15, 2008
Date Printed: August 15, 2008

Client: Illinois Environmental Protection Agency
Lab Order: 08060288
Project: PR50, 0971255020, North Chicago
Lab ID: 08060288-003

Client Sample ID: X112
Collection Date: 6/4/2008 5:15:00 PM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	**SW7471A**			Prep Date: **6/16/2008**		Analyst: **VA**
Mercury	ND	0.026		mg/Kg-dry	1	6/16/2008
Metals by ICP/MS	**SW6020 (SW3050B)**			Prep Date: **6/11/2008**		Analyst: **JG**
Aluminum	4600	20		mg/Kg-dry	10	6/11/2008
Antimony	ND	2		mg/Kg-dry	10	6/11/2008
Arsenic	5.3	0.97		mg/Kg-dry	10	6/11/2008
Barium	18	0.97		mg/Kg-dry	10	6/11/2008
Beryllium	ND	0.48		mg/Kg-dry	10	6/11/2008
Cadmium	ND	0.48		mg/Kg-dry	10	6/11/2008
Calcium	26000	58		mg/Kg-dry	10	6/11/2008
Chromium	9.2	0.97		mg/Kg-dry	10	6/11/2008
Cobalt	6.3	0.97		mg/Kg-dry	10	6/11/2008
Copper	20	2.4		mg/Kg-dry	10	6/11/2008
Iron	12000	29		mg/Kg-dry	10	6/11/2008
Lead	16	0.48		mg/Kg-dry	10	6/11/2008
Magnesium	16000	29		mg/Kg-dry	10	6/11/2008
Manganese	550	0.97		mg/Kg-dry	10	6/11/2008
Nickel	13	0.97		mg/Kg-dry	10	6/11/2008
Potassium	670	29		mg/Kg-dry	10	6/11/2008
Selenium	ND	0.97		mg/Kg-dry	10	6/11/2008
Silver	ND	0.97		mg/Kg-dry	10	6/11/2008
Sodium	110	58		mg/Kg-dry	10	6/11/2008
Thallium	ND	0.97		mg/Kg-dry	10	6/11/2008
Vanadium	18	0.97		mg/Kg-dry	10	6/11/2008
Zinc	71	4.8		mg/Kg-dry	10	6/11/2008
Cyanide, Total	**SW9012A**			Prep Date: **6/10/2008**		Analyst: **KB**
Cyanide	ND	0.27		mg/Kg-dry	1	6/11/2008
pH (25 °C)	**SW9045C**			Prep Date: **6/10/2008**		Analyst: **FD**
pH	8.0			pH Units	1	6/10/2008
Percent Moisture	**D2974**			Prep Date: **6/11/2008**		Analyst: **FD**
Percent Moisture	8.0	0.01	*	wt%	1	6/12/2008

Qualifiers:
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B - Analyte detected in the associated Method Blank
HT - Sample received past holding time
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Date Reported: August 15, 2008
Date Printed: August 15, 2008

Client: Illinois Environmental Protection Agency
Lab Order: 08060288
Project: PR50, 0971255020, North Chicago
Lab ID: 08060288-004

Client Sample ID: X113
Collection Date: 6/3/2008 3:30:00 PM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Total Petroleum Hydrocarbons	**SW8015M (SW3580A)**			Prep Date: **6/10/2008**		Analyst: **JT**
TPH (GRO)	2600	20		mg/Kg-dry	1	6/11/2008
TPH (DRO)	68	20		mg/Kg-dry	1	6/11/2008
TPH (ERO)	ND	20	*	mg/Kg-dry	1	6/11/2008
Mercury	**SW7471A**			Prep Date: **6/16/2008**		Analyst: **VA**
Mercury	ND	0.026		mg/Kg-dry	1	6/16/2008
Metals by ICP/MS	**SW6020 (SW3050B)**			Prep Date: **6/11/2008**		Analyst: **JG**
Aluminum	9500	200		mg/Kg-dry	100	6/11/2008
Antimony	ND	2		mg/Kg-dry	10	6/11/2008
Arsenic	9.9	1		mg/Kg-dry	10	6/11/2008
Barium	49	1		mg/Kg-dry	10	6/11/2008
Beryllium	ND	0.5		mg/Kg-dry	10	6/11/2008
Cadmium	ND	0.5		mg/Kg-dry	10	6/11/2008
Calcium	71000	610		mg/Kg-dry	100	6/11/2008
Chromium	17	1		mg/Kg-dry	10	6/11/2008
Cobalt	11	1		mg/Kg-dry	10	6/11/2008
Copper	20	2.5		mg/Kg-dry	10	6/11/2008
Iron	24000	30		mg/Kg-dry	10	6/11/2008
Lead	13	0.5		mg/Kg-dry	10	6/11/2008
Magnesium	29000	30		mg/Kg-dry	10	6/11/2008
Manganese	460	1		mg/Kg-dry	10	6/11/2008
Nickel	28	1		mg/Kg-dry	10	6/11/2008
Potassium	1600	30		mg/Kg-dry	10	6/11/2008
Selenium	ND	1		mg/Kg-dry	10	6/11/2008
Silver	ND	1		mg/Kg-dry	10	6/11/2008
Sodium	110	61		mg/Kg-dry	10	6/11/2008
Thallium	ND	1		mg/Kg-dry	10	6/11/2008
Vanadium	20	1		mg/Kg-dry	10	6/11/2008
Zinc	42	5		mg/Kg-dry	10	6/11/2008
Cyanide, Total	**SW9012A**			Prep Date: **6/10/2008**		Analyst: **KB**
Cyanide	ND	0.26		mg/Kg-dry	1	6/11/2008
pH (25 °C)	**SW9045C**			Prep Date: **6/10/2008**		Analyst: **FD**
pH	7.9			pH Units	1	6/10/2008
Percent Moisture	**D2974**			Prep Date: **6/11/2008**		Analyst: **FD**
Percent Moisture	4.3	0.01	*	wt%	1	6/12/2008

Qualifiers:
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J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
HT - Sample received past holding time
* - Non-accredited parameter
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R - RPD outside accepted recovery limits
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H - Holding time exceeded

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Date Reported: August 15, 2008
Date Printed: August 15, 2008

Client: Illinois Environmental Protection Agency
Lab Order: 08060288
Project: PR50, 0971255020, North Chicago
Lab ID: 08060288-005

Client Sample ID: X114A
Collection Date: 6/4/2008 10:45:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	**SW7471A**			Prep Date: **6/16/2008**		Analyst: **VA**
Mercury	ND	0.027		mg/Kg-dry	1	6/16/2008
Metals by ICP/MS	**SW6020 (SW3050B)**			Prep Date: **6/11/2008**		Analyst: **JG**
Aluminum	9300	210		mg/Kg-dry	100	6/11/2008
Antimony	ND	2.1		mg/Kg-dry	10	6/11/2008
Arsenic	8.9	1		mg/Kg-dry	10	6/11/2008
Barium	51	1		mg/Kg-dry	10	6/11/2008
Beryllium	ND	0.52		mg/Kg-dry	10	6/11/2008
Cadmium	ND	0.52		mg/Kg-dry	10	6/11/2008
Calcium	63000	630		mg/Kg-dry	100	6/11/2008
Chromium	16	1		mg/Kg-dry	10	6/11/2008
Cobalt	9.9	1		mg/Kg-dry	10	6/11/2008
Copper	21	2.6		mg/Kg-dry	10	6/11/2008
Iron	21000	32		mg/Kg-dry	10	6/11/2008
Lead	13	0.52		mg/Kg-dry	10	6/11/2008
Magnesium	35000	32		mg/Kg-dry	10	6/11/2008
Manganese	690	1		mg/Kg-dry	10	6/11/2008
Nickel	27	1		mg/Kg-dry	10	6/11/2008
Potassium	1800	32		mg/Kg-dry	10	6/11/2008
Selenium	ND	1		mg/Kg-dry	10	6/11/2008
Silver	ND	1		mg/Kg-dry	10	6/11/2008
Sodium	170	63		mg/Kg-dry	10	6/11/2008
Thallium	ND	1		mg/Kg-dry	10	6/11/2008
Vanadium	20	1		mg/Kg-dry	10	6/11/2008
Zinc	51	5.2		mg/Kg-dry	10	6/11/2008
Cyanide, Total	**SW9012A**			Prep Date: **6/10/2008**		Analyst: **KB**
Cyanide	ND	0.29		mg/Kg-dry	1	6/11/2008
pH (25 °C)	**SW9045C**			Prep Date: **6/10/2008**		Analyst: **FD**
pH	7.6			pH Units	1	6/10/2008
Percent Moisture	**D2974**			Prep Date: **6/11/2008**		Analyst: **FD**
Percent Moisture	12.3	0.01	*	wt%	1	6/12/2008

Qualifiers:

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J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
HT - Sample received past holding time
* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Reported: August 15, 2008
Date Printed: August 15, 2008

Client: Illinois Environmental Protection Agency
Lab Order: 08060288
Project: PR50, 0971255020, North Chicago
Lab ID: 08060288-006

Client Sample ID: X115
Collection Date: 6/4/2008 12:00:00 PM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	**SW7471A**			Prep Date: **6/16/2008**		Analyst: **VA**
Mercury	0.046	0.028		mg/Kg-dry	1	6/16/2008
Metals by ICP/MS	**SW6020 (SW3050B)**			Prep Date: **6/11/2008**		Analyst: **JG**
Aluminum	7000	240		mg/Kg-dry	100	6/11/2008
Antimony	ND	2.4		mg/Kg-dry	10	6/11/2008
Arsenic	22	1.2		mg/Kg-dry	10	6/11/2008
Barium	170	1.2		mg/Kg-dry	10	6/11/2008
Beryllium	ND	0.58		mg/Kg-dry	10	6/11/2008
Cadmium	ND	0.58		mg/Kg-dry	10	6/11/2008
Calcium	9100	70		mg/Kg-dry	10	6/11/2008
Chromium	12	1.2		mg/Kg-dry	10	6/11/2008
Cobalt	4.6	1.2		mg/Kg-dry	10	6/11/2008
Copper	83	2.8		mg/Kg-dry	10	6/11/2008
Iron	35000	34		mg/Kg-dry	10	6/11/2008
Lead	140	0.58		mg/Kg-dry	10	6/11/2008
Magnesium	4800	34		mg/Kg-dry	10	6/11/2008
Manganese	900	1.2		mg/Kg-dry	10	6/11/2008
Nickel	14	1.2		mg/Kg-dry	10	6/11/2008
Potassium	920	34		mg/Kg-dry	10	6/11/2008
Selenium	ND	1.2		mg/Kg-dry	10	6/11/2008
Silver	ND	1.2		mg/Kg-dry	10	6/11/2008
Sodium	93	70		mg/Kg-dry	10	6/11/2008
Thallium	ND	1.2		mg/Kg-dry	10	6/11/2008
Vanadium	19	1.2		mg/Kg-dry	10	6/11/2008
Zinc	450	58		mg/Kg-dry	100	6/11/2008
Cyanide, Total	**SW9012A**			Prep Date: **6/10/2008**		Analyst: **KB**
Cyanide	ND	0.3		mg/Kg-dry	1	6/11/2008
pH (25 °C)	**SW9045C**			Prep Date: **6/10/2008**		Analyst: **FD**
pH	8.2			pH Units	1	6/10/2008
Percent Moisture	**D2974**			Prep Date: **6/11/2008**		Analyst: **FD**
Percent Moisture	15.3	0.01	*	wt%	1	6/12/2008

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
HT - Sample received past holding time
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R - RPD outside accepted recovery limits
E - Value above quantitation range
H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Reported: August 15, 2008
Date Printed: August 15, 2008

Client: Illinois Environmental Protection Agency
Lab Order: 08060288
Project: PR50, 0971255020, North Chicago
Lab ID: 08060288-007

Client Sample ID: X116A
Collection Date: 6/4/2008 4:15:00 PM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Total Petroleum Hydrocarbons	**SW8015M (SW3580A)**			Prep Date: **6/10/2008**		Analyst: **JT**
TPH (GRO)	2000	23		mg/Kg-dry	1	6/11/2008
TPH (DRO)	120	23		mg/Kg-dry	1	6/11/2008
TPH (ERO)	92	23	*	mg/Kg-dry	1	6/11/2008
Percent Moisture	**D2974**			Prep Date: **6/11/2008**		Analyst: **FD**
Percent Moisture	14.3	0.01	*	wt%	1	6/12/2008

Qualifiers:

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J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
HT - Sample received past holding time
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R - RPD outside accepted recovery limits
E - Value above quantitation range
H - Holding time exceeded

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Date Reported: August 15, 2008
Date Printed: August 15, 2008

Client: Illinois Environmental Protection Agency
Lab Order: 08060288
Project: PR50, 0971255020, North Chicago
Lab ID: 08060288-008

Client Sample ID: X118
Collection Date: 6/4/2008 1:45:00 PM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	**SW7471A**			Prep Date: **6/16/2008**		Analyst: **VA**
Mercury	0.043	0.03		mg/Kg-dry	1	6/16/2008
Metals by ICP/MS	**SW6020 (SW3050B)**			Prep Date: **6/11/2008**		Analyst: **JG**
Aluminum	13000	230		mg/Kg-dry	100	6/11/2008
Antimony	ND	2.3		mg/Kg-dry	10	6/11/2008
Arsenic	9.9	1.2		mg/Kg-dry	10	6/11/2008
Barium	84	1.2		mg/Kg-dry	10	6/11/2008
Beryllium	ND	0.61		mg/Kg-dry	10	6/11/2008
Cadmium	ND	0.61		mg/Kg-dry	10	6/11/2008
Calcium	5300	72		mg/Kg-dry	10	6/11/2008
Chromium	25	1.2		mg/Kg-dry	10	6/11/2008
Cobalt	12	1.2		mg/Kg-dry	10	6/11/2008
Copper	26	3		mg/Kg-dry	10	6/11/2008
Iron	28000	36		mg/Kg-dry	10	6/11/2008
Lead	31	0.61		mg/Kg-dry	10	6/11/2008
Magnesium	6300	36		mg/Kg-dry	10	6/11/2008
Manganese	450	1.2		mg/Kg-dry	10	6/11/2008
Nickel	29	1.2		mg/Kg-dry	10	6/11/2008
Potassium	1700	36		mg/Kg-dry	10	6/11/2008
Selenium	ND	1.2		mg/Kg-dry	10	6/11/2008
Silver	ND	1.2		mg/Kg-dry	10	6/11/2008
Sodium	130	72		mg/Kg-dry	10	6/11/2008
Thallium	ND	1.2		mg/Kg-dry	10	6/11/2008
Vanadium	28	1.2		mg/Kg-dry	10	6/11/2008
Zinc	94	6.1		mg/Kg-dry	10	6/11/2008
Cyanide, Total	**SW9012A**			Prep Date: **6/10/2008**		Analyst: **KB**
Cyanide	ND	0.31		mg/Kg-dry	1	6/11/2008
pH (25 °C)	**SW9045C**			Prep Date: **6/10/2008**		Analyst: **FD**
pH	7.9			pH Units	1	6/10/2008
Percent Moisture	**D2974**			Prep Date: **6/11/2008**		Analyst: **FD**
Percent Moisture	19.1	0.01	*	wt%	1	6/12/2008

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
HT - Sample received past holding time
* - Non-accredited parameter
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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
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Date Reported: August 15, 2008
Date Printed: August 15, 2008

Client: Illinois Environmental Protection Agency
Lab Order: 08060288
Project: PR50, 0971255020, North Chicago
Lab ID: 08060288-009

Client Sample ID: X121
Collection Date: 6/3/2008 10:20:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	**SW7471A**			Prep Date: **6/16/2008**		Analyst: **VA**
Mercury	ND	0.028		mg/Kg-dry	1	6/16/2008
Metals by ICP/MS	**SW6020 (SW3050B)**			Prep Date: **6/11/2008**		Analyst: **JG**
Aluminum	5000	22		mg/Kg-dry	10	6/11/2008
Antimony	ND	2.2		mg/Kg-dry	10	6/11/2008
Arsenic	9.3	1.1		mg/Kg-dry	10	6/11/2008
Barium	27	1.1		mg/Kg-dry	10	6/11/2008
Beryllium	ND	0.55		mg/Kg-dry	10	6/11/2008
Cadmium	ND	0.55		mg/Kg-dry	10	6/11/2008
Calcium	60000	660		mg/Kg-dry	100	6/11/2008
Chromium	9.3	1.1		mg/Kg-dry	10	6/11/2008
Cobalt	6.3	1.1		mg/Kg-dry	10	6/11/2008
Copper	16	2.8		mg/Kg-dry	10	6/11/2008
Iron	15000	33		mg/Kg-dry	10	6/11/2008
Lead	10	0.55		mg/Kg-dry	10	6/11/2008
Magnesium	35000	33		mg/Kg-dry	10	6/11/2008
Manganese	600	1.1		mg/Kg-dry	10	6/11/2008
Nickel	16	1.1		mg/Kg-dry	10	6/11/2008
Potassium	910	33		mg/Kg-dry	10	6/11/2008
Selenium	ND	1.1		mg/Kg-dry	10	6/11/2008
Silver	ND	1.1		mg/Kg-dry	10	6/11/2008
Sodium	140	66		mg/Kg-dry	10	6/11/2008
Thallium	ND	1.1		mg/Kg-dry	10	6/11/2008
Vanadium	19	1.1		mg/Kg-dry	10	6/11/2008
Zinc	46	5.5		mg/Kg-dry	10	6/11/2008
Cyanide, Total	**SW9012A**			Prep Date: **6/10/2008**		Analyst: **KB**
Cyanide	ND	0.3		mg/Kg-dry	1	6/11/2008
pH (25 °C)	**SW9045C**			Prep Date: **6/10/2008**		Analyst: **FD**
pH	7.6			pH Units	1	6/10/2008
Percent Moisture	**D2974**			Prep Date: **6/11/2008**		Analyst: **FD**
Percent Moisture	17.6	0.01	*	wt%	1	6/12/2008

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
HT - Sample received past holding time
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Date Reported: August 15, 2008
Date Printed: August 15, 2008

Client: Illinois Environmental Protection Agency
Lab Order: 08060288
Project: PR50, 0971255020, North Chicago
Lab ID: 08060288-010

Client Sample ID: X164
Collection Date: 6/4/2008 10:45:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	**SW7471A**			Prep Date: **6/16/2008**		Analyst: **VA**
Mercury	ND	0.028		mg/Kg-dry	1	6/16/2008
Metals by ICP/MS	**SW6020 (SW3050B)**			Prep Date: **6/11/2008**		Analyst: **JG**
Aluminum	8600	210		mg/Kg-dry	100	6/11/2008
Antimony	ND	2.1		mg/Kg-dry	10	6/11/2008
Arsenic	7.5	1.1		mg/Kg-dry	10	6/11/2008
Barium	52	1.1		mg/Kg-dry	10	6/11/2008
Beryllium	ND	0.55		mg/Kg-dry	10	6/11/2008
Cadmium	ND	0.55		mg/Kg-dry	10	6/11/2008
Calcium	67000	650		mg/Kg-dry	100	6/11/2008
Chromium	16	1.1		mg/Kg-dry	10	6/11/2008
Cobalt	13	1.1		mg/Kg-dry	10	6/11/2008
Copper	17	2.7		mg/Kg-dry	10	6/11/2008
Iron	22000	33		mg/Kg-dry	10	6/11/2008
Lead	10	0.55		mg/Kg-dry	10	6/11/2008
Magnesium	38000	33		mg/Kg-dry	10	6/11/2008
Manganese	700	1.1		mg/Kg-dry	10	6/11/2008
Nickel	28	1.1		mg/Kg-dry	10	6/11/2008
Potassium	1700	33		mg/Kg-dry	10	6/11/2008
Selenium	ND	1.1		mg/Kg-dry	10	6/11/2008
Silver	ND	1.1		mg/Kg-dry	10	6/11/2008
Sodium	180	65		mg/Kg-dry	10	6/11/2008
Thallium	ND	1.1		mg/Kg-dry	10	6/11/2008
Vanadium	18	1.1		mg/Kg-dry	10	6/11/2008
Zinc	49	5.5		mg/Kg-dry	10	6/11/2008
Cyanide, Total	**SW9012A**			Prep Date: **6/10/2008**		Analyst: **KB**
Cyanide	ND	0.3		mg/Kg-dry	1	6/11/2008
pH (25 °C)	**SW9045C**			Prep Date: **6/10/2008**		Analyst: **FD**
pH	7.7			pH Units	1	6/10/2008
Percent Moisture	**D2974**			Prep Date: **6/11/2008**		Analyst: **FD**
Percent Moisture	15.6	0.01	*	wt%	1	6/12/2008

Qualifiers:

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B - Analyte detected in the associated Method Blank
HT - Sample received past holding time
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Date Reported: August 15, 2008
Date Printed: August 15, 2008

Client: Illinois Environmental Protection Agency
Lab Order: 08060288
Project: PR50, 0971255020, North Chicago
Lab ID: 08060288-011

Client Sample ID: G113
Collection Date: 6/3/2008 5:30:00 PM
Matrix: Water

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	**SW7470A**			Prep Date: **6/11/2008**		Analyst: **VA**
Mercury	ND	0.00025		mg/L	1	6/12/2008
Metals by ICP/MS	**SW6020 (SW3005A)**			Prep Date: **6/10/2008**		Analyst: **JG**
Aluminum	1.3	0.04		mg/L	2	6/10/2008
Antimony	ND	0.006		mg/L	2	6/10/2008
Arsenic	ND	0.004		mg/L	2	6/10/2008
Barium	0.24	0.004		mg/L	2	6/10/2008
Beryllium	ND	0.002		mg/L	2	6/10/2008
Cadmium	ND	0.002		mg/L	2	6/10/2008
Calcium	150	0.2		mg/L	2	6/10/2008
Chromium	0.0044	0.004		mg/L	2	6/10/2008
Cobalt	ND	0.004		mg/L	2	6/10/2008
Copper	ND	0.01		mg/L	2	6/10/2008
Iron	8.2	0.1		mg/L	2	6/10/2008
Lead	0.0027	0.002		mg/L	2	6/10/2008
Magnesium	80	0.1		mg/L	2	6/10/2008
Manganese	0.15	0.004		mg/L	2	6/10/2008
Nickel	0.0085	0.004		mg/L	2	6/10/2008
Potassium	2.7	0.1		mg/L	2	6/10/2008
Selenium	ND	0.004		mg/L	2	6/10/2008
Silver	ND	0.004		mg/L	2	6/10/2008
Sodium	71	0.1		mg/L	2	6/10/2008
Thallium	ND	0.004		mg/L	2	6/10/2008
Vanadium	ND	0.004		mg/L	2	6/10/2008
Zinc	0.032	0.02		mg/L	2	6/10/2008
Cyanide, Total	**SW9012A**			Prep Date: **6/11/2008**		Analyst: **KB**
Cyanide	ND	0.005		mg/L	1	6/11/2008

Qualifiers:

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B - Analyte detected in the associated Method Blank
HT - Sample received past holding time
* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H - Holding time exceeded

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Date Reported: August 15, 2008
Date Printed: August 15, 2008

Client: Illinois Environmental Protection Agency
Lab Order: 08060288
Project: PR50, 0971255020, North Chicago
Lab ID: 08060288-012

Client Sample ID: G163
Collection Date: 6/3/2008 5:30:00 PM
Matrix: Water

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Metals by ICP/MS	**SW6020**	**(SW3005A)**		Prep Date: **8/7/2008**		Analyst: **JG**
Aluminum	0.96	0.04		mg/L	2	8/8/2008
Aluminum	1.1	0.04		mg/L	2	8/7/2008
Antimony	ND	0.006		mg/L	2	8/7/2008
Arsenic	ND	0.004		mg/L	2	8/7/2008
Barium	0.22	0.004		mg/L	2	8/7/2008
Beryllium	ND	0.002		mg/L	2	8/8/2008
Cadmium	ND	0.002		mg/L	2	8/7/2008
Calcium	150	0.2		mg/L	2	8/8/2008
Chromium	0.0059	0.004		mg/L	2	8/7/2008
Cobalt	ND	0.004		mg/L	2	8/7/2008
Copper	ND	0.01		mg/L	2	8/7/2008
Iron	7.7	0.1		mg/L	2	8/7/2008
Lead	ND	0.002		mg/L	2	8/7/2008
Magnesium	82	0.1		mg/L	2	8/7/2008
Manganese	0.13	0.004		mg/L	2	8/7/2008
Nickel	0.0098	0.004		mg/L	2	8/7/2008
Potassium	2.6	0.3		mg/L	2	8/7/2008
Selenium	ND	0.004		mg/L	2	8/7/2008
Silver	ND	0.004		mg/L	2	8/8/2008
Sodium	87	0.3		mg/L	2	8/8/2008
Thallium	ND	0.004		mg/L	2	8/7/2008
Vanadium	ND	0.004		mg/L	2	8/8/2008
Zinc	0.026	0.02		mg/L	2	8/7/2008

Qualifiers:
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B - Analyte detected in the associated Method Blank
HT - Sample received past holding time
* - Non-accredited parameter
RL - Reporting / Quantitation Limit for the analysis
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H - Holding time exceeded

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Date Reported: August 15, 2008
Date Printed: August 15, 2008

Client: Illinois Environmental Protection Agency
Lab Order: 08060288
Project: PR50, 0971255020, North Chicago
Lab ID: 08060288-013

Client Sample ID: G118
Collection Date: 6/4/2008 3:55:00 PM
Matrix: Water

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	**SW7470A**			Prep Date: **6/11/2008**		Analyst: **VA**
Mercury	ND	0.00025		mg/L	1	6/12/2008
Metals by ICP/MS	**SW6020 (SW3005A)**			Prep Date: **6/10/2008**		Analyst: **JG**
Aluminum	7.7	0.04		mg/L	2	6/10/2008
Antimony	ND	0.006		mg/L	2	6/10/2008
Arsenic	0.0072	0.004		mg/L	2	6/10/2008
Barium	0.098	0.004		mg/L	2	6/10/2008
Beryllium	ND	0.002		mg/L	2	6/10/2008
Cadmium	ND	0.002		mg/L	2	6/10/2008
Calcium	93	0.2		mg/L	2	6/10/2008
Chromium	0.026	0.004		mg/L	2	6/10/2008
Cobalt	ND	0.004		mg/L	2	6/10/2008
Copper	0.019	0.01		mg/L	2	6/10/2008
Iron	12	0.1		mg/L	2	6/10/2008
Lead	0.062	0.002		mg/L	2	6/10/2008
Magnesium	42	0.1		mg/L	2	6/10/2008
Manganese	0.26	0.004		mg/L	2	6/10/2008
Nickel	0.02	0.004		mg/L	2	6/10/2008
Potassium	6.2	0.1		mg/L	2	6/10/2008
Selenium	0.0053	0.004		mg/L	2	6/10/2008
Silver	ND	0.004		mg/L	2	6/10/2008
Sodium	27	0.1		mg/L	2	6/10/2008
Thallium	ND	0.004		mg/L	2	6/10/2008
Vanadium	0.017	0.004		mg/L	2	6/10/2008
Zinc	0.08	0.02		mg/L	2	6/10/2008
Cyanide, Total	**SW9012A**			Prep Date: **6/11/2008**		Analyst: **KB**
Cyanide	ND	0.005		mg/L	1	6/11/2008

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
HT - Sample received past holding time
* - Non-accredited parameter
RL - Reporting / Quantitation Limit for the analysis
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H - Holding time exceeded

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Date Reported: August 15, 2008
Date Printed: August 15, 2008

Client: Illinois Environmental Protection Agency
Lab Order: 08060288
Project: PR50, 0971255020, North Chicago
Lab ID: 08060288-014

Client Sample ID: G105
Collection Date: 6/5/2008 10:55:00 AM
Matrix: Water

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	**SW7470A**			Prep Date: **6/11/2008**		Analyst: **VA**
Mercury	ND	0.00025		mg/L	1	6/12/2008
Metals by ICP/MS	**SW6020 (SW3005A)**			Prep Date: **6/10/2008**		Analyst: **JG**
Aluminum	0.14	0.04		mg/L	2	6/10/2008
Antimony	ND	0.006		mg/L	2	6/10/2008
Arsenic	0.13	0.004		mg/L	2	6/10/2008
Barium	0.066	0.004		mg/L	2	6/10/2008
Beryllium	ND	0.002		mg/L	2	6/10/2008
Cadmium	ND	0.002		mg/L	2	6/10/2008
Calcium	66	0.2		mg/L	2	6/10/2008
Chromium	0.012	0.004		mg/L	2	6/10/2008
Cobalt	ND	0.004		mg/L	2	6/10/2008
Copper	0.01	0.01		mg/L	2	6/10/2008
Iron	5.6	0.1		mg/L	2	6/10/2008
Lead	0.014	0.002		mg/L	2	6/10/2008
Magnesium	19	0.1		mg/L	2	6/10/2008
Manganese	0.044	0.004		mg/L	2	6/10/2008
Nickel	0.013	0.004		mg/L	2	6/10/2008
Potassium	0.45	0.1		mg/L	2	6/10/2008
Selenium	ND	0.004		mg/L	2	6/10/2008
Silver	ND	0.004		mg/L	2	6/10/2008
Sodium	7.5	0.1		mg/L	2	6/10/2008
Thallium	ND	0.004		mg/L	2	6/10/2008
Vanadium	ND	0.004		mg/L	2	6/10/2008
Zinc	ND	0.02		mg/L	2	6/10/2008
Cyanide, Total	**SW9012A**			Prep Date: **6/11/2008**		Analyst: **KB**
Cyanide	ND	0.005		mg/L	1	6/11/2008

Qualifiers:

ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank
HT - Sample received past holding time
* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H - Holding time exceeded

STAT Analysis Corporation
2242 West Harrison St., Suite 200, Chicago, IL 60612-3766
Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com
Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Reported: August 15, 2008
Date Printed: August 15, 2008

Client: Illinois Environmental Protection Agency
Lab Order: 08060288
Project: PR50, 0971255020, North Chicago
Lab ID: 08060288-015

Client Sample ID: X120
Collection Date: 6/5/2008 1:00:00 PM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	**SW7471A**			Prep Date: **6/16/2008**		Analyst: **VA**
Mercury	ND	0.03		mg/Kg-dry	1	6/16/2008
Metals by ICP/MS	**SW6020 (SW3050B)**			Prep Date: **6/11/2008**		Analyst: **JG**
Aluminum	7400	240		mg/Kg-dry	100	6/11/2008
Antimony	ND	2.4		mg/Kg-dry	10	6/11/2008
Arsenic	7.4	1.2		mg/Kg-dry	10	6/11/2008
Barium	56	1.2		mg/Kg-dry	10	6/11/2008
Beryllium	ND	0.59		mg/Kg-dry	10	6/11/2008
Cadmium	ND	0.59		mg/Kg-dry	10	6/11/2008
Calcium	78000	710		mg/Kg-dry	100	6/11/2008
Chromium	17	1.2		mg/Kg-dry	10	6/11/2008
Cobalt	8.3	1.2		mg/Kg-dry	10	6/11/2008
Copper	23	3		mg/Kg-dry	10	6/11/2008
Iron	22000	36		mg/Kg-dry	10	6/11/2008
Lead	25	0.59		mg/Kg-dry	10	6/11/2008
Magnesium	47000	36		mg/Kg-dry	10	6/11/2008
Manganese	790	1.2		mg/Kg-dry	10	6/11/2008
Nickel	22	1.2		mg/Kg-dry	10	6/11/2008
Potassium	1600	36		mg/Kg-dry	10	6/11/2008
Selenium	ND	1.2		mg/Kg-dry	10	6/11/2008
Silver	ND	1.2		mg/Kg-dry	10	6/11/2008
Sodium	190	71		mg/Kg-dry	10	6/11/2008
Thallium	ND	1.2		mg/Kg-dry	10	6/11/2008
Vanadium	20	1.2		mg/Kg-dry	10	6/11/2008
Zinc	78	5.9		mg/Kg-dry	10	6/11/2008
Cyanide, Total	**SW9012A**			Prep Date: **6/10/2008**		Analyst: **KB**
Cyanide	ND	0.3		mg/Kg-dry	1	6/11/2008
pH (25 °C)	**SW9045C**			Prep Date: **6/10/2008**		Analyst: **FD**
pH	8.0			pH Units	1	6/10/2008
Percent Moisture	**D2974**			Prep Date: **6/11/2008**		Analyst: **FD**
Percent Moisture	17.4	0.01	*	wt%	1	6/12/2008

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
HT - Sample received past holding time
* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H - Holding time exceeded

STAT Analysis Corporation
2242 West Harrison St., Suite 200, Chicago, IL 60612-3766
Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com
Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Reported: August 15, 2008
Date Printed: August 15, 2008

Client: Illinois Environmental Protection Agency
Lab Order: 08060288
Project: PR50, 0971255020, North Chicago
Lab ID: 08060288-016

Client Sample ID: X124
Collection Date: 6/5/2008 5:00:00 PM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	**SW7471A**			Prep Date: **6/16/2008**		Analyst: **VA**
Mercury	0.078	0.027		mg/Kg-dry	1	6/16/2008
Metals by ICP/MS	**SW6020 (SW3050B)**			Prep Date: **6/11/2008**		Analyst: **JG**
Aluminum	5700	200		mg/Kg-dry	100	6/11/2008
Antimony	7.2	2		mg/Kg-dry	10	6/11/2008
Arsenic	6	0.98		mg/Kg-dry	10	6/11/2008
Barium	75	0.98		mg/Kg-dry	10	6/11/2008
Beryllium	ND	0.49		mg/Kg-dry	10	6/11/2008
Cadmium	1.6	0.49		mg/Kg-dry	10	6/11/2008
Calcium	38000	59		mg/Kg-dry	10	6/11/2008
Chromium	24	0.98		mg/Kg-dry	10	6/11/2008
Cobalt	33	0.98		mg/Kg-dry	10	6/11/2008
Copper	410	2.4		mg/Kg-dry	10	6/11/2008
Iron	14000	29		mg/Kg-dry	10	6/11/2008
Lead	350	0.49		mg/Kg-dry	10	6/11/2008
Magnesium	21000	29		mg/Kg-dry	10	6/11/2008
Manganese	380	0.98		mg/Kg-dry	10	6/11/2008
Nickel	18	0.98		mg/Kg-dry	10	6/11/2008
Potassium	770	29		mg/Kg-dry	10	6/11/2008
Selenium	ND	0.98		mg/Kg-dry	10	6/11/2008
Silver	ND	0.98		mg/Kg-dry	10	6/11/2008
Sodium	80	59		mg/Kg-dry	10	6/11/2008
Thallium	ND	0.98		mg/Kg-dry	10	6/11/2008
Vanadium	17	0.98		mg/Kg-dry	10	6/11/2008
Zinc	1200	49		mg/Kg-dry	100	6/11/2008
Cyanide, Total	**SW9012A**			Prep Date: **6/10/2008**		Analyst: **KB**
Cyanide	ND	0.28		mg/Kg-dry	1	6/11/2008
Organic Carbon Content	**D2974**			Prep Date: **6/11/2008**		Analyst: **FD**
Organic Carbon Content	2.4	0.01	*	wt%	1	6/12/2008
pH (25 °C)	**SW9045C**			Prep Date: **6/10/2008**		Analyst: **FD**
pH	7.8			pH Units	1	6/10/2008
Percent Moisture	**D2974**			Prep Date: **6/11/2008**		Analyst: **FD**
Percent Moisture	9.7	0.01	*	wt%	1	6/12/2008

Qualifiers:
- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quanititation limits
- B - Analyte detected in the associated Method Blank
- HT - Sample received past holding time
- * - Non-accredited parameter
- RL - Reporting / Quantitation Limit for the analysis
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range
- H - Holding time exceeded

Illinois Environmental Protection Agency Chain of Custody

Preservative Codes	Container Description	
	Soil	Aqueous
1 None	VOC - 2 oz. glass (2)	VOC - 40 mL glass (3)
2 VOA - HCl	SVOC - 8 oz. glass (1)	SVOC, Pest/PCB - 40 oz amber glass (1)*
3 Metals - HNO3	Pest/PCB - 8 oz. glass (1)	Inorganics - 1 qt. plastic (1)
4 Cyanide - NaOH	Inorganics - 16 oz. glass (1)	* duplicate 1 out of 10
5 Other		
6 Other		

Fund:	LPC#:	Locality:	Cooler Initially Sealed By	Date Initially Sealed
PR50	0971255020		[illegible]	5-30-08
Section:	**Site Name:**	**Project Manager:**	**Phone Number:**	**Initial Cooler Seal #**
	North Chicago (a.k.a Chemical Packing)	Jim Salch	217-785-8726	047

Lab Sample No.	Parameter Group: Total Metals	Cyan.	Mercury	TPH				Collection Information: Field Sample Number	Matrix	No. of Bottles	Date Collected	Time Collected (24 hr clock)	Sampler's Initials	Special Notations	Legal Hold Y or N
001	X	X	X	X				X110	Soil	2	6-3-08	1300	TW		
002	X	X	X					X111A	Soil	1	6-3-08	1400	TW		
003	X	X	X					X112	Soil	1	6-4-08	1715	TW		
004	X	X	X	X				X113	Soil	2	6-3-08	1530	TW		
005	X	X	X					X114A	Soil	1	6-4-08	1045	TW		
006	X	X	X					X115	Soil	1	6-4-08	1200	TW		
007				X				X116A	Soil	1	6-4-08	1615	TW		
008	X	X	X					X118	Soil	1	6-4-08	1345	TW	MS/MSD	
009	X	X	X					X121	Soil	1	6-3-08	1020	TW		
010	X	X	X					X164	Soil	1	6-4-08	1045	TW		
011	X	X						G113	water	2	6-3-08	1730	TW		
012								G163	water	2	6-3-08	1730	TW		

Opener: I certify that I received the sample shipping container with the shipping container sealed and intact.

Cooler Opened by:	Seal No:	Date:	Time:	Intact
Tony Wasilewski	047	6-4-08	1530	Y-N
				Y-N

Sealer: I certify that the samples listed above were collected in my presence and sealed by me

Cooler Sealed By:	Seal No.:	Date:	Time:
Tony Wasilewski	016	6-5-08	1715

I certify that I received the cooler containing the above samples with the seal(s) intact.

Received for Lab by:	Seal No:	Date:	Time:	Intact:
[illegible]		6/6/08	1530	Y-N

Lab Comments: 08060288

Supervisor Releasing Results: Date:

Sample Courier: UPS

Turnaround Time Requested:

Samplers: Tony Wasilewski

Illinois Environmental Protection Agency Chain of Custody

Preservative Codes	Container Description: Soil	Container Description: Aqueous
1. None		
2. VOA - HCl	VOC - 2 oz. glass (2)	VOC - 40 mL glass (3)
3. Metals - HNO3	SVOC - 8 oz. glass (1)	SVOC, Pest/PCB - 40 oz amber glass (1)*
4. Cyanide - NaOH	Pest/PCB - 8 oz. glass (1)	
5. Other:	Inorganics - 16 oz. glass (1)	Inorganics - 1 qt. plastic (1)
6. Other		* duplicate 1 out of 10

Fund.	LPC#:	Locality:	Cooler Initially Sealed By:	Date Initially Sealed
PR50	0971255020		[illegible]	5-24-05
Section:	Site Name: North Chicago (a.k.a Chemical Packing)	Project Manager: Jim Salch	Phone Number: 217-785-8726	Initial Cooler Seal #: 047

Lab Sample No.	Total Metals	Cyanide	Mercury	TPH	pH	FOC		Field Sample Number	Matrix	No. of Bottles	Date Collected	Time Collected (24 hr clock)	Sampler's Initials	Special Notations	Legal Hold Y or N
013	X	X						G118	water	4	6-4-08	1555	JW		
014	X	X						G105	water	2	6-5-08	1055	JW		
	X	X	X					X119	soil	1	6-5-08	1430	JW		
015	X	X	X					X120	soil	1	6-5-08	1300	JW		
	X	X	X					X130	soil	1	6-5-08	1630	JW		
016	X	X	X			X		X124	soil	2	6-5-08	1700	JW		

Opener: I certify that I received the sample shipping container with the shipping container sealed and intact.

Cooler Opened by:	Seal No:	Date:	Time:	Intact
Tony Wasilewski	047	6-4-08	1530	Y-N
				Y-N

Sealer: I certify that the samples listed above were collected in my presence and sealed by me.

Cooler Sealed By:	Seal No.:	Date:	Time:
Tony Wasilewski	063	6-5-08	1715

I certify that I received the cooler containing the above samples with the seal(s) intact.

Received for Lab by:	Seal No:	Date:	Time:	Intact:
[illegible]		6/6/08	1530	Y-N

Lab Comments: 08060288

Supervisor Releasing Results: Date:

Sample Courier: UPS

Turnaround Time Requested: 30 days

Samplers: Jerry Willman

STAT Analysis Corporation

Sample Receipt Checklist

Client Name IEPA

Date and Time Received: 6/6/2008 3:30:00 PM

Work Order Number 08060288

Received by: CDF

Checklist completed by: Signature Date 6/9/08

Reviewed by: Initials Date 7/18/08

Matrix: Carrier name: UPS

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/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 ☐	
Container or Temp Blank temperature in compliance?	Yes ☑	No ☐	Temperature 2.3 °C
Water - VOA vials have zero headspace?	No VOA vials submitted ☑	Yes ☐	No ☐
Water - Samples pH checked?	Yes ☑	No ☐	Checked by: CJ
Water - Samples properly preserved?	Yes ☑	No ☐	pH Adjusted? 100

Any No response must be detailed in the comments section below.

Comments: Sample Containers Were Received Broken For X119 And X130.

Client / Person contacted: Dave/Jim Date contacted: 6/10/08 Contacted by: CN-email

Response:

Craig Chawla

From: Salch, Jim [Jim.Salch@Illinois.gov]
Sent: Monday, August 04, 2008 4:27 PM
To: Craig Chawla
Subject: RE: PR50, 0971255020, North Chicago 08060288

Great! Go ahead and analyze it if you can. Thanks!!

James M. Salch, L.P.G.
jim.salch@illinois.gov
217/785-8726

-----Original Message-----
From: Craig Chawla [mailto:cchawla@statanalysis.com]
Sent: Monday, August 04, 2008 3:55 PM
To: Salch, Jim
Subject: RE: PR50, 0971255020, North Chicago 08060288

We still have the sample. Metals (except for Mercury) are within hold time.

Craig Chawla
STAT Analysis Corporation
(312)733-0551

-----Original Message-----
From: Salch, Jim [mailto:Jim.Salch@Illinois.gov]
Sent: Monday, August 04, 2008 3:39 PM
To: Craig Chawla
Subject: RE: PR50, 0971255020, North Chicago 08060288

Did you guys notify me of that when you got the samples? I don't suppose you still have the sample?

James M. Salch, L.P.G.
jim.salch@illinois.gov
217/785-8726

-----Original Message-----
From: Craig Chawla [mailto:cchawla@statanalysis.com]
Sent: Monday, August 04, 2008 3:04 PM
To: Salch, Jim
Subject: RE: PR50, 0971255020, North Chicago 08060288

Jim,

G-163 is part of the attached report. The COC had no analysis indicated for

STAT Analysis Corporation

PREP BATCH REPORT

Prep Start Date: **6/9/2008 3:49:14 PM**
Prep End Date: **6/11/2008 5:32:35 P**

Prep Batch **35588** Prep Code: **3580_TPH** Technician: **ML**

Prep Factor Units: **mL / Kg**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
MB-35588-TPH			0.001	0	0	10	10000.000	6/9/2008	6/9/2008
LCS-35588-TPH			0.001	0	0	10	10000.000	6/9/2008	6/9/2008
08060298-001A	Oil		0.00112	0	0	10	8928.571	6/9/2008	6/9/2008
LCSD-35588-TPH			0.001	0	0	10	10000.000	6/9/2008	6/9/2008
08060288-001A	Soil		0.00531	0	0	5	941.620	6/10/2008	6/10/2008
08060288-004A	Soil		0.00516	0	0	5	968.992	6/10/2008	6/10/2008
08060288-007A	Soil		0.00507	0	0	5	986.193	6/10/2008	6/10/2008
08060330-001A	Soil		0.00513	0	0	5	974.659	6/10/2008	6/11/2008
08060331-001B	Soil		0.00319	0	0	5	1567.398	6/10/2008	6/11/2008

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060288
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: 35588

Sample ID: **LCS-35588-TPH** SampType: **LCS** TestCode: **TPH** Units: **mg/Kg** Prep Date: **6/9/2008** Run ID: **GC-FID_080609A**
Client ID: ZZZZZ Batch ID: **35588** TestNo: **SW8015M** Analysis Date: **6/9/2008** SeqNo: **1149066**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (GRO)	883	200	1000	0	88.3	30	150	0	0		
TPH (DRO)	1006	200	1000	0	101	30	150	0	0		
TPH (ERO)	1152	200	1000	0	115	30	150	0	0		*

Sample ID: **LCSD-35588-TPH** SampType: **LCSD** TestCode: **TPH** Units: **mg/Kg** Prep Date: **6/9/2008** Run ID: **GC-FID_080609A**
Client ID: ZZZZZ Batch ID: **35588** TestNo: **SW8015M** Analysis Date: **6/9/2008** SeqNo: **1149067**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (GRO)	845.9	200	1000	0	84.6	30	150	883	4.29	25	
TPH (DRO)	958.5	200	1000	0	95.8	30	150	1006	4.89	25	
TPH (ERO)	1111	200	1000	0	111	30	150	1152	3.62	25	*

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded
B - Analyte detected in the associated Method Blank
E - Value above quantitation range

STAT Analysis Corporation

PREP BATCH REPORT

Prep Start Date: **6/10/2008 10:00:00**
Prep End Date: **6/10/2008 3:45:00 P**

Prep Factor Units: **mL / mL**

Prep Batch **35613** Prep Code: **M_W_PREP** Technician: **PN**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
IMBW1 6/10/08			50	0	0	50	1.000	6/10/2008	6/10/2008
ILCSW1 6/10/08			50	0	0	50	1.000	6/10/2008	6/10/2008
IMBTCLP1 6/9/08			50	0	0	50	1.000	6/10/2008	6/10/2008
IMBSPLP 6/9/08			50	0	0	50	1.000	6/10/2008	6/10/2008
08050631-001B	Soil		50	0	0	50	1.000	6/10/2008	6/10/2008
08060154-007A	Water		50	0	0	50	1.000	6/10/2008	6/10/2008
08060154-008B	Water		50	0	0	50	1.000	6/10/2008	6/10/2008
08060288-011A	Water		50	0	0	50	1.000	6/10/2008	6/10/2008
08060288-013A	Water		50	0	0	50	1.000	6/10/2008	6/10/2008
08060288-014A	Water		50	0	0	50	1.000	6/10/2008	6/10/2008
08060299-001A	Solid		50	0	0	50	1.000	6/10/2008	6/10/2008
08060303-001A	Liquid		50	0	0	50	1.000	6/10/2008	6/10/2008
08060304-001A	Solid		50	0	0	50	1.000	6/10/2008	6/10/2008
08060288-011AMS	Water		50	0	0	50	1.000	6/10/2008	6/10/2008
08060288-011AMSD	Water		50	0	0	50	1.000	6/10/2008	6/10/2008
08050631-001BMS	Soil		50	0	0	50	1.000	6/10/2008	6/10/2008
08060285-001B	Soil		50	0	0	50	1.000	6/10/2008	6/10/2008
08060285-002B	Soil		50	0	0	50	1.000	6/10/2008	6/10/2008
08060285-003B	Soil		50	0	0	50	1.000	6/10/2008	6/10/2008
08060285-004B	Soil		50	0	0	50	1.000	6/10/2008	6/10/2008
08060285-001BMS	Soil		50	0	0	50	1.000	6/10/2008	6/10/2008

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060288
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: 35613

Sample ID: **IMBW1 6/10/08** SampType: **MBLK** TestCode: **M_ICPMS_W** Units: **mg/L** Prep Date: **6/10/2008** Run ID: **ICPMS_080610A**
Client ID: ZZZZZ Batch ID: **35613** TestNo: **SW6020** Analysis Date: **6/10/2008** SeqNo: **1149958**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	0.02533	0.040									J
Antimony	ND	0.0060									
Cobalt	ND	0.0040									
Sodium	0.08999	0.30									J

Sample ID: **IMBW1 6/10/08** SampType: **MBLK** TestCode: **M_ICPMS_W** Units: **mg/L** Prep Date: **6/10/2008** Run ID: **ICPMS-2_080610A**
Client ID: ZZZZZ Batch ID: **35613** TestNo: **SW6020** Analysis Date: **6/10/2008** SeqNo: **1150010**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.0040									
Barium	ND	0.0040									
Beryllium	ND	0.0020									
Cadmium	ND	0.0020									
Calcium	ND	0.20									
Chromium	ND	0.0040									
Copper	ND	0.010									
Iron	ND	0.10									
Lead	ND	0.0020									
Magnesium	ND	0.10									
Manganese	ND	0.0040									
Nickel	ND	0.0040									
Potassium	0.03269	0.10									J
Selenium	ND	0.0040									
Silver	ND	0.0040									
Thallium	ND	0.0020									
Vanadium	ND	0.0040									
Zinc	0.00263	0.020									J

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded
B - Analyte detected in the associated Method Blank
E - Value above quantitation range

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060288
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: 35613

Sample ID: **ILCSW1 6/10/08** SampType: **LCS** TestCode: **M_ICPMS_W** Units: **mg/L** Prep Date: **6/10/2008** Run ID: **ICPMS_080610A**
Client ID: ZZZZZ Batch ID: **35613** TestNo: **SW6020** Analysis Date: **6/10/2008** SeqNo: **1149959**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	0.5008	0.040	0.5	0.02533	95.1	80	120	0	0		
Antimony	0.3784	0.0060	0.25	0	151	80	120	0	0		S
Cobalt	0.5025	0.0040	0.5	0	100	80	120	0	0		
Sodium	1.993	0.30	2	0.08999	95.2	80	120	0	0		

Sample ID: **ILCSW1 6/10/08** SampType: **LCS** TestCode: **M_ICPMS_W** Units: **mg/L** Prep Date: **6/10/2008** Run ID: **ICPMS-2_080610A**
Client ID: ZZZZZ Batch ID: **35613** TestNo: **SW6020** Analysis Date: **6/10/2008** SeqNo: **1150011**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.4926	0.0040	0.5	0	98.5	80	120	0	0		
Barium	0.506	0.0040	0.5	0	101	80	120	0	0		
Beryllium	0.4805	0.0020	0.5	0	96.1	80	120	0	0		
Cadmium	0.4932	0.0020	0.5	0	98.6	80	120	0	0		
Calcium	2.147	0.20	2	0	107	80	120	0	0		
Chromium	0.5176	0.0040	0.5	0	104	80	120	0	0		
Copper	0.5223	0.010	0.5	0	104	80	120	0	0		
Iron	2.153	0.10	2	0	108	80	120	0	0		
Lead	0.4947	0.0020	0.5	0	98.9	80	120	0	0		
Magnesium	2.051	0.10	2	0	103	80	120	0	0		
Manganese	0.5313	0.0040	0.5	0	106	80	120	0	0		
Nickel	0.5308	0.0040	0.5	0	106	80	120	0	0		
Potassium	2.062	0.10	2	0.03269	101	80	120	0	0		
Selenium	0.4905	0.0040	0.5	0	98.1	80	120	0	0		
Silver	0.1996	0.0040	0.2	0	99.8	80	120	0	0		
Thallium	0.4863	0.0020	0.5	0	97.3	80	120	0	0		
Vanadium	0.496	0.0040	0.5	0	99.2	80	120	0	0		
Zinc	0.5204	0.020	0.5	0.00263	104	80	120	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
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R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded
B - Analyte detected in the associated Method Blank
E - Value above quantitation range

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060288
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: 35613

Sample ID: **08060288-011AMS** SampType: **MS** TestCode: **M_ICPMS_W** Units: **mg/L** Prep Date: **6/10/2008** Run ID: **ICPMS_080610A**
Client ID: **G113** Batch ID: **35613** TestNo: **SW6020** Analysis Date: **6/10/2008** SeqNo: **1149961**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	1.553	0.040	0.5	1.336	43.4	75	125	0	0		S
Antimony	0.3626	0.0060	0.25	0	145	75	125	0	0		S
Calcium	147.4	0.20	2	148.2	-40	75	125	0	0		S
Cobalt	0.4489	0.0040	0.5	0	89.8	75	125	0	0		
Sodium	70.45	0.30	2	71.13	-34	75	125	0	0		S

Sample ID: **08060288-011AMS** SampType: **MS** TestCode: **M_ICPMS_W** Units: **mg/L** Prep Date: **6/10/2008** Run ID: **ICPMS-2_080610A**
Client ID: **G113** Batch ID: **35613** TestNo: **SW6020** Analysis Date: **6/10/2008** SeqNo: **1150015**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.4918	0.0040	0.5	0.00228	97.9	75	125	0	0		
Barium	0.7557	0.0040	0.5	0.245	102	75	125	0	0		
Beryllium	0.4777	0.0020	0.5	0	95.5	75	125	0	0		
Cadmium	0.4833	0.0020	0.5	0	96.7	75	125	0	0		
Chromium	0.493	0.0040	0.5	0.00439	97.7	75	125	0	0		
Copper	0.4645	0.010	0.5	0.00412	92.1	75	125	0	0		
Iron	9.595	0.10	2	8.215	69	75	125	0	0		S
Lead	0.5065	0.0020	0.5	0.00271	101	75	125	0	0		
Magnesium	85.41	0.10	2	80.39	251	75	125	0	0		S
Manganese	0.6357	0.0040	0.5	0.1468	97.8	75	125	0	0		
Nickel	0.4911	0.0040	0.5	0.00851	96.5	75	125	0	0		
Potassium	4.649	0.10	2	2.69	98	75	125	0	0		
Selenium	0.4761	0.0040	0.5	0	95.2	75	125	0	0		
Silver	0.1929	0.0040	0.2	0	96.4	75	125	0	0		
Thallium	0.5036	0.0020	0.5	0	101	75	125	0	0		
Vanadium	0.4942	0.0040	0.5	0.00222	98.4	75	125	0	0		
Zinc	0.4916	0.020	0.5	0.03234	91.9	75	125	0	0		

Qualifiers:
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H/HT - Holding Time Exceeded
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E - Value above quantitation range

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060288
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: 35613

Sample ID: **08060288-011AMSD** SampType: **MSD** TestCode: **M_ICPMS_W** Units: **mg/L** Prep Date: **6/10/2008** Run ID: **ICPMS_080610A**
Client ID: **G113** Batch ID: **35613** TestNo: **SW6020** Analysis Date: **6/10/2008** SeqNo: **1149962**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	1.646	0.040	0.5	1.336	62	75	125	1.553	5.81	20	S
Antimony	0.3635	0.0060	0.25	0	145	75	125	0.3626	0.248	20	S
Calcium	149.6	0.20	2	148.2	70	75	125	147.4	1.48	20	S
Cobalt	0.4638	0.0040	0.5	0	92.8	75	125	0.4489	3.27	20	
Sodium	73.5	0.30	2	71.13	118	75	125	70.45	4.24	20	

Sample ID: **08060288-011AMSD** SampType: **MSD** TestCode: **M_ICPMS_W** Units: **mg/L** Prep Date: **6/10/2008** Run ID: **ICPMS-2_080610A**
Client ID: **G113** Batch ID: **35613** TestNo: **SW6020** Analysis Date: **6/10/2008** SeqNo: **1150016**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.5	0.0040	0.5	0.00228	99.5	75	125	0.4918	1.65	20	
Barium	0.7571	0.0040	0.5	0.245	102	75	125	0.7557	0.185	20	
Beryllium	0.4817	0.0020	0.5	0	96.3	75	125	0.4777	0.834	20	
Cadmium	0.484	0.0020	0.5	0	96.8	75	125	0.4833	0.145	20	
Chromium	0.5023	0.0040	0.5	0.00439	99.6	75	125	0.493	1.87	20	
Copper	0.4672	0.010	0.5	0.00412	92.6	75	125	0.4645	0.580	20	
Iron	9.778	0.10	2	8.215	78.2	75	125	9.595	1.89	20	
Lead	0.5173	0.0020	0.5	0.00271	103	75	125	0.5065	2.11	20	
Magnesium	82.79	0.10	2	80.39	120	75	125	85.41	3.12	20	
Manganese	0.6411	0.0040	0.5	0.1468	98.9	75	125	0.6357	0.846	20	
Nickel	0.4933	0.0040	0.5	0.00851	97	75	125	0.4911	0.447	20	
Potassium	4.662	0.10	2	2.69	98.6	75	125	4.649	0.279	20	
Selenium	0.4825	0.0040	0.5	0	96.5	75	125	0.4761	1.34	20	
Silver	0.1945	0.0040	0.2	0	97.2	75	125	0.1929	0.826	20	
Thallium	0.5112	0.0020	0.5	0	102	75	125	0.5036	1.50	20	
Vanadium	0.5032	0.0040	0.5	0.00222	100	75	125	0.4942	1.80	20	
Zinc	0.4916	0.020	0.5	0.03234	91.9	75	125	0.4916	0	20	

Qualifiers:
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E - Value above quantitation range

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060288
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: 35623

Sample ID: **IMBS1 6/11/08** SampType: **MBLK** TestCode: **M_ICPMS_S** Units: **mg/Kg** Prep Date: **6/11/2008** Run ID: **ICPMS_080611B**
Client ID: ZZZZZ Batch ID: **35623** TestNo: **SW6020** Analysis Date: **6/11/2008** SeqNo: **1151089**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	10									
Antimony	ND	1.0									
Arsenic	ND	0.50									
Barium	ND	0.50									
Beryllium	ND	0.25									
Cadmium	ND	0.25									
Calcium	ND	30									
Chromium	ND	0.50									
Cobalt	ND	0.50									
Copper	ND	1.2									
Iron	ND	15									
Lead	ND	0.25									
Magnesium	ND	15									
Manganese	ND	0.50									
Nickel	ND	0.50									
Potassium	ND	15									
Selenium	ND	0.50									
Silver	ND	0.50									
Sodium	ND	30									
Thallium	ND	0.50									
Vanadium	ND	0.50									
Zinc	0.6322	2.5									J

Sample ID: **ILCSS1 6/11/08** SampType: **LCS** TestCode: **M_ICPMS_S** Units: **mg/Kg** Prep Date: **6/11/2008** Run ID: **ICPMS_080611B**
Client ID: ZZZZZ Batch ID: **35623** TestNo: **SW6020** Analysis Date: **6/11/2008** SeqNo: **1151090**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	26.68	10	25	0	107	80	120	0	0		
Antimony	22.65	1.0	12.5	0	181	80	120	0	0		S
Arsenic	26.02	0.50	25	0	104	80	120	0	0		
Barium	28.18	0.50	25	0	113	80	120	0	0		

Qualifiers:
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R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded
B - Analyte detected in the associated Method Blank
E - Value above quantitation range

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060288
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: 35623

Sample ID: **ILCSS1 6/11/08** SampType: **LCS** TestCode: **M_ICPMS_S** Units: **mg/Kg** Prep Date: **6/11/2008** Run ID: **ICPMS_080611B**
Client ID: **ZZZZZ** Batch ID: **35623** TestNo: **SW6020** Analysis Date: **6/11/2008** SeqNo: **1151090**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Beryllium	24.35	0.25	25	0	97.4	80	120	0	0		
Cadmium	26.58	0.25	25	0	106	80	120	0	0		
Calcium	104.7	30	100	0	105	80	120	0	0		
Chromium	27.05	0.50	25	0	108	80	120	0	0		
Cobalt	26.9	0.50	25	0	108	80	120	0	0		
Copper	27.15	1.2	25	0	109	80	120	0	0		
Iron	104.1	15	100	0	104	80	120	0	0		
Lead	26.85	0.25	25	0	107	80	120	0	0		
Magnesium	103.2	15	100	0	103	80	120	0	0		
Manganese	27.12	0.50	25	0	108	80	120	0	0		
Nickel	27.48	0.50	25	0	110	80	120	0	0		
Potassium	106.3	15	100	0	106	80	120	0	0		
Selenium	24.58	0.50	25	0	98.3	80	120	0	0		
Silver	10.58	0.50	10	0	106	80	120	0	0		
Sodium	106.3	30	100	0	106	80	120	0	0		
Thallium	25.78	0.50	25	0	103	80	120	0	0		
Vanadium	26.88	0.50	25	0	108	80	120	0	0		
Zinc	25.82	2.5	25	0.6322	101	80	120	0	0		

Sample ID: **08060288-008AMS** SampType: **MS** TestCode: **M_ICPMS_S** Units: **mg/Kg-dry** Prep Date: **6/11/2008** Run ID: **ICPMS_080611B**
Client ID: **X118** Batch ID: **35623** TestNo: **SW6020** Analysis Date: **6/11/2008** SeqNo: **1151106**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	8.456	2.3	14.97	1.219	48.3	75	125	0	0		S
Arsenic	39.49	1.2	29.94	9.894	98.8	75	125	0	0		
Barium	113.2	1.2	29.94	84.43	96	75	125	0	0		
Beryllium	28.91	0.59	29.94	0.5609	94.7	75	125	0	0		
Cadmium	31.16	0.59	29.94	0	104	75	125	0	0		
Calcium	4671	72	119.8	5254	-486	75	125	0	0		S
Chromium	54.92	1.2	29.94	24.97	100	75	125	0	0		
Cobalt	40.78	1.2	29.94	12	96.1	75	125	0	0		

Qualifiers:
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R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded
B - Analyte detected in the associated Method Blank
E - Value above quantitation range

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060288
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: 35623

Sample ID: **08060288-008AMS** SampType: **MS** TestCode: **M_ICPMS_S** Units: **mg/Kg-dry** Prep Date: **6/11/2008** Run ID: **ICPMS_080611B**
Client ID: **X118** Batch ID: **35623** TestNo: **SW6020** Analysis Date: **6/11/2008** SeqNo: **1151106**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	54.1	3.0	29.94	26.11	93.5	75	125	0	0		
Iron	25590	36	119.8	27530	-1620	75	125	0	0		S
Lead	64.62	0.59	29.94	31.43	111	75	125	0	0		
Magnesium	5843	36	119.8	6337	-412	75	125	0	0		S
Manganese	445.1	1.2	29.94	448.2	-10.3	75	125	0	0		S
Nickel	55.14	1.2	29.94	28.54	88.8	75	125	0	0		
Potassium	1785	36	119.8	1653	110	75	125	0	0		
Selenium	29.48	1.2	29.94	0	98.5	75	125	0	0		
Silver	11.68	1.2	11.98	0	97.5	75	125	0	0		
Sodium	239.1	72	119.8	126.4	94.1	75	125	0	0		
Thallium	30.4	1.2	29.94	0	102	75	125	0	0		
Vanadium	56.25	1.2	29.94	27.83	94.9	75	125	0	0		

Sample ID: **08060288-008AMS** SampType: **MS** TestCode: **M_ICPMS_S** Units: **mg/Kg-dry** Prep Date: **6/11/2008** Run ID: **ICPMS_080611B**
Client ID: **X118** Batch ID: **35623** TestNo: **SW6020** Analysis Date: **6/11/2008** SeqNo: **1151123**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	13190	230	29.94	12980	690	75	125	0	0		S
Zinc	121.7	59	29.94	93.1	95.5	75	125	0	0		

Sample ID: **08060288-008AMSD** SampType: **MSD** TestCode: **M_ICPMS_S** Units: **mg/Kg-dry** Prep Date: **6/11/2008** Run ID: **ICPMS_080611B**
Client ID: **X118** Batch ID: **35623** TestNo: **SW6020** Analysis Date: **6/11/2008** SeqNo: **1151107**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	7.51	2.5	15.1	1.219	41.7	75	125	8.456	11.9	20	S
Arsenic	39.32	1.2	30.21	9.894	97.4	75	125	39.49	0.422	20	
Barium	110	1.2	30.21	84.43	84.5	75	125	113.2	2.90	20	
Beryllium	28.85	0.61	30.21	0.5609	93.6	75	125	28.91	0.207	20	
Cadmium	30.73	0.61	30.21	0	102	75	125	31.16	1.38	20	
Calcium	5110	73	120.8	5254	-119	75	125	4671	8.97	20	S
Chromium	54.51	1.2	30.21	24.97	97.8	75	125	54.92	0.762	20	

Qualifiers:
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R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded
B - Analyte detected in the associated Method Blank
E - Value above quantitation range

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060288
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: 35623

Sample ID: **08060288-008AMSD** SampType: **MSD** TestCode: **M_ICPMS_S** Units: **mg/Kg-dry** Prep Date: **6/11/2008** Run ID: **ICPMS_080611B**
Client ID: **X118** Batch ID: **35623** TestNo: **SW6020** Analysis Date: **6/11/2008** SeqNo: **1151107**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cobalt	41.19	1.2	30.21	12	96.6	75	125	40.78	0.993	20	
Copper	53.06	3.0	30.21	26.11	89.2	75	125	54.1	1.95	20	
Iron	26160	36	120.8	27530	-1130	75	125	25590	2.20	20	S
Lead	60.66	0.61	30.21	31.43	96.8	75	125	64.62	6.33	20	
Magnesium	6027	36	120.8	6337	-256	75	125	5843	3.10	20	S
Manganese	449.5	1.2	30.21	448.2	4.6	75	125	445.1	0.997	20	S
Nickel	55.64	1.2	30.21	28.54	89.7	75	125	55.14	0.908	20	
Potassium	1690	36	120.8	1653	30.8	75	125	1785	5.46	20	S
Selenium	28.95	1.2	30.21	0	95.8	75	125	29.48	1.82	20	
Silver	11.64	1.2	12.08	0	96.3	75	125	11.68	0.362	20	
Sodium	233.9	73	120.8	126.4	89	75	125	239.1	2.20	20	
Thallium	30.36	1.2	30.21	0	100	75	125	30.4	0.134	20	
Vanadium	56.45	1.2	30.21	27.83	94.7	75	125	56.25	0.353	20	

Sample ID: **08060288-008AMSD** SampType: **MSD** TestCode: **M_ICPMS_S** Units: **mg/Kg-dry** Prep Date: **6/11/2008** Run ID: **ICPMS_080611B**
Client ID: **X118** Batch ID: **35623** TestNo: **SW6020** Analysis Date: **6/11/2008** SeqNo: **1151124**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	13360	250	30.21	12980	1270	75	125	13190	1.33	20	S
Zinc	125.6	61	30.21	93.1	108	75	125	121.7	3.16	20	

Qualifiers:
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H/HT - Holding Time Exceeded
B - Analyte detected in the associated Method Blank
E - Value above quantitation range

STAT Analysis Corporation

PREP BATCH REPORT

Prep Start Date: **8/8/2008 9:45:00 AM**
Prep End Date: **8/8/2008 11:15:00 A**

Prep Factor Units: **mL / ml**

Prep Batch **36777** Prep Code: **M_W_PREP** Technician: **PN**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
IMBW1 8/7/08			50	0	0	50	1.000	8/7/2008	8/7/2008
ILCSW1 8/7/08			50	0	0	50	1.000	8/7/2008	8/7/2008
08060288-012A	Water		50	0	0	50	1.000	8/7/2008	8/7/2008
08071041-001A	Sludge		50	0	0	50	1.000	8/7/2008	8/7/2008
08071043-001A	Solid		50	0	0	50	1.000	8/7/2008	8/7/2008
08080037-001B	Water		50	0	0	50	1.000	8/7/2008	8/7/2008
08080039-005C	Water		50	0	0	50	1.000	8/7/2008	8/7/2008
08080039-006C	Water		50	0	0	50	1.000	8/7/2008	8/7/2008
08080084-004C	Water		50	0	0	50	1.000	8/7/2008	8/7/2008
08060288-012AMS	Water		50	0	0	50	1.000	8/7/2008	8/7/2008
08060288-012AMSD	Water		50	0	0	50	1.000	8/7/2008	8/7/2008
08070923-005F	Water		50	0	0	50	1.000	8/7/2008	8/7/2008
08080208-001B	Water		50	0	0	50	1.000	8/7/2008	8/7/2008
08080208-002B	Water		50	0	0	50	1.000	8/7/2008	8/7/2008
08071034-001A	Soil		50	0	0	50	1.000	8/8/2008	8/8/2008
08080028-003B	Water		50	0	0	50	1.000	8/8/2008	8/8/2008
08080195-001A	Water		50	0	0	50	1.000	8/8/2008	8/8/2008
08080195-002A	Water		50	0	0	50	1.000	8/8/2008	8/8/2008
08080196-001A	Water		50	0	0	50	1.000	8/8/2008	8/8/2008
08080196-002A	Water		50	0	0	50	1.000	8/8/2008	8/8/2008
08080197-001A	Water		50	0	0	50	1.000	8/8/2008	8/8/2008
08080197-002A	Water		50	0	0	50	1.000	8/8/2008	8/8/2008
08080198-001A	Water		50	0	0	50	1.000	8/8/2008	8/8/2008
08080198-002A	Water		50	0	0	50	1.000	8/8/2008	8/8/2008

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060288
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: 36777

Sample ID: **IMBW1 8/7/08** SampType: **MBLK** TestCode: **M_ICPMS_W** Units: **mg/L** Prep Date: **8/7/2008** Run ID: **ICPMS-2_080807A**
Client ID: **ZZZZZ** Batch ID: **36777** TestNo: **SW6020** Analysis Date: **8/7/2008** SeqNo: **1195276**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	0.02792	0.040									J
Arsenic	ND	0.0040									
Barium	ND	0.0040									
Cadmium	ND	0.0020									
Chromium	0.00117	0.0040									J
Cobalt	ND	0.0040									
Copper	ND	0.010									
Iron	ND	0.10									
Lead	ND	0.0020									
Magnesium	ND	0.10									
Manganese	ND	0.0040									
Nickel	ND	0.0040									
Selenium	ND	0.0040									
Thallium	ND	0.0020									
Zinc	ND	0.020									

Sample ID: **IMBW1 8/7/08** SampType: **MBLK** TestCode: **M_ICPMS_W** Units: **mg/L** Prep Date: **8/7/2008** Run ID: **ICPMS-2_080807B**
Client ID: **ZZZZZ** Batch ID: **36777** TestNo: **SW6020** Analysis Date: **8/7/2008** SeqNo: **1195428**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	0.0060									
Potassium	0.2297	0.30									J

Sample ID: **IMBW1 8/7/08** SampType: **MBLK** TestCode: **M_ICPMS_W** Units: **mg/L** Prep Date: **8/7/2008** Run ID: **ICPMS-2_080808A**
Client ID: **ZZZZZ** Batch ID: **36777** TestNo: **SW6020** Analysis Date: **8/8/2008** SeqNo: **1196405**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	0.02059	0.040									J
Beryllium	ND	0.0020									
Calcium	ND	0.20									
Silver	ND	0.0040									

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded
B - Analyte detected in the associated Method Blank
E - Value above quantitation range

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060288
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: 36777

Sample ID: **IMBW1 8/7/08** SampType: **MBLK** TestCode: **M_ICPMS_W** Units: **mg/L** Prep Date: **8/7/2008** Run ID: **ICPMS-2_080808A**
Client ID: **ZZZZZ** Batch ID: **36777** TestNo: **SW6020** Analysis Date: **8/8/2008** SeqNo: **1196405**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sodium	0.1076	0.30									J
Vanadium	ND	0.0040									

Sample ID: **ILCSW1 8/7/08** SampType: **LCS** TestCode: **M_ICPMS_W** Units: **mg/L** Prep Date: **8/7/2008** Run ID: **ICPMS-2_080807A**
Client ID: **ZZZZZ** Batch ID: **36777** TestNo: **SW6020** Analysis Date: **8/7/2008** SeqNo: **1195278**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	0.5622	0.040	0.5	0.02792	107	80	120	0	0		
Arsenic	0.5008	0.0040	0.5	0	100	80	120	0	0		
Barium	0.494	0.0040	0.5	0	98.8	80	120	0	0		
Cadmium	0.4881	0.0020	0.5	0	97.6	80	120	0	0		
Chromium	0.5202	0.0040	0.5	0.00117	104	80	120	0	0		
Cobalt	0.5191	0.0040	0.5	0	104	80	120	0	0		
Copper	0.5157	0.010	0.5	0	103	80	120	0	0		
Iron	2.17	0.10	2	0	108	80	120	0	0		
Lead	0.4653	0.0020	0.5	0	93.1	80	120	0	0		
Magnesium	2.215	0.10	2	0	111	80	120	0	0		
Manganese	0.5153	0.0040	0.5	0	103	80	120	0	0		
Nickel	0.5244	0.0040	0.5	0	105	80	120	0	0		
Selenium	0.5151	0.0040	0.5	0	103	80	120	0	0		
Thallium	0.4652	0.0020	0.5	0	93	80	120	0	0		
Zinc	0.5018	0.020	0.5	0	100	80	120	0	0		

Sample ID: **ILCSW1 8/7/08** SampType: **LCS** TestCode: **M_ICPMS_W** Units: **mg/L** Prep Date: **8/7/2008** Run ID: **ICPMS-2_080807B**
Client ID: **ZZZZZ** Batch ID: **36777** TestNo: **SW6020** Analysis Date: **8/7/2008** SeqNo: **1195429**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.3692	0.0060	0.25	0	148	80	120	0	0		S
Potassium	1.999	0.30	2	0.2297	88.5	80	120	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded
B - Analyte detected in the associated Method Blank
E - Value above quantitation range

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060288
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: 36777

Sample ID: **ILCSW1 8/7/08** SampType: **LCS** TestCode: **M_ICPMS_W** Units: **mg/L** Prep Date: **8/7/2008** Run ID: **ICPMS-2_080808A**
Client ID: **ZZZZZ** Batch ID: **36777** TestNo: **SW6020** Analysis Date: **8/8/2008** SeqNo: **1196413**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	0.5641	0.040	0.5	0.02059	109	80	120	0	0		
Beryllium	0.4489	0.0020	0.5	0	89.8	80	120	0	0		
Calcium	2.228	0.20	2	0	111	80	120	0	0		
Silver	0.2164	0.0040	0.2	0	108	80	120	0	0		
Sodium	2.301	0.30	2	0.1076	110	80	120	0	0		
Vanadium	0.515	0.0040	0.5	0	103	80	120	0	0		

Sample ID: **08060288-012AMS** SampType: **MS** TestCode: **M_ICPMS_W** Units: **mg/L** Prep Date: **8/7/2008** Run ID: **ICPMS-2_080807A**
Client ID: **G163** Batch ID: **36777** TestNo: **SW6020** Analysis Date: **8/7/2008** SeqNo: **1195324**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.4941	0.0040	0.5	0	98.8	75	125	0	0		
Barium	0.7019	0.0040	0.5	0.2193	96.5	75	125	0	0		
Cadmium	0.4495	0.0020	0.5	0	89.9	75	125	0	0		
Chromium	0.5081	0.0040	0.5	0.00594	100	75	125	0	0		
Cobalt	0.4936	0.0040	0.5	0.00039	98.6	75	125	0	0		
Copper	0.4865	0.010	0.5	0.0042	96.5	75	125	0	0		
Iron	9.999	0.10	2	7.66	117	75	125	0	0		
Lead	0.5066	0.0020	0.5	0	101	75	125	0	0		
Magnesium	86.43	0.10	2	81.72	236	75	125	0	0		S
Manganese	0.62	0.0040	0.5	0.1262	98.8	75	125	0	0		
Nickel	0.5021	0.0040	0.5	0.00976	98.5	75	125	0	0		
Selenium	0.4809	0.0040	0.5	0	96.2	75	125	0	0		
Thallium	0.5106	0.0020	0.5	0.00028	102	75	125	0	0		
Zinc	0.4831	0.020	0.5	0.02598	91.4	75	125	0	0		

Sample ID: **08060288-012AMS** SampType: **MS** TestCode: **M_ICPMS_W** Units: **mg/L** Prep Date: **8/7/2008** Run ID: **ICPMS-2_080807B**
Client ID: **G163** Batch ID: **36777** TestNo: **SW6020** Analysis Date: **8/7/2008** SeqNo: **1195431**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.3675	0.0060	0.25	0	147	75	125	0	0		S

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded
B - Analyte detected in the associated Method Blank
E - Value above quantitation range

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060288
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: 36777

Sample ID: **08060288-012AMS** SampType: **MS** TestCode: **M_ICPMS_W** Units: **mg/L** Prep Date: **8/7/2008** Run ID: **ICPMS-2_080807B**
Client ID: **G163** Batch ID: **36777** TestNo: **SW6020** Analysis Date: **8/7/2008** SeqNo: **1195431**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Potassium	4.551	0.30	2	2.591	98	75	125	0	0		

Sample ID: **08060288-012AMS** SampType: **MS** TestCode: **M_ICPMS_W** Units: **mg/L** Prep Date: **8/7/2008** Run ID: **ICPMS-2_080808A**
Client ID: **G163** Batch ID: **36777** TestNo: **SW6020** Analysis Date: **8/8/2008** SeqNo: **1196407**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	1.453	0.040	0.5	0.9614	98.3	75	125	0	0		
Beryllium	0.4897	0.0020	0.5	0	97.9	75	125	0	0		
Calcium	154.5	0.20	2	149.3	260	75	125	0	0		S
Silver	0.2089	0.0040	0.2	0.00116	104	75	125	0	0		
Sodium	91.04	0.30	2	86.95	204	75	125	0	0		S
Vanadium	0.5335	0.0040	0.5	0.00227	106	75	125	0	0		

Sample ID: **08060288-012AMSD** SampType: **MSD** TestCode: **M_ICPMS_W** Units: **mg/L** Prep Date: **8/7/2008** Run ID: **ICPMS-2_080807A**
Client ID: **G163** Batch ID: **36777** TestNo: **SW6020** Analysis Date: **8/7/2008** SeqNo: **1195325**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.5033	0.0040	0.5	0	101	75	125	0.4941	1.84	20	
Barium	0.7451	0.0040	0.5	0.2193	105	75	125	0.7019	5.97	20	
Cadmium	0.4798	0.0020	0.5	0	96	75	125	0.4495	6.52	20	
Chromium	0.5147	0.0040	0.5	0.00594	102	75	125	0.5081	1.29	20	
Cobalt	0.5119	0.0040	0.5	0.00039	102	75	125	0.4936	3.64	20	
Copper	0.4954	0.010	0.5	0.0042	98.2	75	125	0.4865	1.81	20	
Iron	9.967	0.10	2	7.66	115	75	125	9.999	0.321	20	
Lead	0.5195	0.0020	0.5	0	104	75	125	0.5066	2.51	20	
Magnesium	86.65	0.10	2	81.72	246	75	125	86.43	0.254	20	S
Manganese	0.625	0.0040	0.5	0.1262	99.8	75	125	0.62	0.803	20	
Nickel	0.5161	0.0040	0.5	0.00976	101	75	125	0.5021	2.75	20	
Selenium	0.5018	0.0040	0.5	0	100	75	125	0.4809	4.25	20	
Thallium	0.5233	0.0020	0.5	0.00028	105	75	125	0.5106	2.46	20	
Zinc	0.4949	0.020	0.5	0.02598	93.8	75	125	0.4831	2.41	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded
B - Analyte detected in the associated Method Blank
E - Value above quantitation range

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060288
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: 36777

Sample ID: **08060288-012AMSD** SampType: **MSD** TestCode: **M_ICPMS_W** Units: **mg/L** Prep Date: **8/7/2008** Run ID: **ICPMS-2_080807B**
Client ID: **G163** Batch ID: **36777** TestNo: **SW6020** Analysis Date: **8/7/2008** SeqNo: **1195432**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.3759	0.0060	0.25	0	150	75	125	0.3675	2.26	20	S
Potassium	4.572	0.30	2	2.591	99	75	125	4.551	0.460	20	

Sample ID: **08060288-012AMSD** SampType: **MSD** TestCode: **M_ICPMS_W** Units: **mg/L** Prep Date: **8/7/2008** Run ID: **ICPMS-2_080808A**
Client ID: **G163** Batch ID: **36777** TestNo: **SW6020** Analysis Date: **8/8/2008** SeqNo: **1196408**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	1.421	0.040	0.5	0.9614	91.9	75	125	1.453	2.23	20	
Beryllium	0.4824	0.0020	0.5	0	96.5	75	125	0.4897	1.50	20	
Calcium	152.6	0.20	2	149.3	165	75	125	154.5	1.24	20	S
Silver	0.2091	0.0040	0.2	0.00116	104	75	125	0.2089	0.0957	20	
Sodium	90.35	0.30	2	86.95	170	75	125	91.04	0.761	20	S
Vanadium	0.5306	0.0040	0.5	0.00227	106	75	125	0.5335	0.545	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded
B - Analyte detected in the associated Method Blank
E - Value above quantitation range

STAT Analysis Corporation

PREP BATCH REPORT

Prep Start Date: **6/11/2008 3:10:00 P**
Prep End Date: **6/11/2008 5:10:00 P**

Prep Factor Units: **mL / mL**

Prep Batch **35640** Prep Code: **M_HG_W_PRE** Technician: **VA**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
HGMBW1 6/11/08			30	0	0	30	1.000	6/11/2008	6/11/2008
HGLCSW1 6/11/08			30	0	0	30	1.000	6/11/2008	6/11/2008
08060361-001C	Water		30	0	0	30	1.000	6/11/2008	6/11/2008
08060361-002C	Water		30	0	0	30	1.000	6/11/2008	6/11/2008
08060361-003C	Water		30	0	0	30	1.000	6/11/2008	6/11/2008
08060362-014A	Water		30	0	0	30	1.000	6/11/2008	6/11/2008
08060343-001C	Water		30	0	0	30	1.000	6/11/2008	6/11/2008
08060264-005C	Water		30	0	0	30	1.000	6/11/2008	6/11/2008
08060264-006C	Water		30	0	0	30	1.000	6/11/2008	6/11/2008
08060264-007C	Water		30	0	0	30	1.000	6/11/2008	6/11/2008
08060264-008C	Water		30	0	0	30	1.000	6/11/2008	6/11/2008
08060333-001A	Water		30	0	0	30	1.000	6/11/2008	6/11/2008
08060333-003A	Water		30	0	0	30	1.000	6/11/2008	6/11/2008
08060288-011A	Water		30	0	0	30	1.000	6/11/2008	6/11/2008
08060288-013A	Water		30	0	0	30	1.000	6/11/2008	6/11/2008
08060288-014A	Water		30	0	0	30	1.000	6/11/2008	6/11/2008
HGMBTCLP1 6/9/08			30	0	0	30	1.000	6/11/2008	6/11/2008
08060258-001A	Solid		30	0	0	30	1.000	6/11/2008	6/11/2008
08060285-001B	Soil		30	0	0	30	1.000	6/11/2008	6/11/2008
08060285-002B	Soil		30	0	0	30	1.000	6/11/2008	6/11/2008
08060285-003B	Soil		30	0	0	30	1.000	6/11/2008	6/11/2008
08060285-004B	Soil		30	0	0	30	1.000	6/11/2008	6/11/2008
08060285-004BMS	Soil		30	0	0	30	1.000	6/11/2008	6/11/2008
08060285-004BMSD	Soil		30	0	0	30	1.000	6/11/2008	6/11/2008
HGMBTCLP1 6/10/08			30	0	0	30	1.000	6/11/2008	6/11/2008

STAT Analysis Corporation

PREP BATCH REPORT

Prep Start Date: **6/11/2008 3:10:00 P**
Prep End Date: **6/11/2008 5:10:00 P**

Prep Factor Units: **mL / mL**

Prep Batch **35640** Prep Code: **M_HG_W_PRE** Technician: **VA**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
08060330-001A	Soil		30	0	0	30	1.000	6/11/2008	6/11/2008
08060330-001AMS	Soil		30	0	0	30	1.000	6/11/2008	6/11/2008

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060288
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: 35640

Sample ID: **08060285-004BMS** SampType: **MS** TestCode: **M_1311_HG** Units: **mg/L** Prep Date: **6/11/2008** Run ID: **CETAC_080612A**
Client ID: **ZZZZZ** Batch ID: **35640** TestNo: **SW1311/7470** Analysis Date: **6/12/2008** SeqNo: **1151513**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00262	0.00025	0.0025	0	105	75	125	0	0		

Sample ID: **08060285-004BMSD** SampType: **MSD** TestCode: **M_1311_HG** Units: **mg/L** Prep Date: **6/11/2008** Run ID: **CETAC_080612A**
Client ID: **ZZZZZ** Batch ID: **35640** TestNo: **SW1311/7470** Analysis Date: **6/12/2008** SeqNo: **1151514**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00262	0.00025	0.0025	0	105	75	125	0.00262	0	20	

Sample ID: **HGMBW1 6/11/08** SampType: **MBLK** TestCode: **M_HG_WATE** Units: **mg/L** Prep Date: **6/11/2008** Run ID: **CETAC_080612A**
Client ID: **ZZZZZ** Batch ID: **35640** TestNo: **SW7470A** Analysis Date: **6/12/2008** SeqNo: **1151463**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00003	0.00025									J

Sample ID: **HGLCSW1 6/11/08** SampType: **LCS** TestCode: **M_HG_WATE** Units: **mg/L** Prep Date: **6/11/2008** Run ID: **CETAC_080612A**
Client ID: **ZZZZZ** Batch ID: **35640** TestNo: **SW7470A** Analysis Date: **6/12/2008** SeqNo: **1151464**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00242	0.00025	0.0025	0.00003	95.6	80	120	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded
B - Analyte detected in the associated Method Blank
E - Value above quantitation range

STAT Analysis Corporation

PREP BATCH REPORT

Prep Start Date: **6/16/2008 1:10:00 P**
Prep End Date: **6/16/2008 2:10:00 P**

Prep Batch **35717** Prep Code: **M_HG_S_PRE** Technician: **VA**

Prep Factor Units: **mL / g**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
HGMBS1 6/16/08			0.3	0	0	30	100.000	6/16/2008	6/16/2008
HGLCSS1 6/16/08			0.3	0	0	30	100.000	6/16/2008	6/16/2008
08060288-001A	Soil		0.305	0	0	30	98.361	6/16/2008	6/16/2008
08060288-002A	Soil		0.324	0	0	30	92.593	6/16/2008	6/16/2008
08060288-003A	Soil		0.317	0	0	30	94.637	6/16/2008	6/16/2008
08060288-004A	Soil		0.306	0	0	30	98.039	6/16/2008	6/16/2008
08060288-005A	Soil		0.322	0	0	30	93.168	6/16/2008	6/16/2008
08060288-006A	Soil		0.314	0	0	30	95.541	6/16/2008	6/16/2008
08060288-008A	Soil		0.307	0	0	30	97.720	6/16/2008	6/16/2008
08060288-008AMS	Soil		0.315	0	0	30	95.238	6/16/2008	6/16/2008
08060288-008AMSD	Soil		0.314	0	0	30	95.541	6/16/2008	6/16/2008
08060288-009A	Soil		0.322	0	0	30	93.168	6/16/2008	6/16/2008
08060288-010A	Soil		0.32	0	0	30	93.750	6/16/2008	6/16/2008
08060288-015A	Soil		0.302	0	0	30	99.338	6/16/2008	6/16/2008
08060288-016A	Soil		0.305	0	0	30	98.361	6/16/2008	6/16/2008
08060417-001B	Soil		0.32	0	0	30	93.750	6/16/2008	6/16/2008
08060432-001B	Soil		0.314	0	0	30	95.541	6/16/2008	6/16/2008
08060463-001A	Solid		0.31	0	0	30	96.774	6/16/2008	6/16/2008
08060419-001A	Soil		0.313	0	0	30	95.847	6/16/2008	6/16/2008
08060419-002A	Soil		0.316	0	0	30	94.937	6/16/2008	6/16/2008
08060420-001A	Soil		0.312	0	0	30	96.154	6/16/2008	6/16/2008
08060420-002A	Soil		0.313	0	0	30	95.847	6/16/2008	6/16/2008
08050793-001A	Soil		0.312	0	0	30	96.154	6/16/2008	6/16/2008
08050793-001A1	Soil		0.315	0	0	30	95.238	6/16/2008	6/16/2008

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060288
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: 35717

Sample ID: **HGMBS1 6/16/08** SampType: **MBLK** TestCode: **M_HG_SOLID** Units: **mg/Kg** Prep Date: **6/16/2008** Run ID: **CETAC_080616B**
Client ID: **ZZZZZ** Batch ID: **35717** TestNo: **SW7471A** Analysis Date: **6/16/2008** SeqNo: **1153427**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.002	0.025									J

Sample ID: **HGLCSS1 6/16/08** SampType: **LCS** TestCode: **M_HG_SOLID** Units: **mg/Kg** Prep Date: **6/16/2008** Run ID: **CETAC_080616B**
Client ID: **ZZZZZ** Batch ID: **35717** TestNo: **SW7471A** Analysis Date: **6/16/2008** SeqNo: **1153428**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.24	0.025	0.25	0.002	95.2	80	120	0	0		

Sample ID: **08060288-008AMS** SampType: **MS** TestCode: **M_HG_SOLID** Units: **mg/Kg-dry** Prep Date: **6/16/2008** Run ID: **CETAC_080616B**
Client ID: **X118** Batch ID: **35717** TestNo: **SW7471A** Analysis Date: **6/16/2008** SeqNo: **1153443**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.312	0.029	0.2943	0.04348	91.2	75	125	0	0		

Sample ID: **08060288-008AMSD** SampType: **MSD** TestCode: **M_HG_SOLID** Units: **mg/Kg-dry** Prep Date: **6/16/2008** Run ID: **CETAC_080616B**
Client ID: **X118** Batch ID: **35717** TestNo: **SW7471A** Analysis Date: **6/16/2008** SeqNo: **1153446**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.3165	0.030	0.2952	0.04348	92.5	75	125	0.312	1.44	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded
B - Analyte detected in the associated Method Blank
E - Value above quantitation range

STAT Analysis Corporation

PREP BATCH REPORT

Prep Start Date: **6/10/2008 6:00:00 P**
Prep End Date: **6/11/2008 7:45:00 P**

Prep Batch **35615** Prep Code: **TCNPREP_S** Technician: **KB**

Prep Factor Units: **mL / g**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
TCNMBS1 061008			1	0	0	50	50.000	6/10/2008	6/10/2008
TCNLCSS1 061008			1	0	0	50	50.000	6/10/2008	6/10/2008
08060288-001A	Soil		1	0	0	50	50.000	6/10/2008	6/10/2008
08060288-002A	Soil		1	0	0	50	50.000	6/10/2008	6/10/2008
08060288-003A	Soil		1	0	0	50	50.000	6/10/2008	6/10/2008
08060288-004A	Soil		1	0	0	50	50.000	6/10/2008	6/10/2008
08060288-005A	Soil		1	0	0	50	50.000	6/10/2008	6/10/2008
08060288-006A	Soil		1	0	0	50	50.000	6/10/2008	6/10/2008
08060288-008A	Soil		1	0	0	50	50.000	6/10/2008	6/10/2008
08060288-008AMS	Soil		1	0	0	50	50.000	6/10/2008	6/10/2008
08060288-008AMSD	Soil		1	0	0	50	50.000	6/10/2008	6/10/2008
08060288-009A	Soil		1	0	0	50	50.000	6/10/2008	6/10/2008
08060288-010A	Soil		1	0	0	50	50.000	6/10/2008	6/10/2008
08060288-015A	Soil		1	0	0	50	50.000	6/10/2008	6/10/2008
08060288-016A	Soil		1	0	0	50	50.000	6/10/2008	6/10/2008
08060333-002A	Soil		1	0	0	50	50.000	6/10/2008	6/10/2008
08060358-001A	Soil		1	0	0	50	50.000	6/11/2008	6/11/2008

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060288
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: 35615

Sample ID: TCNMBS1 061008	SampType: MBLK	TestCode: CN_TS	Units: mg/Kg	Prep Date: 6/10/2008	Run ID: LACHAT_080611A
Client ID: ZZZZZ	Batch ID: 35615	TestNo: SW9012A		Analysis Date: 6/11/2008	SeqNo: 1151017

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	ND	0.25									

Sample ID: TCNLCSS1 061008	SampType: LCS	TestCode: CN_TS	Units: mg/Kg	Prep Date: 6/10/2008	Run ID: LACHAT_080611A
Client ID: ZZZZZ	Batch ID: 35615	TestNo: SW9012A		Analysis Date: 6/11/2008	SeqNo: 1151018

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	10.35	0.25	10	0	104	90	110	0	0		

Sample ID: 08060288-008AMS	SampType: MS	TestCode: CN_TS	Units: mg/Kg-dry	Prep Date: 6/10/2008	Run ID: LACHAT_080611A
Client ID: X118	Batch ID: 35615	TestNo: SW9012A		Analysis Date: 6/11/2008	SeqNo: 1151020

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	12.37	0.31	12.36	0	100	75	125	0	0		

Sample ID: 08060288-008AMSD	SampType: MSD	TestCode: CN_TS	Units: mg/Kg-dry	Prep Date: 6/10/2008	Run ID: LACHAT_080611A
Client ID: X118	Batch ID: 35615	TestNo: SW9012A		Analysis Date: 6/11/2008	SeqNo: 1151022

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	11.93	0.31	12.36	0	96.5	75	125	12.37	3.62	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded
B - Analyte detected in the associated Method Blank
E - Value above quantitation range

STAT Analysis Corporation

PREP BATCH REPORT

Prep Start Date: **6/11/2008 6:00:00 P**
Prep End Date: **6/11/2008 7:45:00 P**

Prep Factor Units: **mL / mL**

Prep Batch **35647** Prep Code: **TCNPREP_W** Technician: **KB**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
TCNMBW1 061108			50	0	0	50	1.000	6/11/2008	6/11/2008
TCNLCSW1 061108			50	0	0	50	1.000	6/11/2008	6/11/2008
08060343-001DMS	Water		50	0	0	50	1.000	6/11/2008	6/11/2008
08060343-001DMSD	Water		50	0	0	50	1.000	6/11/2008	6/11/2008
08060288-011B	Water		50	0	0	50	1.000	6/11/2008	6/11/2008
08060288-013B	Water		50	0	0	50	1.000	6/11/2008	6/11/2008
08060288-014B	Water		50	0	0	50	1.000	6/11/2008	6/11/2008
08060333-001B	Water		50	0	0	50	1.000	6/11/2008	6/11/2008
08060333-003B	Water		50	0	0	50	1.000	6/11/2008	6/11/2008
08060343-001D	Water		50	0	0	50	1.000	6/11/2008	6/11/2008
08060361-001D	Water		50	0	0	50	1.000	6/11/2008	6/11/2008
08060361-002D	Water		50	0	0	50	1.000	6/11/2008	6/11/2008
08060361-003D	Water		50	0	0	50	1.000	6/11/2008	6/11/2008

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060288
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: 35647

Sample ID: **TCNMBW1 061108** SampType: **MBLK** TestCode: **CN_TW** Units: **mg/L** Prep Date: **6/11/2008** Run ID: **LACHAT_080611A**
Client ID: **ZZZZZ** Batch ID: **35647** TestNo: **SW9012A** Analysis Date: **6/11/2008** SeqNo: **1151059**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	ND	0.0050									

Sample ID: **TCNLCSW1 061108** SampType: **LCS** TestCode: **CN_TW** Units: **mg/L** Prep Date: **6/11/2008** Run ID: **LACHAT_080611A**
Client ID: **ZZZZZ** Batch ID: **35647** TestNo: **SW9012A** Analysis Date: **6/11/2008** SeqNo: **1151060**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.1949	0.0050	0.2	0	97.5	90	110	0	0		

Sample ID: **08060343-001DMS** SampType: **MS** TestCode: **CN_TW** Units: **mg/L** Prep Date: **6/11/2008** Run ID: **LACHAT_080611A**
Client ID: **ZZZZZ** Batch ID: **35647** TestNo: **SW9012A** Analysis Date: **6/11/2008** SeqNo: **1151062**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.205	0.0050	0.2	0.003246	101	75	125	0	0		

Sample ID: **08060343-001DMSD** SampType: **MSD** TestCode: **CN_TW** Units: **mg/L** Prep Date: **6/11/2008** Run ID: **LACHAT_080611A**
Client ID: **ZZZZZ** Batch ID: **35647** TestNo: **SW9012A** Analysis Date: **6/11/2008** SeqNo: **1151063**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.1984	0.0050	0.2	0.003246	97.6	75	125	0.205	3.26	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded
B - Analyte detected in the associated Method Blank
E - Value above quantitation range

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060288
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: R45368

Sample ID: **FOC MBLK 6/11/08** SampType: **MBLK** TestCode: **FOC_S** Units: **wt%** Prep Date: **6/11/2008** Run ID: **BALANCE_080611C**
Client ID: **ZZZZZ** Batch ID: **R45368** TestNo: **D2974** Analysis Date: **6/12/2008** SeqNo: **1151950**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Organic Carbon Content	ND	0.0100									*

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded
B - Analyte detected in the associated Method Blank
E - Value above quantitation range

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060288
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: R45327

Sample ID: **PMMBK2 6/10/08** SampType: **MBLK** TestCode: **PMOIST** Units: **wt%** Prep Date: **6/10/2008** Run ID: **BALANCE_080610B**
Client ID: ZZZZZ Batch ID: **R45327** TestNo: **D2974** Analysis Date: **6/11/2008** SeqNo: **1150475**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	ND	0.0100									*

Sample ID: **PMLCS-S2 6/10/08** SampType: **LCS** TestCode: **PMOIST** Units: **wt%** Prep Date: **6/10/2008** Run ID: **BALANCE_080610B**
Client ID: ZZZZZ Batch ID: **R45327** TestNo: **D2974** Analysis Date: **6/11/2008** SeqNo: **1150476**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	5.2	0.0100	5	0	104	80	120	0	0		*

Sample ID: **PMLCS-W2 6/10/08** SampType: **LCS** TestCode: **PMOIST** Units: **wt%** Prep Date: **6/10/2008** Run ID: **BALANCE_080610B**
Client ID: ZZZZZ Batch ID: **R45327** TestNo: **D2974** Analysis Date: **6/11/2008** SeqNo: **1150477**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	99.83	0.0100	99.8	0	100	80	120	0	0		*

Sample ID: **08060331-001B DUP** SampType: **DUP** TestCode: **PMOIST** Units: **wt%** Prep Date: **6/10/2008** Run ID: **BALANCE_080610B**
Client ID: ZZZZZ Batch ID: **R45327** TestNo: **D2974** Analysis Date: **6/11/2008** SeqNo: **1150479**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	15.87	0.0100	0	0	0	0	0	15.07	5.17	20	*

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded
B - Analyte detected in the associated Method Blank
E - Value above quantitation range

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060288
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: R45359

Sample ID: **PMMBK2 6/11/08** SampType: **MBLK** TestCode: **PMOIST** Units: **wt%** Prep Date: **6/11/2008** Run ID: **BALANCE_080611B**
Client ID: **ZZZZZ** Batch ID: **R45359** TestNo: **D2974** Analysis Date: **6/12/2008** SeqNo: **1151400**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	ND	0.0100									*

Sample ID: **PMLCS-S2 6/11/08** SampType: **LCS** TestCode: **PMOIST** Units: **wt%** Prep Date: **6/11/2008** Run ID: **BALANCE_080611B**
Client ID: **ZZZZZ** Batch ID: **R45359** TestNo: **D2974** Analysis Date: **6/12/2008** SeqNo: **1151402**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	4.7	0.0100	5	0	94	80	120	0	0		*

Sample ID: **PMLCS-W2 6/11/08** SampType: **LCS** TestCode: **PMOIST** Units: **wt%** Prep Date: **6/11/2008** Run ID: **BALANCE_080611B**
Client ID: **ZZZZZ** Batch ID: **R45359** TestNo: **D2974** Analysis Date: **6/12/2008** SeqNo: **1151403**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	99.84	0.0100	99.8	0	100	80	120	0	0		*

Sample ID: **08060393-001A DUP** SampType: **DUP** TestCode: **PMOIST** Units: **wt%** Prep Date: **6/11/2008** Run ID: **BALANCE_080611B**
Client ID: **ZZZZZ** Batch ID: **R45359** TestNo: **D2974** Analysis Date: **6/12/2008** SeqNo: **1151405**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	25.88	0.0100	0	0	0	0	0	26.08	0.770	20	*

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded
B - Analyte detected in the associated Method Blank
E - Value above quantitation range

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060288
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: R45310

Sample ID: 08060288-008A DUP	SampType: DUP	TestCode: PH_S	Units: pH Units	Prep Date: 6/10/2008	Run ID: PH_080610B
Client ID: X118	Batch ID: R45310	TestNo: SW9045C		Analysis Date: 6/10/2008	SeqNo: 1150120

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	7.88	0	0	0	0	0	0	7.88	0	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded
B - Analyte detected in the associated Method Blank
E - Value above quantitation range

STAT Analysis Corporation
2242 West Harrison St., Suite 200, Chicago, IL 60612-3766
Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com
Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001;AIHA 101160; NVLAP LabCode 101202-

July 21, 2008

Illinois Environmental Protection Agency
1021 North Grand Avenue East
P.O. Box 19276
Springfield, IL 62794-9276
Telephone: (217) 524-1657
Fax: (217) 557-1165

RE: PR50, 0971255020, North Chicago STAT Project No 08060333

Dear Jim Salch:

STAT Analysis received 3 samples for the referenced project on 6/10/2008 11:00:00 AM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. 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 when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

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

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory.

STAT Analysis Corporation

Date: July 21, 2008

Client: Illinois Environmental Protection Agency
Project: PR50, 0971255020, North Chicago
Lab Order: 08060333

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
08060333-001A	Field Blank		6/6/2008 11:15:00 AM	6/10/2008
08060333-001B	Field Blank		6/6/2008 11:15:00 AM	6/10/2008
08060333-002A	X122		6/6/2008 10:20:00 AM	6/10/2008
08060333-003A	G106		6/6/2008 11:30:00 AM	6/10/2008
08060333-003B	G106		6/6/2008 11:30:00 AM	6/10/2008

CLIENT: Illinois Environmental Protection Agency
Project: PR50, 0971255020, North Chicago
Lab Order: 08060333

CASE NARRATIVE

The metals LCS (preparation batch 35623) had recovery outside of control limits for Antimony (181% recovery, QC Limits 80-120%). Antimony was not detected in the associated samples.

The metals LCS (preparation batch 35625) had recovery outside of control limits for Antimony (170% recovery, QC Limits 80-120%). Antimony was not detected in the associated samples.

The metals MS/MSD prepared from sample Field Blank (08060333-001A) had Antimony recovery outside control limits (170%/171% (MS/MSD) recovery, QC limits 75-125%).

STAT Analysis Corporation
2242 West Harrison St., Suite 200, Chicago, IL 60612-3766
Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com
Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Reported: July 21, 2008
Date Printed: July 21, 2008

Client: Illinois Environmental Protection Agency
Lab Order: 08060333
Project: PR50, 0971255020, North Chicago
Lab ID: 08060333-001

Client Sample ID: Field Blank
Collection Date: 6/6/2008 11:15:00 AM
Matrix: Water

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	**SW7470A**			Prep Date: **6/11/2008**		Analyst: **VA**
Mercury	ND	0.00025		mg/L	1	6/12/2008
Metals by ICP/MS	**SW6020 (SW3005A)**			Prep Date: **6/11/2008**		Analyst: **JG**
Aluminum	ND	0.04		mg/L	2	6/11/2008
Antimony	ND	0.006		mg/L	2	6/11/2008
Arsenic	ND	0.004		mg/L	2	6/11/2008
Barium	ND	0.004		mg/L	2	6/11/2008
Beryllium	ND	0.002		mg/L	2	6/11/2008
Cadmium	ND	0.002		mg/L	2	6/11/2008
Calcium	ND	0.2		mg/L	2	6/11/2008
Chromium	ND	0.004		mg/L	2	6/11/2008
Cobalt	ND	0.004		mg/L	2	6/11/2008
Copper	ND	0.01		mg/L	2	6/11/2008
Iron	ND	0.1		mg/L	2	6/11/2008
Lead	ND	0.002		mg/L	2	6/11/2008
Magnesium	ND	0.1		mg/L	2	6/11/2008
Manganese	ND	0.004		mg/L	2	6/11/2008
Nickel	ND	0.004		mg/L	2	6/11/2008
Potassium	ND	0.1		mg/L	2	6/11/2008
Selenium	ND	0.004		mg/L	2	6/11/2008
Silver	ND	0.004		mg/L	2	6/11/2008
Sodium	0.45	0.1		mg/L	2	6/11/2008
Thallium	ND	0.004		mg/L	2	6/11/2008
Vanadium	ND	0.004		mg/L	2	6/11/2008
Zinc	ND	0.04		mg/L	2	6/11/2008
Cyanide, Total	**SW9012A**			Prep Date: **6/11/2008**		Analyst: **KB**
Cyanide	ND	0.005		mg/L	1	6/11/2008

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
HT - Sample received past holding time
* - Non-accredited parameter
RL - Reporting / Quantitation Limit for the analysis
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H - Holding time exceeded

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Date Reported: July 21, 2008
Date Printed: July 21, 2008

Client: Illinois Environmental Protection Agency
Lab Order: 08060333
Project: PR50, 0971255020, North Chicago
Lab ID: 08060333-002

Client Sample ID: X122
Collection Date: 6/6/2008 10:20:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	**SW7471A**			Prep Date: **6/23/2008**		Analyst: **VA**
Mercury	0.37	0.028		mg/Kg-dry	1	6/23/2008
Metals by ICP/MS	**SW6020 (SW3050B)**			Prep Date: **6/11/2008**		Analyst: **JG**
Aluminum	5900	200		mg/Kg-dry	100	6/11/2008
Antimony	ND	2		mg/Kg-dry	10	6/11/2008
Arsenic	17	1		mg/Kg-dry	10	6/11/2008
Barium	97	1		mg/Kg-dry	10	6/11/2008
Beryllium	ND	0.5		mg/Kg-dry	10	6/11/2008
Cadmium	0.66	0.5		mg/Kg-dry	10	6/11/2008
Calcium	48000	61		mg/Kg-dry	10	6/11/2008
Chromium	49	1		mg/Kg-dry	10	6/11/2008
Cobalt	69	1		mg/Kg-dry	10	6/11/2008
Copper	76	2.5		mg/Kg-dry	10	6/11/2008
Iron	28000	30		mg/Kg-dry	10	6/11/2008
Lead	160	0.5		mg/Kg-dry	10	6/11/2008
Magnesium	23000	30		mg/Kg-dry	10	6/11/2008
Manganese	680	1		mg/Kg-dry	10	6/11/2008
Nickel	22	1		mg/Kg-dry	10	6/11/2008
Potassium	830	30		mg/Kg-dry	10	6/11/2008
Selenium	ND	1		mg/Kg-dry	10	6/11/2008
Silver	ND	1		mg/Kg-dry	10	6/11/2008
Sodium	120	61		mg/Kg-dry	10	6/11/2008
Thallium	ND	1		mg/Kg-dry	10	6/11/2008
Vanadium	29	1		mg/Kg-dry	10	6/11/2008
Zinc	250	5		mg/Kg-dry	10	6/11/2008
Cyanide, Total	**SW9012A**			Prep Date: **6/10/2008**		Analyst: **KB**
Cyanide	ND	0.29		mg/Kg-dry	1	6/11/2008
pH (25 °C)	**SW9045C**			Prep Date: **6/11/2008**		Analyst: **FD**
pH	8.5			pH Units	1	6/11/2008
Percent Moisture	**D2974**			Prep Date: **6/10/2008**		Analyst: **RW**
Percent Moisture	14.9	0.01	*	wt%	1	6/11/2008

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Date Reported: July 21, 2008
Date Printed: July 21, 2008

Client: Illinois Environmental Protection Agency
Lab Order: 08060333
Project: PR50, 0971255020, North Chicago
Lab ID: 08060333-003

Client Sample ID: G106
Collection Date: 6/6/2008 11:30:00 AM
Matrix: Water

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	**SW7470A**			Prep Date: **6/11/2008**		Analyst: **VA**
Mercury	ND	0.00025		mg/L	1	6/12/2008
Metals by ICP/MS	**SW6020 (SW3005A)**			Prep Date: **6/11/2008**		Analyst: **JG**
Aluminum	0.54	0.04		mg/L	2	6/11/2008
Antimony	ND	0.006		mg/L	2	6/11/2008
Arsenic	0.018	0.004		mg/L	2	6/11/2008
Barium	0.74	0.004		mg/L	2	6/11/2008
Beryllium	ND	0.002		mg/L	2	6/11/2008
Cadmium	ND	0.002		mg/L	2	6/11/2008
Calcium	170	0.2		mg/L	2	6/11/2008
Chromium	ND	0.004		mg/L	2	6/11/2008
Cobalt	ND	0.004		mg/L	2	6/11/2008
Copper	ND	0.01		mg/L	2	6/11/2008
Iron	16	0.1		mg/L	2	6/11/2008
Lead	0.005	0.002		mg/L	2	6/11/2008
Magnesium	28	0.1		mg/L	2	6/11/2008
Manganese	0.085	0.004		mg/L	2	6/11/2008
Nickel	0.0066	0.004		mg/L	2	6/11/2008
Potassium	21	0.1		mg/L	2	6/11/2008
Selenium	ND	0.004		mg/L	2	6/11/2008
Silver	ND	0.004		mg/L	2	6/11/2008
Sodium	130	0.1		mg/L	2	6/11/2008
Thallium	ND	0.004		mg/L	2	6/11/2008
Vanadium	ND	0.004		mg/L	2	6/11/2008
Zinc	ND	0.04		mg/L	2	6/11/2008
Cyanide, Total	**SW9012A**			Prep Date: **6/11/2008**		Analyst: **KB**
Cyanide	ND	0.005		mg/L	1	6/11/2008

Qualifiers:
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HT - Sample received past holding time
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R - RPD outside accepted recovery limits
E - Value above quantitation range
H - Holding time exceeded

Illinois Environmental Protection Agency Chain of Custody

Preservative Codes	Container Description: Soil	Container Description: Aqueous
1. None	VOC - 2 oz. glass (2)	VOC - 40 mL glass (3)
2. VOA - HCl	SVOC - 8 oz glass (1)	SVOC, Pest/PCB - 40 oz amber glass (1)*
3. Metals - HNO3	Pest/PCB - 8 oz. glass (1)	Inorganics - 1 qt plastic (1)
4. Cyanide - NaOH	Inorganics - 16 oz. glass (1)	* duplicate 1 out of 10
5. Other		
6. Other		

Fund:	LPC#:	Locality:	Cooler Initially Sealed By:	Date Initially Sealed
PR50	0971255020		[illegible]	5-30-08
Section:	**Site Name:**	**Project Manager:**	**Phone Number:**	**Initial Cooler Seal #**
	North Chicago (a.k.a Chemical Packing)	Jim Salch	217-785-8726	029

Lab Sample No.	Parameter Group: Total Metals	Cyanide	Mercury					Field Sample Number	Matrix	No. of Bottles	Date Collected	Time Collected (24 hr clock)	Sampler's Initials	Special Notations	Legal Hold Y or N
001	X	X	X					Field Blank	water	2	6-6-08	1115	TW		
002	X	X	X					X122	Soil	1	6-6-08	1020	TW		
003	X	X	X					G106	water	2	6-6-08	1130	TW		

Opener: I certify that I received the sample shipping container with the shipping container sealed and intact.

Cooler Opened by:	Seal No:	Date:	Time:	Intact
Tony Wasilewski	029	6-6-08	1100	(Y-N)
				Y-N

Sealer: I certify that the samples listed above were collected in my presence and sealed by me.

Cooler Sealed By:	Seal No.:	Date:	Time:
Tony Wasilewski	036	6-9-08	1000

I certify that I received the cooler containing the above samples with the seal(s) intact.

Received for Lab by:	Seal No:	Date:	Time:	Intact:
[illegible]		6/10/08	1100	(Y)N

Lab Comments: 0.3° 080603

Supervisor Releasing Results: Date:

Sample Courier: UPS

Turnaround Time Requested: 30 days

Samplers: Tony Wasilewski

STAT Analysis Corporation

Sample Receipt Checklist

Client Name IEPA

Date and Time Received: 6/10/2008 11:00:00 AM

Work Order Number 08060333

Received by: CDF

Checklist completed by: [signature] (Signature) 6/10/08 (Date)

Reviewed by: CH (Initials) 6/11/08 (Date)

Matrix:

Carrier name: UPS

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/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 ☐	
Container or Temp Blank temperature in compliance?	Yes ☑	No ☐	Temperature 0.3 °C
Water - VOA vials have zero headspace?	No VOA vials submitted ☑	Yes ☐	No ☐
Water - Samples pH checked?	Yes ☑	No ☐	Checked by: CHM
Water - Samples properly preserved?	Yes ☑	No ☐	pH Adjusted? NO

Any No response must be detailed in the comments section below.

Comments:

Client / Person contacted: Date contacted: Contacted by:

Response:

STAT Analysis Corporation

PREP BATCH REPORT

Prep Start Date: **6/12/2008 9:00:00 A**
Prep End Date: **6/12/2008 12:30:00**

Prep Batch **35623** Prep Code: **M_S_PREP** Technician: **PN**

Prep Factor Units: **mL / g**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
IMBS1 6/11/08			1	0	0	50	50.000	6/11/2008	6/11/2008
ILCSS1 6/11/08			1	0	0	50	50.000	6/11/2008	6/11/2008
08060288-001A	Soil		1.053	0	0	50	47.483	6/11/2008	6/11/2008
08060288-002A	Soil		1.166	0	0	50	42.882	6/11/2008	6/11/2008
08060288-003A	Soil		1.129	0	0	50	44.287	6/11/2008	6/11/2008
08060288-004A	Soil		1.041	0	0	50	48.031	6/11/2008	6/11/2008
08060288-005A	Soil		1.083	0	0	50	46.168	6/11/2008	6/11/2008
08060288-006A	Soil		1.025	0	0	50	48.780	6/11/2008	6/11/2008
08060288-008A	Soil		1.027	0	0	50	48.685	6/11/2008	6/11/2008
08060288-008AMS	Soil		1.032	0	0	50	48.450	6/11/2008	6/11/2008
08060288-008AMSD	Soil		1.023	0	0	50	48.876	6/11/2008	6/11/2008
08060288-009A	Soil		1.104	0	0	50	45.290	6/11/2008	6/11/2008
08060288-010A	Soil		1.083	0	0	50	46.168	6/11/2008	6/11/2008
08060288-015A	Soil		1.012	0	0	50	49.407	6/11/2008	6/11/2008
08060288-016A	Soil		1.131	0	0	50	44.209	6/11/2008	6/11/2008
08060331-001B	Soil		1.089	0	0	50	45.914	6/11/2008	6/11/2008
08060333-002A	Soil		1.164	0	0	50	42.955	6/11/2008	6/11/2008
08060325-001A	Product		1.061	0	0	50	47.125	6/12/2008	6/12/2008
08060325-002A	Product		0.571	0	0	50	87.566	6/12/2008	6/12/2008
08060325-003A	Product		1.04	0	0	50	48.077	6/12/2008	6/12/2008
08060325-004A	Product		1.008	0	0	50	49.603	6/12/2008	6/12/2008
08060325-005A	Product		0.454	0	0	50	110.132	6/12/2008	6/12/2008
08060384-001A	Soil		1.057	0	0	50	47.304	6/12/2008	6/12/2008
08060384-002B	Soil		1.058	0	0	50	47.259	6/12/2008	6/12/2008

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060333
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: 35623

Sample ID: **IMBS1 6/11/08** SampType: **MBLK** TestCode: **M_ICPMS_S** Units: **mg/Kg** Prep Date: **6/11/2008** Run ID: **ICPMS_080611B**
Client ID: ZZZZZ Batch ID: **35623** TestNo: **SW6020** Analysis Date: **6/11/2008** SeqNo: **1151089**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	10									
Antimony	ND	1.0									
Arsenic	ND	0.50									
Barium	ND	0.50									
Beryllium	ND	0.25									
Cadmium	ND	0.25									
Calcium	ND	30									
Chromium	ND	0.50									
Cobalt	ND	0.50									
Copper	ND	1.2									
Iron	ND	15									
Lead	ND	0.25									
Magnesium	ND	15									
Manganese	ND	0.50									
Nickel	ND	0.50									
Potassium	ND	15									
Selenium	ND	0.50									
Silver	ND	0.50									
Sodium	ND	30									
Thallium	ND	0.50									
Vanadium	ND	0.50									
Zinc	0.6322	2.5									J

Sample ID: **ILCSS1 6/11/08** SampType: **LCS** TestCode: **M_ICPMS_S** Units: **mg/Kg** Prep Date: **6/11/2008** Run ID: **ICPMS_080611B**
Client ID: ZZZZZ Batch ID: **35623** TestNo: **SW6020** Analysis Date: **6/11/2008** SeqNo: **1151090**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	26.68	10	25	0	107	80	120	0	0		
Antimony	22.65	1.0	12.5	0	181	80	120	0	0		S

Qualifiers:
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R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded
B - Analyte detected in the associated Method Blank
E - Value above quantitation range

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060333
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: 35623

Sample ID: **ILCSS1 6/11/08** SampType: **LCS** TestCode: **M_ICPMS_S** Units: **mg/Kg** Prep Date: **6/11/2008** Run ID: **ICPMS_080611B**
Client ID: **ZZZZZ** Batch ID: **35623** TestNo: **SW6020** Analysis Date: **6/11/2008** SeqNo: **1151090**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	26.02	0.50	25	0	104	80	120	0	0		
Barium	28.18	0.50	25	0	113	80	120	0	0		
Beryllium	24.35	0.25	25	0	97.4	80	120	0	0		
Cadmium	26.58	0.25	25	0	106	80	120	0	0		
Calcium	104.7	30	100	0	105	80	120	0	0		
Chromium	27.05	0.50	25	0	108	80	120	0	0		
Cobalt	26.9	0.50	25	0	108	80	120	0	0		
Copper	27.15	1.2	25	0	109	80	120	0	0		
Iron	104.1	15	100	0	104	80	120	0	0		
Lead	26.85	0.25	25	0	107	80	120	0	0		
Magnesium	103.2	15	100	0	103	80	120	0	0		
Manganese	27.12	0.50	25	0	108	80	120	0	0		
Nickel	27.48	0.50	25	0	110	80	120	0	0		
Potassium	106.3	15	100	0	106	80	120	0	0		
Selenium	24.58	0.50	25	0	98.3	80	120	0	0		
Silver	10.58	0.50	10	0	106	80	120	0	0		
Sodium	106.3	30	100	0	106	80	120	0	0		
Thallium	25.78	0.50	25	0	103	80	120	0	0		
Vanadium	26.88	0.50	25	0	108	80	120	0	0		
Zinc	25.82	2.5	25	0.6322	101	80	120	0	0		

Sample ID: **08060288-008AMS** SampType: **MS** TestCode: **M_ICPMS_S** Units: **mg/Kg-dry** Prep Date: **6/11/2008** Run ID: **ICPMS_080611B**
Client ID: **ZZZZZ** Batch ID: **35623** TestNo: **SW6020** Analysis Date: **6/11/2008** SeqNo: **1151106**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	8.456	2.3	14.97	1.219	48.3	75	125	0	0		S
Arsenic	39.49	1.2	29.94	9.894	98.8	75	125	0	0		
Barium	113.2	1.2	29.94	84.43	96	75	125	0	0		
Beryllium	28.91	0.59	29.94	0.5609	94.7	75	125	0	0		
Cadmium	31.16	0.59	29.94	0	104	75	125	0	0		
Calcium	4671	72	119.8	5254	-486	75	125	0	0		S

Qualifiers:
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R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded
B - Analyte detected in the associated Method Blank
E - Value above quantitation range

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060333
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: 35623

Sample ID: **08060288-008AMS** SampType: **MS** TestCode: **M_ICPMS_S** Units: **mg/Kg-dry** Prep Date: **6/11/2008** Run ID: **ICPMS_080611B**
Client ID: ZZZZZ Batch ID: **35623** TestNo: **SW6020** Analysis Date: **6/11/2008** SeqNo: **1151106**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	54.92	1.2	29.94	24.97	100	75	125	0	0		
Cobalt	40.78	1.2	29.94	12	96.1	75	125	0	0		
Copper	54.1	3.0	29.94	26.11	93.5	75	125	0	0		
Iron	25590	36	119.8	27530	-1620	75	125	0	0		S
Lead	64.62	0.59	29.94	31.43	111	75	125	0	0		
Magnesium	5843	36	119.8	6337	-412	75	125	0	0		S
Manganese	445.1	1.2	29.94	448.2	-10.3	75	125	0	0		S
Nickel	55.14	1.2	29.94	28.54	88.8	75	125	0	0		
Potassium	1785	36	119.8	1653	110	75	125	0	0		
Selenium	29.48	1.2	29.94	0	98.5	75	125	0	0		
Silver	11.68	1.2	11.98	0	97.5	75	125	0	0		
Sodium	239.1	72	119.8	126.4	94.1	75	125	0	0		
Thallium	30.4	1.2	29.94	0	102	75	125	0	0		
Vanadium	56.25	1.2	29.94	27.83	94.9	75	125	0	0		

Sample ID: **08060288-008AMS** SampType: **MS** TestCode: **M_ICPMS_S** Units: **mg/Kg-dry** Prep Date: **6/11/2008** Run ID: **ICPMS_080611B**
Client ID: ZZZZZ Batch ID: **35623** TestNo: **SW6020** Analysis Date: **6/11/2008** SeqNo: **1151123**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	13190	230	29.94	12980	690	75	125	0	0		S
Zinc	121.7	59	29.94	93.1	95.5	75	125	0	0		

Sample ID: **08060288-008AMSD** SampType: **MSD** TestCode: **M_ICPMS_S** Units: **mg/Kg-dry** Prep Date: **6/11/2008** Run ID: **ICPMS_080611B**
Client ID: ZZZZZ Batch ID: **35623** TestNo: **SW6020** Analysis Date: **6/11/2008** SeqNo: **1151107**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	7.51	2.5	15.1	1.219	41.7	75	125	8.456	11.9	20	S
Arsenic	39.32	1.2	30.21	9.894	97.4	75	125	39.49	0.422	20	
Barium	110	1.2	30.21	84.43	84.5	75	125	113.2	2.90	20	
Beryllium	28.85	0.61	30.21	0.5609	93.6	75	125	28.91	0.207	20	
Cadmium	30.73	0.61	30.21	0	102	75	125	31.16	1.38	20	

Qualifiers:
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H/HT - Holding Time Exceeded
B - Analyte detected in the associated Method Blank
E - Value above quantitation range

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060333
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: 35623

Sample ID: **08060288-008AMSD** SampType: **MSD** TestCode: **M_ICPMS_S** Units: **mg/Kg-dry** Prep Date: **6/11/2008** Run ID: **ICPMS_080611B**
Client ID: ZZZZZ Batch ID: **35623** TestNo: **SW6020** Analysis Date: **6/11/2008** SeqNo: **1151107**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	5110	73	120.8	5254	-119	75	125	4671	8.97	20	S
Chromium	54.51	1.2	30.21	24.97	97.8	75	125	54.92	0.762	20	
Cobalt	41.19	1.2	30.21	12	96.6	75	125	40.78	0.993	20	
Copper	53.06	3.0	30.21	26.11	89.2	75	125	54.1	1.95	20	
Iron	26160	36	120.8	27530	-1130	75	125	25590	2.20	20	S
Lead	60.66	0.61	30.21	31.43	96.8	75	125	64.62	6.33	20	
Magnesium	6027	36	120.8	6337	-256	75	125	5843	3.10	20	S
Manganese	449.5	1.2	30.21	448.2	4.6	75	125	445.1	0.997	20	S
Nickel	55.64	1.2	30.21	28.54	89.7	75	125	55.14	0.908	20	
Potassium	1690	36	120.8	1653	30.8	75	125	1785	5.46	20	S
Selenium	28.95	1.2	30.21	0	95.8	75	125	29.48	1.82	20	
Silver	11.64	1.2	12.08	0	96.3	75	125	11.68	0.362	20	
Sodium	233.9	73	120.8	126.4	89	75	125	239.1	2.20	20	
Thallium	30.36	1.2	30.21	0	100	75	125	30.4	0.134	20	
Vanadium	56.45	1.2	30.21	27.83	94.7	75	125	56.25	0.353	20	

Sample ID: **08060288-008AMSD** SampType: **MSD** TestCode: **M_ICPMS_S** Units: **mg/Kg-dry** Prep Date: **6/11/2008** Run ID: **ICPMS_080611B**
Client ID: ZZZZZ Batch ID: **35623** TestNo: **SW6020** Analysis Date: **6/11/2008** SeqNo: **1151124**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	13360	250	30.21	12980	1270	75	125	13190	1.33	20	S
Zinc	125.6	61	30.21	93.1	108	75	125	121.7	3.16	20	

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H/HT - Holding Time Exceeded
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STAT Analysis Corporation

PREP BATCH REPORT

Prep Start Date: **6/11/2008 10:45:00**
Prep End Date: **6/11/2008 2:30:00 P**

Prep Batch **35625** Prep Code: **M_W_PREP** Technician: **PN**

Prep Factor Units: **mL / mL**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
IMBW1 6/11/08			50	0	0	50	1.000	6/11/2008	6/11/2008
ILCSW1 6/11/08			50	0	0	50	1.000	6/11/2008	6/11/2008
08060264-005C	Water		50	0	0	50	1.000	6/11/2008	6/11/2008
08060264-006C	Water		50	0	0	50	1.000	6/11/2008	6/11/2008
08060264-007C	Water		50	0	0	50	1.000	6/11/2008	6/11/2008
08060264-008C	Water		50	0	0	50	1.000	6/11/2008	6/11/2008
08060333-001A	Water		50	0	0	50	1.000	6/11/2008	6/11/2008
08060333-003A	Water		50	0	0	50	1.000	6/11/2008	6/11/2008
08060343-001C	Water		50	0	0	50	1.000	6/11/2008	6/11/2008
08060361-001C	Water		50	0	0	50	1.000	6/11/2008	6/11/2008
08060361-002C	Water		50	0	0	50	1.000	6/11/2008	6/11/2008
08060361-003C	Water		50	0	0	50	1.000	6/11/2008	6/11/2008
08060333-001AMS	Water		50	0	0	50	1.000	6/11/2008	6/11/2008
08060333-001AMSD	Water		50	0	0	50	1.000	6/11/2008	6/11/2008
IMBTCLP1 6/10/08			50	0	0	50	1.000	6/11/2008	6/11/2008
08060328-001A	Rocks		50	0	0	50	1.000	6/11/2008	6/11/2008
08060330-001A	Soil		50	0	0	50	1.000	6/11/2008	6/11/2008
08060346-001A	Sludge		50	0	0	50	1.000	6/11/2008	6/11/2008
08060356-001B	Soil		50	0	0	50	1.000	6/11/2008	6/11/2008
08060360-001A	Soil		50	0	0	50	1.000	6/11/2008	6/11/2008
08060370-001A	Water		50	0	0	50	1.000	6/11/2008	6/11/2008
08060371-001A	Water		50	0	0	50	1.000	6/11/2008	6/11/2008
08060360-001AMS	Soil		50	0	0	50	1.000	6/11/2008	6/11/2008

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060333
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: 35625

Sample ID: **IMBW1 6/11/08** SampType: **MBLK** TestCode: **M_ICPMS_W** Units: **mg/L** Prep Date: **6/11/2008** Run ID: **ICPMS_080611A**
Client ID: **ZZZZZ** Batch ID: **35625** TestNo: **SW6020** Analysis Date: **6/11/2008** SeqNo: **1150782**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	0.040									
Antimony	ND	0.0060									
Arsenic	ND	0.0040									
Barium	ND	0.0040									
Beryllium	ND	0.0020									
Cadmium	0.00186	0.0020									J
Calcium	ND	0.20									
Chromium	ND	0.0040									
Cobalt	ND	0.0040									
Copper	ND	0.010									
Iron	ND	0.10									
Lead	0.0013	0.0020									J
Magnesium	ND	0.10									
Manganese	ND	0.0040									
Nickel	ND	0.0040									
Potassium	ND	0.10									
Selenium	ND	0.0040									
Silver	ND	0.0040									
Sodium	0.03518	0.30									J
Thallium	ND	0.0020									
Vanadium	ND	0.0040									
Zinc	0.03388	0.040									J

Sample ID: **ILCSW1 6/11/08** SampType: **LCS** TestCode: **M_ICPMS_W** Units: **mg/L** Prep Date: **6/11/2008** Run ID: **ICPMS_080611A**
Client ID: **ZZZZZ** Batch ID: **35625** TestNo: **SW6020** Analysis Date: **6/11/2008** SeqNo: **1150783**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	0.5128	0.040	0.5	0	103	80	120	0	0		
Antimony	0.424	0.0060	0.25	0	170	80	120	0	0		S
Arsenic	0.507	0.0040	0.5	0	101	80	120	0	0		
Barium	0.513	0.0040	0.5	0	103	80	120	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded
B - Analyte detected in the associated Method Blank
E - Value above quantitation range

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060333
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: 35625

Sample ID: **ILCSW1 6/11/08** SampType: **LCS** TestCode: **M_ICPMS_W** Units: **mg/L** Prep Date: **6/11/2008** Run ID: **ICPMS_080611A**
Client ID: **ZZZZZ** Batch ID: **35625** TestNo: **SW6020** Analysis Date: **6/11/2008** SeqNo: **1150783**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Beryllium	0.4908	0.0020	0.5	0	98.2	80	120	0	0		
Cadmium	0.5044	0.0020	0.5	0.00186	101	80	120	0	0		
Calcium	2.012	0.20	2	0	101	80	120	0	0		
Chromium	0.502	0.0040	0.5	0	100	80	120	0	0		
Cobalt	0.5072	0.0040	0.5	0	101	80	120	0	0		
Copper	0.516	0.010	0.5	0	103	80	120	0	0		
Iron	1.967	0.10	2	0	98.4	80	120	0	0		
Lead	0.512	0.0020	0.5	0.0013	102	80	120	0	0		
Magnesium	2.002	0.10	2	0	100	80	120	0	0		
Manganese	0.5124	0.0040	0.5	0	102	80	120	0	0		
Nickel	0.5158	0.0040	0.5	0	103	80	120	0	0		
Potassium	2.06	0.10	2	0	103	80	120	0	0		
Selenium	0.4974	0.0040	0.5	0	99.5	80	120	0	0		
Silver	0.1998	0.0040	0.2	0	99.9	80	120	0	0		
Sodium	2.04	0.30	2	0.03518	100	80	120	0	0		
Thallium	0.494	0.0020	0.5	0	98.8	80	120	0	0		
Vanadium	0.5048	0.0040	0.5	0	101	80	120	0	0		
Zinc	0.5302	0.040	0.5	0.03388	99.3	80	120	0	0		

Sample ID: **08060333-001AMS** SampType: **MS** TestCode: **M_ICPMS_W** Units: **mg/L** Prep Date: **6/11/2008** Run ID: **ICPMS_080611A**
Client ID: **Field Blank** Batch ID: **35625** TestNo: **SW6020** Analysis Date: **6/11/2008** SeqNo: **1150785**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	0.514	0.040	0.5	0	103	75	125	0	0		
Antimony	0.423	0.0060	0.25	0	169	75	125	0	0		S
Arsenic	0.5038	0.0040	0.5	0	101	75	125	0	0		
Barium	0.5126	0.0040	0.5	0	103	75	125	0	0		
Beryllium	0.489	0.0020	0.5	0	97.8	75	125	0	0		
Cadmium	0.503	0.0020	0.5	0.00188	100	75	125	0	0		
Calcium	2.102	0.20	2	0.09516	100	75	125	0	0		
Chromium	0.502	0.0040	0.5	0	100	75	125	0	0		

Qualifiers:
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B - Analyte detected in the associated Method Blank
E - Value above quantitation range

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060333
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: 35625

Sample ID: **08060333-001AMS** SampType: **MS** TestCode: **M_ICPMS_W** Units: **mg/L** Prep Date: **6/11/2008** Run ID: **ICPMS_080611A**
Client ID: **Field Blank** Batch ID: **35625** TestNo: **SW6020** Analysis Date: **6/11/2008** SeqNo: **1150785**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cobalt	0.5056	0.0040	0.5	0	101	75	125	0	0		
Copper	0.5142	0.010	0.5	0	103	75	125	0	0		
Iron	1.958	0.10	2	0	97.9	75	125	0	0		
Lead	0.5134	0.0020	0.5	0.00128	102	75	125	0	0		
Magnesium	2.018	0.10	2	0	101	75	125	0	0		
Manganese	0.5094	0.0040	0.5	0	102	75	125	0	0		
Nickel	0.517	0.0040	0.5	0	103	75	125	0	0		
Potassium	2.038	0.10	2	0	102	75	125	0	0		
Selenium	0.5008	0.0040	0.5	0	100	75	125	0	0		
Silver	0.1999	0.0040	0.2	0	99.9	75	125	0	0		
Sodium	2.492	0.30	2	0.448	102	75	125	0	0		
Thallium	0.4972	0.0020	0.5	0.00138	99.2	75	125	0	0		
Vanadium	0.5038	0.0040	0.5	0	101	75	125	0	0		
Zinc	0.525	0.040	0.5	0.03474	98.1	75	125	0	0		

Sample ID: **08060333-001AMSD** SampType: **MSD** TestCode: **M_ICPMS_W** Units: **mg/L** Prep Date: **6/11/2008** Run ID: **ICPMS_080611A**
Client ID: **Field Blank** Batch ID: **35625** TestNo: **SW6020** Analysis Date: **6/11/2008** SeqNo: **1150786**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	0.5112	0.040	0.5	0	102	75	125	0.514	0.546	20	
Antimony	0.4272	0.0060	0.25	0	171	75	125	0.423	0.988	20	S
Arsenic	0.5084	0.0040	0.5	0	102	75	125	0.5038	0.909	20	
Barium	0.5192	0.0040	0.5	0	104	75	125	0.5126	1.28	20	
Beryllium	0.4952	0.0020	0.5	0	99	75	125	0.489	1.26	20	
Cadmium	0.5076	0.0020	0.5	0.00188	101	75	125	0.503	0.910	20	
Calcium	2.086	0.20	2	0.09516	99.5	75	125	2.102	0.764	20	
Chromium	0.5002	0.0040	0.5	0	100	75	125	0.502	0.359	20	
Cobalt	0.507	0.0040	0.5	0	101	75	125	0.5056	0.277	20	
Copper	0.5114	0.010	0.5	0	102	75	125	0.5142	0.546	20	
Iron	1.954	0.10	2	0	97.7	75	125	1.958	0.205	20	
Lead	0.5198	0.0020	0.5	0.00128	104	75	125	0.5134	1.24	20	

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B - Analyte detected in the associated Method Blank
E - Value above quantitation range

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060333
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: 35625

Sample ID: **08060333-001AMSD** SampType: **MSD** TestCode: **M_ICPMS_W** Units: **mg/L** Prep Date: **6/11/2008** Run ID: **ICPMS_080611A**
Client ID: **Field Blank** Batch ID: **35625** TestNo: **SW6020** Analysis Date: **6/11/2008** SeqNo: **1150786**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Magnesium	2.006	0.10	2	0	100	75	125	2.018	0.596	20	
Manganese	0.5122	0.0040	0.5	0	102	75	125	0.5094	0.548	20	
Nickel	0.5118	0.0040	0.5	0	102	75	125	0.517	1.01	20	
Potassium	2.048	0.10	2	0	102	75	125	2.038	0.489	20	
Selenium	0.5006	0.0040	0.5	0	100	75	125	0.5008	0.0399	20	
Silver	0.2016	0.0040	0.2	0	101	75	125	0.1999	0.867	20	
Sodium	2.464	0.30	2	0.448	101	75	125	2.492	1.13	20	
Thallium	0.5028	0.0020	0.5	0.00138	100	75	125	0.4972	1.12	20	
Vanadium	0.5044	0.0040	0.5	0	101	75	125	0.5038	0.119	20	
Zinc	0.5212	0.040	0.5	0.03474	97.3	75	125	0.525	0.726	20	

Qualifiers:
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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded
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STAT Analysis Corporation

PREP BATCH REPORT

Prep Start Date: **6/23/2008 2:10:00 P**
Prep End Date: **6/23/2008 3:00:00 P**

Prep Batch **35898** Prep Code: **M_HG_S_PRE** Technician: **VA**

Prep Factor Units: **mL / g**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
HGMBS2 6/23/08			0.3	0	0	30	100.000	6/23/2008	6/23/2008
HGLCSS2 6/23/08			0.3	0	0	30	100.000	6/23/2008	6/23/2008
08060333-002A	Soil		0.31	0	0	30	96.774	6/23/2008	6/23/2008
08060689-022B	Soil		0.31	0	0	30	96.774	6/23/2008	6/23/2008
08060689-023B	Soil		0.308	0	0	30	97.403	6/23/2008	6/23/2008
08060689-024B	Soil		0.303	0	0	30	99.010	6/23/2008	6/23/2008
08060689-025B	Soil		0.308	0	0	30	97.403	6/23/2008	6/23/2008
08060689-026B	Soil		0.302	0	0	30	99.338	6/23/2008	6/23/2008
08060689-027B	Soil		0.319	0	0	30	94.044	6/23/2008	6/23/2008
08060689-028B	Soil		0.312	0	0	30	96.154	6/23/2008	6/23/2008
08060712-001B	Gravel		0.319	0	0	30	94.044	6/23/2008	6/23/2008
08060736-001B	Soil		0.32	0	0	30	93.750	6/23/2008	6/23/2008
08060736-002B	Soil		0.323	0	0	30	92.879	6/23/2008	6/23/2008
08060749-001B	Soil		0.317	0	0	30	94.637	6/23/2008	6/23/2008
08060749-003B	Soil		0.326	0	0	30	92.025	6/23/2008	6/23/2008
08060749-004B	Soil		0.314	0	0	30	95.541	6/23/2008	6/23/2008
08060749-006B	Soil		0.311	0	0	30	96.463	6/23/2008	6/23/2008
08060749-007B	Soil		0.304	0	0	30	98.684	6/23/2008	6/23/2008
08060749-008B	Soil		0.31	0	0	30	96.774	6/23/2008	6/23/2008
08060749-009B	Soil		0.319	0	0	30	94.044	6/23/2008	6/23/2008
08060749-010B	Soil		0.324	0	0	30	92.593	6/23/2008	6/23/2008
08060769-001B	Solid		0.31	0	0	30	96.774	6/23/2008	6/23/2008
08060736-002BMS	Soil		0.323	0	0	30	92.879	6/23/2008	6/23/2008
08060736-002BMSD	Soil		0.326	0	0	30	92.025	6/23/2008	6/23/2008

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060333
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: 35898

Sample ID: **HGMBS2 6/23/08** SampType: **MBLK** TestCode: **M_HG_SOLID** Units: **mg/Kg** Prep Date: **6/23/2008** Run ID: **CETAC_080623C**
Client ID: ZZZZZ Batch ID: **35898** TestNo: **SW7471A** Analysis Date: **6/23/2008** SeqNo: **1161794**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.004	0.025									J

Sample ID: **HGLCSS2 6/23/08** SampType: **LCS** TestCode: **M_HG_SOLID** Units: **mg/Kg** Prep Date: **6/23/2008** Run ID: **CETAC_080623C**
Client ID: ZZZZZ Batch ID: **35898** TestNo: **SW7471A** Analysis Date: **6/23/2008** SeqNo: **1161795**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.255	0.025	0.25	0.004	100	80	120	0	0		

Sample ID: **08060736-002BMS** SampType: **MS** TestCode: **M_HG_SOLID** Units: **mg/Kg-dry** Prep Date: **6/23/2008** Run ID: **CETAC_080623C**
Client ID: ZZZZZ Batch ID: **35898** TestNo: **SW7471A** Analysis Date: **6/23/2008** SeqNo: **1161808**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.301	0.028	0.2818	0.02818	96.8	75	125	0	0		

Sample ID: **08060736-002BMSD** SampType: **MSD** TestCode: **M_HG_SOLID** Units: **mg/Kg-dry** Prep Date: **6/23/2008** Run ID: **CETAC_080623C**
Client ID: ZZZZZ Batch ID: **35898** TestNo: **SW7471A** Analysis Date: **6/23/2008** SeqNo: **1161809**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.2993	0.028	0.2792	0.02818	97.1	75	125	0.301	0.551	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded
B - Analyte detected in the associated Method Blank
E - Value above quantitation range

STAT Analysis Corporation

PREP BATCH REPORT

Prep Start Date: **6/11/2008 3:10:00 P**
Prep End Date: **6/11/2008 5:10:00 P**

Prep Factor Units: **mL / mL**

Prep Batch **35640** Prep Code: **M_HG_W_PRE** Technician: **VA**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
HGMBW1 6/11/08			30	0	0	30	1.000	6/11/2008	6/11/2008
HGLCSW1 6/11/08			30	0	0	30	1.000	6/11/2008	6/11/2008
08060361-001C	Water		30	0	0	30	1.000	6/11/2008	6/11/2008
08060361-002C	Water		30	0	0	30	1.000	6/11/2008	6/11/2008
08060361-003C	Water		30	0	0	30	1.000	6/11/2008	6/11/2008
08060362-014A	Water		30	0	0	30	1.000	6/11/2008	6/11/2008
08060343-001C	Water		30	0	0	30	1.000	6/11/2008	6/11/2008
08060264-005C	Water		30	0	0	30	1.000	6/11/2008	6/11/2008
08060264-006C	Water		30	0	0	30	1.000	6/11/2008	6/11/2008
08060264-007C	Water		30	0	0	30	1.000	6/11/2008	6/11/2008
08060264-008C	Water		30	0	0	30	1.000	6/11/2008	6/11/2008
08060333-001A	Water		30	0	0	30	1.000	6/11/2008	6/11/2008
08060333-003A	Water		30	0	0	30	1.000	6/11/2008	6/11/2008
08060288-011A	Water		30	0	0	30	1.000	6/11/2008	6/11/2008
08060288-013A	Water		30	0	0	30	1.000	6/11/2008	6/11/2008
08060288-014A	Water		30	0	0	30	1.000	6/11/2008	6/11/2008
HGMBTCLP1 6/9/08			30	0	0	30	1.000	6/11/2008	6/11/2008
08060258-001A	Solid		30	0	0	30	1.000	6/11/2008	6/11/2008
08060285-001B	Soil		30	0	0	30	1.000	6/11/2008	6/11/2008
08060285-002B	Soil		30	0	0	30	1.000	6/11/2008	6/11/2008
08060285-003B	Soil		30	0	0	30	1.000	6/11/2008	6/11/2008
08060285-004B	Soil		30	0	0	30	1.000	6/11/2008	6/11/2008
08060285-004BMS	Soil		30	0	0	30	1.000	6/11/2008	6/11/2008
08060285-004BMSD	Soil		30	0	0	30	1.000	6/11/2008	6/11/2008
HGMBTCLP1 6/10/08			30	0	0	30	1.000	6/11/2008	6/11/2008

STAT Analysis Corporation

PREP BATCH REPORT

Prep Start Date: **6/11/2008 3:10:00 P**
Prep End Date: **6/11/2008 5:10:00 P**

Prep Batch **35640** Prep Code: **M_HG_W_PRE** Technician: **VA**

Prep Factor Units: **mL / mL**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
08060330-001A	Soil		30	0	0	30	1.000	6/11/2008	6/11/2008
08060330-001AMS	Soil		30	0	0	30	1.000	6/11/2008	6/11/2008

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060333
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: 35640

Sample ID: **08060285-004BMS** SampType: **MS** TestCode: **M_1311_HG** Units: **mg/L** Prep Date: **6/11/2008** Run ID: **CETAC_080612A**
Client ID: ZZZZZ Batch ID: **35640** TestNo: **SW1311/7470** Analysis Date: **6/12/2008** SeqNo: **1151513**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00262	0.00025	0.0025	0	105	75	125	0	0		

Sample ID: **08060285-004BMSD** SampType: **MSD** TestCode: **M_1311_HG** Units: **mg/L** Prep Date: **6/11/2008** Run ID: **CETAC_080612A**
Client ID: ZZZZZ Batch ID: **35640** TestNo: **SW1311/7470** Analysis Date: **6/12/2008** SeqNo: **1151514**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00262	0.00025	0.0025	0	105	75	125	0.00262	0	20	

Sample ID: **HGMBW1 6/11/08** SampType: **MBLK** TestCode: **M_HG_WATE** Units: **mg/L** Prep Date: **6/11/2008** Run ID: **CETAC_080612A**
Client ID: ZZZZZ Batch ID: **35640** TestNo: **SW7470A** Analysis Date: **6/12/2008** SeqNo: **1151463**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00003	0.00025									J

Sample ID: **HGLCSW1 6/11/08** SampType: **LCS** TestCode: **M_HG_WATE** Units: **mg/L** Prep Date: **6/11/2008** Run ID: **CETAC_080612A**
Client ID: ZZZZZ Batch ID: **35640** TestNo: **SW7470A** Analysis Date: **6/12/2008** SeqNo: **1151464**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00242	0.00025	0.0025	0.00003	95.6	80	120	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded
B - Analyte detected in the associated Method Blank
E - Value above quantitation range

STAT Analysis Corporation

PREP BATCH REPORT

Prep Start Date: **6/10/2008 6:00:00 P**
Prep End Date: **6/11/2008 7:45:00 P**

Prep Factor Units: **mL / g**

Prep Batch **35615** Prep Code: **TCNPREP_S** Technician: **KB**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
TCNMBS1 061008			1	0	0	50	50.000	6/10/2008	6/10/2008
TCNLCSS1 061008			1	0	0	50	50.000	6/10/2008	6/10/2008
08060288-001A	Soil		1	0	0	50	50.000	6/10/2008	6/10/2008
08060288-002A	Soil		1	0	0	50	50.000	6/10/2008	6/10/2008
08060288-003A	Soil		1	0	0	50	50.000	6/10/2008	6/10/2008
08060288-004A	Soil		1	0	0	50	50.000	6/10/2008	6/10/2008
08060288-005A	Soil		1	0	0	50	50.000	6/10/2008	6/10/2008
08060288-006A	Soil		1	0	0	50	50.000	6/10/2008	6/10/2008
08060288-008A	Soil		1	0	0	50	50.000	6/10/2008	6/10/2008
08060288-008AMS	Soil		1	0	0	50	50.000	6/10/2008	6/10/2008
08060288-008AMSD	Soil		1	0	0	50	50.000	6/10/2008	6/10/2008
08060288-009A	Soil		1	0	0	50	50.000	6/10/2008	6/10/2008
08060288-010A	Soil		1	0	0	50	50.000	6/10/2008	6/10/2008
08060288-015A	Soil		1	0	0	50	50.000	6/10/2008	6/10/2008
08060288-016A	Soil		1	0	0	50	50.000	6/10/2008	6/10/2008
08060333-002A	Soil		1	0	0	50	50.000	6/10/2008	6/10/2008
08060358-001A	Soil		1	0	0	50	50.000	6/11/2008	6/11/2008

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060333
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: 35615

Sample ID: **TCNMBS1 061008** SampType: **MBLK** TestCode: **CN_TS** Units: **mg/Kg** Prep Date: **6/10/2008** Run ID: **LACHAT_080611A**
Client ID: ZZZZZ Batch ID: **35615** TestNo: **SW9012A** Analysis Date: **6/11/2008** SeqNo: **1151017**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	ND	0.25									

Sample ID: **TCNLCSS1 061008** SampType: **LCS** TestCode: **CN_TS** Units: **mg/Kg** Prep Date: **6/10/2008** Run ID: **LACHAT_080611A**
Client ID: ZZZZZ Batch ID: **35615** TestNo: **SW9012A** Analysis Date: **6/11/2008** SeqNo: **1151018**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	10.35	0.25	10	0	104	90	110	0	0		

Sample ID: **08060288-008AMS** SampType: **MS** TestCode: **CN_TS** Units: **mg/Kg-dry** Prep Date: **6/10/2008** Run ID: **LACHAT_080611A**
Client ID: ZZZZZ Batch ID: **35615** TestNo: **SW9012A** Analysis Date: **6/11/2008** SeqNo: **1151020**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	12.37	0.31	12.36	0	100	75	125	0	0		

Sample ID: **08060288-008AMSD** SampType: **MSD** TestCode: **CN_TS** Units: **mg/Kg-dry** Prep Date: **6/10/2008** Run ID: **LACHAT_080611A**
Client ID: ZZZZZ Batch ID: **35615** TestNo: **SW9012A** Analysis Date: **6/11/2008** SeqNo: **1151022**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	11.93	0.31	12.36	0	96.5	75	125	12.37	3.62	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded
B - Analyte detected in the associated Method Blank
E - Value above quantitation range

STAT Analysis Corporation

PREP BATCH REPORT

Prep Start Date: **6/11/2008 6:00:00 P**
Prep End Date: **6/11/2008 7:45:00 P**

Prep Factor Units: **mL / mL**

Prep Batch **35647** Prep Code: **TCNPREP_W** Technician: **KB**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
TCNMBW1 061108			50	0	0	50	1.000	6/11/2008	6/11/2008
TCNLCSW1 061108			50	0	0	50	1.000	6/11/2008	6/11/2008
08060343-001DMS	Water		50	0	0	50	1.000	6/11/2008	6/11/2008
08060343-001DMSD	Water		50	0	0	50	1.000	6/11/2008	6/11/2008
08060288-011B	Water		50	0	0	50	1.000	6/11/2008	6/11/2008
08060288-013B	Water		50	0	0	50	1.000	6/11/2008	6/11/2008
08060288-014B	Water		50	0	0	50	1.000	6/11/2008	6/11/2008
08060333-001B	Water		50	0	0	50	1.000	6/11/2008	6/11/2008
08060333-003B	Water		50	0	0	50	1.000	6/11/2008	6/11/2008
08060343-001D	Water		50	0	0	50	1.000	6/11/2008	6/11/2008
08060361-001D	Water		50	0	0	50	1.000	6/11/2008	6/11/2008
08060361-002D	Water		50	0	0	50	1.000	6/11/2008	6/11/2008
08060361-003D	Water		50	0	0	50	1.000	6/11/2008	6/11/2008

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060333
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: 35647

Sample ID: **TCNMBW1 061108** SampType: **MBLK** TestCode: **CN_TW** Units: **mg/L** Prep Date: **6/11/2008** Run ID: **LACHAT_080611A**
Client ID: **ZZZZZ** Batch ID: **35647** TestNo: **SW9012A** Analysis Date: **6/11/2008** SeqNo: **1151059**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	ND	0.0050									

Sample ID: **TCNLCSW1 061108** SampType: **LCS** TestCode: **CN_TW** Units: **mg/L** Prep Date: **6/11/2008** Run ID: **LACHAT_080611A**
Client ID: **ZZZZZ** Batch ID: **35647** TestNo: **SW9012A** Analysis Date: **6/11/2008** SeqNo: **1151060**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.1949	0.0050	0.2	0	97.5	90	110	0	0		

Sample ID: **08060343-001DMS** SampType: **MS** TestCode: **CN_TW** Units: **mg/L** Prep Date: **6/11/2008** Run ID: **LACHAT_080611A**
Client ID: **ZZZZZ** Batch ID: **35647** TestNo: **SW9012A** Analysis Date: **6/11/2008** SeqNo: **1151062**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.205	0.0050	0.2	0.003246	101	75	125	0	0		

Sample ID: **08060343-001DMSD** SampType: **MSD** TestCode: **CN_TW** Units: **mg/L** Prep Date: **6/11/2008** Run ID: **LACHAT_080611A**
Client ID: **ZZZZZ** Batch ID: **35647** TestNo: **SW9012A** Analysis Date: **6/11/2008** SeqNo: **1151063**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.1984	0.0050	0.2	0.003246	97.6	75	125	0.205	3.26	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded
B - Analyte detected in the associated Method Blank
E - Value above quantitation range

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060333
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: R45326

Sample ID: **PMMBK 6/10/08** SampType: **MBLK** TestCode: **PMOIST** Units: **wt%** Prep Date: **6/10/2008** Run ID: **BALANCE_080610A**
Client ID: **ZZZZZ** Batch ID: **R45326** TestNo: **D2974** Analysis Date: **6/11/2008** SeqNo: **1150443**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	ND	0.0100									*

Sample ID: **PMLCS-S 6/10/08** SampType: **LCS** TestCode: **PMOIST** Units: **wt%** Prep Date: **6/10/2008** Run ID: **BALANCE_080610A**
Client ID: **ZZZZZ** Batch ID: **R45326** TestNo: **D2974** Analysis Date: **6/11/2008** SeqNo: **1150444**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	4.9	0.0100	5	0	98	80	120	0	0		*

Sample ID: **PMLCS-W 6/10/08** SampType: **LCS** TestCode: **PMOIST** Units: **wt%** Prep Date: **6/10/2008** Run ID: **BALANCE_080610A**
Client ID: **ZZZZZ** Batch ID: **R45326** TestNo: **D2974** Analysis Date: **6/11/2008** SeqNo: **1150445**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	99.82	0.0100	99.8	0	100	80	120	0	0		*

Sample ID: **08060226-001B DUP** SampType: **DUP** TestCode: **PMOIST** Units: **wt%** Prep Date: **6/10/2008** Run ID: **BALANCE_080610A**
Client ID: **ZZZZZ** Batch ID: **R45326** TestNo: **D2974** Analysis Date: **6/11/2008** SeqNo: **1150447**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	11.04	0.0100	0	0	0	0	0	11.48	3.91	20	*

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded
B - Analyte detected in the associated Method Blank
E - Value above quantitation range

STAT Analysis Corporation
2242 West Harrison St., Suite 200, Chicago, IL 60612-3766
Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com
Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001;AIHA 101160; NVLAP LabCode 101202-

August 19, 2008

Illinois Environmental Protection Agency
1021 North Grand Avenue East
P.O. Box 19276
Springfield, IL 62794-9276
Telephone: (217) 524-1657
Fax: (217) 557-1165

RE: PR50, 0971255020, North Chicago STAT Project No 08060960

Dear Jim Salch:

STAT Analysis received 9 samples for the referenced project on 6/26/2008 2:00:00 PM. The analytical results are presented in the following report

This report is revised to reflect additional analysis requested after the initial report was issued.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. 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 when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

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

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory.

STAT Analysis Corporation

Date: August 19, 2008

Client: Illinois Environmental Protection Agency
Project: PR50, 0971255020, North Chicago
Lab Order: 08060960

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
08060960-001A	MW-101		6/25/2008 11:45:00 AM	6/26/2008
08060960-002A	X-109		6/25/2008 12:45:00 PM	6/26/2008
08060960-003A	X-119R		6/25/2008 10:40:00 AM	6/26/2008
08060960-004A	MW-104		6/25/2008 9:30:00 AM	6/26/2008
08060960-005A	X-130R		6/25/2008 10:15:00 AM	6/26/2008
08060960-006A	MW-103		6/25/2008 12:00:00 PM	6/26/2008
08060960-006B	MW-103		6/25/2008 12:00:00 PM	6/26/2008
08060960-007A	MW-101		6/25/2008 9:15:00 AM	6/26/2008
08060960-008A	MW-102		6/25/2008 10:25:00 AM	6/26/2008
08060960-008B	MW-102		6/25/2008 10:25:00 AM	6/26/2008
08060960-009A	MW-104		6/25/2008 9:40:00 AM	6/26/2008

CLIENT: Illinois Environmental Protection Agency
Project: PR50, 0971255020, North Chicago
Lab Order: 08060960

CASE NARRATIVE

The metals LCS (preparation batch 36048) had recovery outside of control limits for Antimony (147% recovery, QC Limits 80-120%). Antimony was not detected in the associated samples.

The metals MS/MSD prepared from sample MW-103 (08060960-006) had Antimony recovery outside control limits (156%/147% (MS/MSD) recovery, QC limits 75-125%). The MS/MSD had recovery of other analytes outside of control limits, however the analyte concentration in the sample was greater than four times the spike level for those elements.

The metals LCS (preparation batch 36047) had recovery outside of control limits for Antimony (146% recovery, QC Limits 80-120%).

STAT Analysis Corporation
2242 West Harrison St., Suite 200, Chicago, IL 60612-3766
Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com
Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Reported: August 19, 2008
Date Printed: August 19, 2008

Client: Illinois Environmental Protection Agency
Lab Order: 08060960
Project: PR50, 0971255020, North Chicago
Lab ID: 08060960-001

Client Sample ID: MW-101
Collection Date: 6/25/2008 11:45:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	**SW7471A**			Prep Date: **7/2/2008**		Analyst: **VA**
Mercury	0.81	0.052		mg/Kg-dry	2	7/2/2008
Metals by ICP/MS	**SW6020 (SW3050B)**			Prep Date: **6/30/2008**		Analyst: **BJA**
Aluminum	2700	21		mg/Kg-dry	10	7/2/2008
Antimony	ND	2.1		mg/Kg-dry	10	7/1/2008
Arsenic	5.1	1		mg/Kg-dry	10	7/2/2008
Barium	41	1		mg/Kg-dry	10	7/2/2008
Beryllium	1.1	0.52		mg/Kg-dry	10	7/2/2008
Cadmium	9.9	0.52		mg/Kg-dry	10	7/2/2008
Calcium	61000	620		mg/Kg-dry	100	7/2/2008
Chromium	180	1		mg/Kg-dry	10	7/2/2008
Cobalt	320	1		mg/Kg-dry	10	7/2/2008
Copper	120	2.6		mg/Kg-dry	10	7/2/2008
Iron	13000	31		mg/Kg-dry	10	7/2/2008
Lead	140	0.52		mg/Kg-dry	10	7/2/2008
Magnesium	34000	31		mg/Kg-dry	10	7/2/2008
Manganese	240	1		mg/Kg-dry	10	7/2/2008
Nickel	19	1		mg/Kg-dry	10	7/2/2008
Potassium	470	31		mg/Kg-dry	10	7/2/2008
Selenium	1.5	1		mg/Kg-dry	10	7/2/2008
Silver	37	1		mg/Kg-dry	10	7/2/2008
Sodium	190	62		mg/Kg-dry	10	7/2/2008
Thallium	ND	1		mg/Kg-dry	10	7/2/2008
Vanadium	9.6	1		mg/Kg-dry	10	7/2/2008
Zinc	300	5.2		mg/Kg-dry	10	7/2/2008
Cyanide, Total	**SW9012A**			Prep Date: **6/28/2008**		Analyst: **YZ**
Cyanide	ND	0.27		mg/Kg-dry	1	6/30/2008
pH (25 °C)	**SW9045C**			Prep Date: **6/27/2008**		Analyst: **JMS**
pH	7.9			pH Units	1	6/27/2008
Percent Moisture	**D2974**			Prep Date: **6/26/2008**		Analyst: **DB**
Percent Moisture	8.1	0.01	*	wt%	1	6/27/2008

Qualifiers:

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* - Non-accredited parameter
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R - RPD outside accepted recovery limits
E - Value above quantitation range
H - Holding time exceeded

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Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com
Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Reported: August 19, 2008
Date Printed: August 19, 2008

Client: Illinois Environmental Protection Agency
Lab Order: 08060960
Project: PR50, 0971255020, North Chicago
Lab ID: 08060960-002

Client Sample ID: X-109
Collection Date: 6/25/2008 12:45:00 PM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Total Petroleum Hydrocarbons	**SW8015M (SW3580A)**			Prep Date: **6/26/2008**		Analyst: **JT**
TPH (GRO)	9900	260		mg/Kg-dry	10	6/30/2008
TPH (DRO)	1700	26		mg/Kg-dry	1	6/28/2008
TPH (ERO)	73	26	*	mg/Kg-dry	1	6/28/2008
Percent Moisture	**D2974**			Prep Date: **6/26/2008**		Analyst: **DB**
Percent Moisture	24.8	0.01	*	wt%	1	6/27/2008

Qualifiers:

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HT - Sample received past holding time
* - Non-accredited parameter
RL - Reporting / Quantitation Limit for the analysis
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Reported: August 19, 2008
Date Printed: August 19, 2008

Client: Illinois Environmental Protection Agency
Lab Order: 08060960
Project: PR50, 0971255020, North Chicago
Lab ID: 08060960-003

Client Sample ID: X-119R
Collection Date: 6/25/2008 10:40:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	**SW7471A**			Prep Date: **7/2/2008**		Analyst: **VA**
Mercury	0.083	0.029		mg/Kg-dry	1	7/2/2008
Metals by ICP/MS	**SW6020 (SW3050B)**			Prep Date: **6/30/2008**		Analyst: **BJA**
Aluminum	8100	240		mg/Kg-dry	100	7/2/2008
Antimony	4.4	2.4		mg/Kg-dry	10	7/1/2008
Arsenic	8	1.2		mg/Kg-dry	10	7/2/2008
Barium	76	1.2		mg/Kg-dry	10	7/2/2008
Beryllium	0.97	0.59		mg/Kg-dry	10	7/2/2008
Cadmium	2.6	0.59		mg/Kg-dry	10	7/2/2008
Calcium	3000	71		mg/Kg-dry	10	7/2/2008
Chromium	13	1.2		mg/Kg-dry	10	7/2/2008
Cobalt	11	1.2		mg/Kg-dry	10	7/2/2008
Copper	84	3		mg/Kg-dry	10	7/2/2008
Iron	16000	36		mg/Kg-dry	10	7/2/2008
Lead	200	0.59		mg/Kg-dry	10	7/2/2008
Magnesium	2400	36		mg/Kg-dry	10	7/2/2008
Manganese	610	1.2		mg/Kg-dry	10	7/2/2008
Nickel	16	1.2		mg/Kg-dry	10	7/2/2008
Potassium	730	36		mg/Kg-dry	10	7/2/2008
Selenium	ND	1.2		mg/Kg-dry	10	7/2/2008
Silver	ND	1.2		mg/Kg-dry	10	7/2/2008
Sodium	ND	71		mg/Kg-dry	10	7/2/2008
Thallium	ND	1.2		mg/Kg-dry	10	7/2/2008
Vanadium	21	1.2		mg/Kg-dry	10	7/2/2008
Zinc	1300	59		mg/Kg-dry	100	7/2/2008
Cyanide, Total	**SW9012A**			Prep Date: **6/28/2008**		Analyst: **YZ**
Cyanide	ND	0.31		mg/Kg-dry	1	6/30/2008
pH (25 °C)	**SW9045C**			Prep Date: **6/27/2008**		Analyst: **JMS**
pH	7.3			pH Units	1	6/27/2008
Percent Moisture	**D2974**			Prep Date: **6/26/2008**		Analyst: **DB**
Percent Moisture	19.7	0.01	*	wt%	1	6/27/2008

Qualifiers:

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Date Reported: August 19, 2008
Date Printed: August 19, 2008

Client: Illinois Environmental Protection Agency
Lab Order: 08060960
Project: PR50, 0971255020, North Chicago
Lab ID: 08060960-004

Client Sample ID: MW-104
Collection Date: 6/25/2008 9:30:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Organic Carbon Content	**D2974**			Prep Date: **6/27/2008**		Analyst: **JMS**
Organic Carbon Content	1.5	0.01	*	wt%	1	6/30/2008

Qualifiers:

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HT - Sample received past holding time
* - Non-accredited parameter
RL - Reporting / Quantitation Limit for the analysis
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H - Holding time exceeded

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Date Reported: August 19, 2008
Date Printed: August 19, 2008

Client: Illinois Environmental Protection Agency
Lab Order: 08060960
Project: PR50, 0971255020, North Chicago
Lab ID: 08060960-005

Client Sample ID: X-130R
Collection Date: 6/25/2008 10:15:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	**SW7471A**			Prep Date: **7/2/2008**		Analyst: **VA**
Mercury	0.43	0.034		mg/Kg-dry	1	7/2/2008
Metals by ICP/MS	**SW6020 (SW3050B)**			Prep Date: **6/30/2008**		Analyst: **BJA**
Aluminum	32000	260		mg/Kg-dry	100	7/2/2008
Antimony	1800	260		mg/Kg-dry	1000	7/3/2008
Arsenic	46	1.3		mg/Kg-dry	10	7/2/2008
Barium	4300	130		mg/Kg-dry	1000	7/3/2008
Beryllium	0.92	0.66		mg/Kg-dry	10	7/2/2008
Cadmium	29	0.66		mg/Kg-dry	10	7/2/2008
Calcium	15000	79		mg/Kg-dry	10	7/2/2008
Chromium	2200	13		mg/Kg-dry	100	7/2/2008
Cobalt	500	1.3		mg/Kg-dry	10	7/2/2008
Copper	1900	33		mg/Kg-dry	100	7/2/2008
Iron	25000	40		mg/Kg-dry	10	7/2/2008
Lead	89000	66		mg/Kg-dry	1000	7/3/2008
Magnesium	7800	40		mg/Kg-dry	10	7/2/2008
Manganese	330	1.3		mg/Kg-dry	10	7/2/2008
Nickel	31	1.3		mg/Kg-dry	10	7/2/2008
Potassium	810	40		mg/Kg-dry	10	7/2/2008
Selenium	1.6	1.3		mg/Kg-dry	10	7/2/2008
Silver	47	1.3		mg/Kg-dry	10	7/2/2008
Sodium	880	79		mg/Kg-dry	10	7/2/2008
Thallium	ND	1.3		mg/Kg-dry	10	7/2/2008
Vanadium	ND	1.3		mg/Kg-dry	10	7/2/2008
Zinc	14000	660		mg/Kg-dry	1000	7/3/2008
TCLP Metals by ICP/MS	**SW1311/6020 (SW3005A)**			Prep Date: **8/18/2008**		Analyst: **JG**
Arsenic	0.089	0.01		mg/L	5	8/18/2008
Barium	4.1	0.02		mg/L	5	8/18/2008
Cadmium	0.24	0.005		mg/L	5	8/18/2008
Chromium	ND	0.01		mg/L	5	8/18/2008
Lead	340	0.5		mg/L	500	8/18/2008
Selenium	ND	0.01		mg/L	5	8/18/2008
Silver	ND	0.01		mg/L	5	8/18/2008
Cyanide, Total	**SW9012A**			Prep Date: **7/2/2008**		Analyst: **KB**
Cyanide	1.1	0.35		mg/Kg-dry	1	7/2/2008
pH (25 °C)	**SW9045C**			Prep Date: **6/27/2008**		Analyst: **JMS**
pH	7.4			pH Units	1	6/27/2008

Qualifiers:
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Date Reported: August 19, 2008
Date Printed: August 19, 2008

Client: Illinois Environmental Protection Agency
Lab Order: 08060960
Project: PR50, 0971255020, North Chicago
Lab ID: 08060960-005

Client Sample ID: X-130R
Collection Date: 6/25/2008 10:15:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Percent Moisture	**D2974**			Prep Date: **6/26/2008**		Analyst: **DB**
Percent Moisture	27.8	0.01	*	wt%	1	6/27/2008

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
HT - Sample received past holding time
* - Non-accredited parameter
RL - Reporting / Quantitation Limit for the analysis
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H - Holding time exceeded

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Date Reported: August 19, 2008
Date Printed: August 19, 2008

Client: Illinois Environmental Protection Agency
Lab Order: 08060960
Project: PR50, 0971255020, North Chicago
Lab ID: 08060960-006

Client Sample ID: MW-103
Collection Date: 6/25/2008 12:00:00 PM
Matrix: Water

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	**SW7470A**			Prep Date: **6/30/2008**		Analyst: **VA**
Mercury	ND	0.00025		mg/L	1	6/30/2008
Metals by ICP/MS	**SW6020 (SW3005A)**			Prep Date: **6/30/2008**		Analyst: **BJA**
Aluminum	ND	0.04		mg/L	2	7/1/2008
Antimony	ND	0.006		mg/L	2	7/1/2008
Arsenic	ND	0.004		mg/L	2	7/1/2008
Barium	0.058	0.004		mg/L	2	7/1/2008
Beryllium	ND	0.002		mg/L	2	7/1/2008
Cadmium	ND	0.002		mg/L	2	7/1/2008
Calcium	96	0.2		mg/L	2	7/1/2008
Chromium	ND	0.004		mg/L	2	7/1/2008
Cobalt	ND	0.004		mg/L	2	7/2/2008
Copper	ND	0.01		mg/L	2	7/1/2008
Iron	2.2	0.1		mg/L	2	7/1/2008
Lead	ND	0.002		mg/L	2	7/1/2008
Magnesium	54	0.1		mg/L	2	7/1/2008
Manganese	0.031	0.004		mg/L	2	7/1/2008
Nickel	ND	0.004		mg/L	2	7/1/2008
Potassium	2.2	0.1		mg/L	2	7/1/2008
Selenium	ND	0.004		mg/L	2	7/1/2008
Silver	ND	0.004		mg/L	2	7/1/2008
Sodium	35	0.1		mg/L	2	7/1/2008
Thallium	ND	0.004		mg/L	2	7/1/2008
Vanadium	ND	0.004		mg/L	2	7/2/2008
Zinc	ND	0.02		mg/L	2	7/2/2008
Cyanide, Total	**SW9012A**			Prep Date: **7/3/2008**		Analyst: **YZ**
Cyanide	ND	0.005		mg/L	1	7/3/2008

Qualifiers:

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H - Holding time exceeded

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Date Reported: August 19, 2008
Date Printed: August 19, 2008

Client: Illinois Environmental Protection Agency
Lab Order: 08060960
Project: PR50, 0971255020, North Chicago
Lab ID: 08060960-007

Client Sample ID: MW-101
Collection Date: 6/25/2008 9:15:00 AM
Matrix: Water

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	**SW7470A**			Prep Date: **6/30/2008**		Analyst: **VA**
Mercury	ND	0.00025		mg/L	1	6/30/2008
Metals by ICP/MS	**SW6020 (SW3005A)**			Prep Date: **6/30/2008**		Analyst: **BJA**
Aluminum	0.7	0.04		mg/L	2	7/1/2008
Antimony	ND	0.006		mg/L	2	7/1/2008
Arsenic	ND	0.004		mg/L	2	7/1/2008
Barium	0.14	0.004		mg/L	2	7/1/2008
Beryllium	ND	0.002		mg/L	2	7/1/2008
Cadmium	ND	0.002		mg/L	2	7/1/2008
Calcium	190	0.2		mg/L	2	7/1/2008
Chromium	ND	0.004		mg/L	2	7/1/2008
Cobalt	ND	0.004		mg/L	2	7/2/2008
Copper	0.017	0.01		mg/L	2	7/1/2008
Iron	3.2	0.1		mg/L	2	7/1/2008
Lead	0.0023	0.002		mg/L	2	7/1/2008
Magnesium	100	0.1		mg/L	2	7/1/2008
Manganese	0.42	0.004		mg/L	2	7/1/2008
Nickel	0.015	0.004		mg/L	2	7/1/2008
Potassium	4.4	0.1		mg/L	2	7/1/2008
Selenium	ND	0.004		mg/L	2	7/1/2008
Silver	ND	0.004		mg/L	2	7/1/2008
Sodium	120	0.1		mg/L	2	7/1/2008
Thallium	ND	0.004		mg/L	2	7/1/2008
Vanadium	ND	0.004		mg/L	2	7/2/2008
Zinc	ND	0.02		mg/L	2	7/2/2008

Qualifiers:
ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank
HT - Sample received past holding time
* - Non-accredited parameter
RL - Reporting / Quantitation Limit for the analysis
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Reported: August 19, 2008
Date Printed: August 19, 2008

Client: Illinois Environmental Protection Agency
Lab Order: 08060960
Project: PR50, 0971255020, North Chicago
Lab ID: 08060960-008

Client Sample ID: MW-102
Collection Date: 6/25/2008 10:25:00 AM
Matrix: Water

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	**SW7470A**			Prep Date: **6/30/2008**		Analyst: **VA**
Mercury	ND	0.00025		mg/L	1	6/30/2008
Metals by ICP/MS	**SW6020 (SW3005A)**			Prep Date: **6/30/2008**		Analyst: **BJA**
Aluminum	0.88	0.04		mg/L	2	7/1/2008
Antimony	ND	0.006		mg/L	2	7/1/2008
Arsenic	0.0057	0.004		mg/L	2	7/1/2008
Barium	0.56	0.004		mg/L	2	7/1/2008
Beryllium	ND	0.002		mg/L	2	7/1/2008
Cadmium	ND	0.002		mg/L	2	7/1/2008
Calcium	140	0.2		mg/L	2	7/1/2008
Chromium	ND	0.004		mg/L	2	7/1/2008
Cobalt	ND	0.004		mg/L	2	7/2/2008
Copper	0.011	0.01		mg/L	2	7/1/2008
Iron	14	0.1		mg/L	2	7/1/2008
Lead	0.0042	0.002		mg/L	2	7/1/2008
Magnesium	62	0.1		mg/L	2	7/1/2008
Manganese	0.21	0.004		mg/L	2	7/1/2008
Nickel	0.0051	0.004		mg/L	2	7/1/2008
Potassium	6.8	0.1		mg/L	2	7/1/2008
Selenium	ND	0.004		mg/L	2	7/1/2008
Silver	ND	0.004		mg/L	2	7/1/2008
Sodium	150	0.1		mg/L	2	7/1/2008
Thallium	ND	0.004		mg/L	2	7/1/2008
Vanadium	ND	0.004		mg/L	2	7/2/2008
Zinc	ND	0.02		mg/L	2	7/2/2008
Cyanide, Total	**SW9012A**			Prep Date: **7/3/2008**		Analyst: **YZ**
Cyanide	0.014	0.005		mg/L	1	7/3/2008

Qualifiers:
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J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
HT - Sample received past holding time
* - Non-accredited parameter
RL - Reporting / Quantitation Limit for the analysis
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
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Date Reported: August 19, 2008
Date Printed: August 19, 2008

Client: Illinois Environmental Protection Agency
Lab Order: 08060960
Project: PR50, 0971255020, North Chicago
Lab ID: 08060960-009

Client Sample ID: MW-104
Collection Date: 6/25/2008 9:40:00 AM
Matrix: Water

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	**SW7470A**			Prep Date: **6/30/2008**		Analyst: **VA**
Mercury	ND	0.00025		mg/L	1	6/30/2008
Metals by ICP/MS	**SW6020 (SW3005A)**			Prep Date: **6/30/2008**		Analyst: **BJA**
Aluminum	2.4	0.04		mg/L	2	7/1/2008
Antimony	ND	0.006		mg/L	2	7/1/2008
Arsenic	ND	0.004		mg/L	2	7/1/2008
Barium	0.12	0.004		mg/L	2	7/1/2008
Beryllium	ND	0.002		mg/L	2	7/1/2008
Cadmium	ND	0.002		mg/L	2	7/1/2008
Calcium	120	0.2		mg/L	2	7/1/2008
Chromium	ND	0.004		mg/L	2	7/1/2008
Cobalt	ND	0.004		mg/L	2	7/2/2008
Copper	ND	0.01		mg/L	2	7/1/2008
Iron	5.9	0.1		mg/L	2	7/1/2008
Lead	0.0045	0.002		mg/L	2	7/1/2008
Magnesium	44	0.1		mg/L	2	7/1/2008
Manganese	0.22	0.004		mg/L	2	7/1/2008
Nickel	0.01	0.004		mg/L	2	7/1/2008
Potassium	5	0.1		mg/L	2	7/1/2008
Selenium	ND	0.004		mg/L	2	7/1/2008
Silver	ND	0.004		mg/L	2	7/1/2008
Sodium	9.6	0.1		mg/L	2	7/1/2008
Thallium	ND	0.004		mg/L	2	7/1/2008
Vanadium	ND	0.004		mg/L	2	7/2/2008
Zinc	ND	0.02		mg/L	2	7/2/2008

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
HT - Sample received past holding time
* - Non-accredited parameter
RL - Reporting / Quantitation Limit for the analysis
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H - Holding time exceeded

Illinois Environmental Protection Agency Chain of Custody

Preservative Codes	Container Description: Soil	Container Description: Aqueous
1. None		
2 VOA - HCl	VOC - 2 oz. glass (2)	VOC - 40 mL glass (3)
3 Metals - HNO3	SVOC - 8 oz. glass (1)	SVOC, Pest/PCB - 40 oz amber glass (1)*
4 Cyanide - NaOH	Pest/PCB - 8 oz. glass (1)	
5 Other	Inorganics - 16 oz. glass (1)	Inorganics - 1 qt. plastic (1)
6 Other		* duplicate 1 out of 10

Fund:	LPC#:	Locality:	Cooler Initially Sealed By:	Date Initially Sealed
PR50	0971255020		[signature]	5-24-08
Section	**Site Name:**	**Project Manager:**	**Phone Number**	**Initial Cooler Seal #**
	North Chicago	Jim Salch	217-785-8726	001

(a.k.a Chemical Packing)

Lab Sample No.	Parameter Group: Total Metals	Mercury	Cyanide	pH	FOC	TPH	Field Sample Number	Matrix	No. of Bottles	Date Collected	Time Collected (24 hr clock)	Sampler's Initials	Special Notations	Legal Hold Y or N
001	✓	✓	✓	✓			MW-101	Soil	1	6-25-08	11:45	JA		
002						✓	X-109	Soil	1	6-25-08	12:45	JA		
003	✓	✓	✓	✓			X-119 R	Soil	1	6-25-08	10:40	JA		
~~004~~ 6/26							~~[illegible]~~							
004					✓		MW-104	Soil	1	6-25-08	9:30	JA		
005	✓	✓	✓	✓			X-130R	Soil	1	6-25-08	10:15	JA		
006	✓	✓	✓				MW-103	Water	4	6-25-08	12:00	JW	MS/MSD	
007	✓	✓					MW-101	Water	1	6-25-08	9:15	JW		
008	✓	✓	✓				MW-102	Water	2	6-25-08	10:25	JW		
009	✓	✓					MW-104	Water	1	6-25-08	9:40	JW		

Opener: I certify that I received the sample shipping container with the shipping container sealed and intact.

Cooler Opened by:	Seal No:	Date:	Time:	Intact
James M. Salch	001	6-25-08	08:00	Y N
[signature]	002	6/26/08	1400	Y N

Sealer: I certify that the samples listed above were collected in my presence and sealed by me.

Cooler Sealed By:	Seal No.:	Date:	Time:
James M. Salch	002	6-25-08	15:30

I certify that I received the cooler containing the above samples with the seal(s) intact.

Received for Lab by:	Seal No:	Date:	Time:	Intact:
[signature]		6/26/08	1400	Y N

Lab Comments: 08060960

Supervisor Releasing Results: Date:

Sample Courier: UPS

Turnaround Time Requested: 30 Days

Samplers: Jim Salch

Jerry Willman

STAT Analysis Corporation

Sample Receipt Checklist

Client Name IEPA

Date and Time Received: 6/26/2008 2:00:00 PM

Work Order Number 08060960

Received by: CDF

Checklist completed by: Signature Date 6/26/08

Reviewed by: MAK Initials 7/2/08 Date

Matrix:

Carrier name: UPS

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/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 ☐	
Container or Temp Blank temperature in compliance?	Yes ☑	No ☐	Temperature 3.6 °C
Water - VOA vials have zero headspace?	No VOA vials submitted ☑	Yes ☐	No ☐
Water - Samples pH checked?	Yes ☑	No ☐	Checked by: CT
Water - Samples properly preserved?	Yes ☑	No ☐	pH Adjusted? NO

Any No response must be detailed in the comments section below.

Comments: UNPRESERVED CONTAINER for pH ANALYSIS OF SAMPLE MW-102 NOT SUBMITTED.

Client / Person contacted: Date contacted: Contacted by:

Response:

Craig Chawla

From: Salch, Jim [Jim.Salch@Illinois.gov]
Sent: Thursday, August 07, 2008 1:43 PM
To: Craig Chawla
Subject: RE: PR50, 0971255020, North Chicago 08060288

Just wanted to make sure you got my last message regarding the TCLP analysis of X-130R. If you could run the 8 RCRA metals like before that would be ok. Thanks again!

08060960-005

1

STAT Analysis Corporation

PREP BATCH REPORT

Prep Start Date: **6/26/2008 11:25:14**
Prep End Date: **6/30/2008 9:11:13 A**

Prep Batch **35966** Prep Code: **3580_TPH** Technician: **PM**

Prep Factor Units: **mL / Kg**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
MB-35966-TPH			0.005	0	0	5	1000.000	6/26/2008	6/26/2008
LCS-35966-TPH			0.005	0	0	5	1000.000	6/26/2008	6/26/2008
08060920-001A	Paper		0.00111	0	0	5	4504.505	6/26/2008	6/26/2008
08060920-002A	Paper		0.001	0	0	5	5000.000	6/26/2008	6/26/2008
08060920-003A	Paper		0.00101	0	0	5	4950.495	6/26/2008	6/26/2008
08060920-004A	Paper		0.00111	0	0	5	4504.505	6/26/2008	6/26/2008
08060920-005A	Paper		0.001	0	0	5	5000.000	6/26/2008	6/26/2008
08060920-006A	Paper		0.00104	0	0	5	4807.692	6/26/2008	6/26/2008
08060920-001AMS	Paper		0.00108	0	0	5	4629.630	6/26/2008	6/26/2008
08060920-001AMSD	Paper		0.0011	0	0	5	4545.455	6/26/2008	6/26/2008
08060944-001B	Soil		0.00521	0	0	5	959.693	6/26/2008	6/27/2008
08060944-002B	Soil		0.00524	0	0	5	954.198	6/26/2008	6/27/2008
08060944-003B	Soil		0.00522	0	0	5	957.854	6/26/2008	6/27/2008
08060944-004B	Soil		0.00527	0	0	5	948.767	6/26/2008	6/27/2008
08060944-005B	Soil		0.0055	0	0	5	909.091	6/26/2008	6/27/2008
08060944-006B	Soil		0.00515	0	0	5	970.874	6/26/2008	6/27/2008
08060944-007B	Soil		0.00513	0	0	5	974.659	6/26/2008	6/27/2008
08060944-008B	Soil		0.0055	0	0	5	909.091	6/26/2008	6/27/2008
08060944-009B	Soil		0.00511	0	0	5	978.474	6/26/2008	6/27/2008
08060944-010B	Soil		0.00583	0	0	5	857.633	6/26/2008	6/27/2008
08060944-010BMS	Soil		0.00592	0	0	5	844.595	6/26/2008	6/27/2008
08060944-010BMSD	Soil		0.00583	0	0	5	857.633	6/26/2008	6/27/2008
08060944-011B	Soil		0.00513	0	0	5	974.659	6/26/2008	6/27/2008
08060960-002A	Soil		0.00506	0	0	5	988.142	6/26/2008	6/27/2008

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060960
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: 35966

Sample ID: **MB-35966-TPH** SampType: **MBLK** TestCode: **TPH** Units: **mg/Kg** Prep Date: **6/26/2008** Run ID: **GC-FID_080626A**
Client ID: ZZZZZ Batch ID: **35966** TestNo: **SW8015M** Analysis Date: **6/27/2008** SeqNo: **1166218**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (GRO)	ND	20									
TPH (DRO)	ND	20									
TPH (ERO)	ND	20									*

Sample ID: **LCS-35966-TPH** SampType: **LCS** TestCode: **TPH** Units: **mg/Kg** Prep Date: **6/26/2008** Run ID: **GC-FID_080626A**
Client ID: ZZZZZ Batch ID: **35966** TestNo: **SW8015M** Analysis Date: **6/27/2008** SeqNo: **1166219**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (GRO)	183.2	20	200	0	91.6	30	150	0	0		
TPH (DRO)	168.6	20	200	0	84.3	30	150	0	0		
TPH (ERO)	250.7	20	200	0	125	30	150	0	0		*

Sample ID: **08060920-001AMS** SampType: **MS** TestCode: **TPH** Units: **mg/Kg** Prep Date: **6/26/2008** Run ID: **GC-FID_080626A**
Client ID: ZZZZZ Batch ID: **35966** TestNo: **SW8015M** Analysis Date: **6/27/2008** SeqNo: **1166458**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (GRO)	851	93	925.9	0	91.9	30	150	0	0		
TPH (DRO)	793.4	93	925.9	30.07	82.4	30	150	0	0		
TPH (ERO)	1393	93	925.9	567.7	89.2	30	150	0	0		*

Sample ID: **08060944-010BMS** SampType: **MS** TestCode: **TPH** Units: **mg/Kg-dry** Prep Date: **6/26/2008** Run ID: **GC-FID_080626A**
Client ID: ZZZZZ Batch ID: **35966** TestNo: **SW8015M** Analysis Date: **6/28/2008** SeqNo: **1167455**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (GRO)	4571	23	228.9	2986	693	30	150	0	0		S
TPH (DRO)	2843	23	228.9	1853	433	30	150	0	0		S
TPH (ERO)	496	23	228.9	31.61	203	30	150	0	0		S*

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded
B - Analyte detected in the associated Method Blank
E - Value above quantitation range

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060960
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: 35966

Sample ID: **08060920-001AMSD** SampType: **MSD** TestCode: **TPH** Units: **mg/Kg** Prep Date: **6/26/2008** Run ID: **GC-FID_080626A**
Client ID: **ZZZZZ** Batch ID: **35966** TestNo: **SW8015M** Analysis Date: **6/27/2008** SeqNo: **1166459**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (GRO)	948.9	91	909.1	0	104	30	150	851	10.9	25	
TPH (DRO)	1169	91	909.1	30.07	125	30	150	793.4	38.2	25	R
TPH (ERO)	1870	91	909.1	567.7	143	30	150	1393	29.2	25	R*

Sample ID: **08060944-010BMSD** SampType: **MSD** TestCode: **TPH** Units: **mg/Kg-dry** Prep Date: **6/26/2008** Run ID: **GC-FID_080626A**
Client ID: **ZZZZZ** Batch ID: **35966** TestNo: **SW8015M** Analysis Date: **6/28/2008** SeqNo: **1167457**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH (GRO)	3537	23	232.4	2986	237	30	150	4571	25.5	25	SR
TPH (DRO)	2232	23	232.4	1853	163	30	150	2843	24.1	25	S
TPH (ERO)	362.2	23	232.4	31.61	142	30	150	496	31.2	25	R*

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded
B - Analyte detected in the associated Method Blank
E - Value above quantitation range

STAT Analysis Corporation

PREP BATCH REPORT

Prep Start Date: **7/1/2008 9:00:00 AM**
Prep End Date: **7/1/2008 12:10:00 P**

Prep Batch **36047** Prep Code: **M_S_PREP** Technician: **PN**

Prep Factor Units: **mL / g**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
IMBS2 6/30/08			1	0	0	50	50.000	6/30/2008	6/30/2008
ILCSS2 6/30/08			1	0	0	50	50.000	6/30/2008	6/30/2008
08060905-001B	Soil		1.118	0	0	50	44.723	6/30/2008	6/30/2008
08060905-002B	Soil		1.044	0	0	50	47.893	6/30/2008	6/30/2008
08060905-003B	Soil		1.023	0	0	50	48.876	6/30/2008	6/30/2008
08060905-004B	Soil		1.04	0	0	50	48.077	6/30/2008	6/30/2008
08060905-005B	Soil		1.042	0	0	50	47.985	6/30/2008	6/30/2008
08060907-001B	Soil		1.049	0	0	50	47.664	6/30/2008	6/30/2008
08060908-001B	Soil		1.025	0	0	50	48.780	6/30/2008	6/30/2008
08060960-001A	Soil		1.047	0	0	50	47.755	6/30/2008	6/30/2008
08060960-003A	Soil		1.048	0	0	50	47.710	6/30/2008	6/30/2008
08060960-005A	Soil		1.048	0	0	50	47.710	6/30/2008	6/30/2008
08060978-003A	Sludge		1.113	0	0	50	44.924	6/30/2008	6/30/2008
08060908-001BMS	Soil		1.023	0	0	50	48.876	6/30/2008	6/30/2008
08060908-001BMSD	Soil		1.021	0	0	50	48.972	6/30/2008	6/30/2008
08060978-004A	Liquid		1.022	0	0	50	48.924	7/1/2008	7/1/2008
08061014-001A	Soil		1.056	0	0	50	47.348	7/1/2008	7/1/2008
08061032-001B	Soil		1.081	0	0	50	46.253	7/1/2008	7/1/2008
08061032-002B	Soil		1.06	0	0	50	47.170	7/1/2008	7/1/2008
08061032-003B	Soil		1.041	0	0	50	48.031	7/1/2008	7/1/2008
08061033-001B	Soil		1.08	0	0	50	46.296	7/1/2008	7/1/2008
08061033-002B	Soil		1.055	0	0	50	47.393	7/1/2008	7/1/2008
08061033-003B	Soil		1.077	0	0	50	46.425	7/1/2008	7/1/2008
08061033-004B	Soil		1.059	0	0	50	47.214	7/1/2008	7/1/2008

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060960
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: 36047

Sample ID: **IMBS2 6/30/08** SampType: **MBLK** TestCode: **M_ICPMS_S** Units: **mg/Kg** Prep Date: **6/30/2008** Run ID: **ICPMS-2_080701A**
Client ID: **ZZZZZ** Batch ID: **36047** TestNo: **SW6020** Analysis Date: **7/1/2008** SeqNo: **1168669**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	ND	30									
Magnesium	ND	15									
Vanadium	ND	0.50									

Sample ID: **IMBS2 6/30/08** SampType: **MBLK** TestCode: **M_ICPMS_S** Units: **mg/Kg** Prep Date: **6/30/2008** Run ID: **ICPMS_080702A**
Client ID: **ZZZZZ** Batch ID: **36047** TestNo: **SW6020** Analysis Date: **7/2/2008** SeqNo: **1169425**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	10									
Antimony	ND	1.0									
Arsenic	ND	0.50									
Barium	0.245	0.50									J
Beryllium	0.1935	0.25									J
Cadmium	0.151	0.25									J
Chromium	ND	0.50									
Cobalt	ND	0.50									
Copper	ND	1.2									
Iron	ND	15									
Lead	ND	0.25									
Manganese	ND	0.50									
Nickel	ND	0.50									
Potassium	ND	15									
Selenium	ND	0.50									
Silver	ND	0.50									
Sodium	ND	30									
Thallium	ND	0.50									
Zinc	ND	2.5									

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded
B - Analyte detected in the associated Method Blank
E - Value above quantitation range

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060960
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: 36047

Sample ID: **ILCSS2 6/30/08** SampType: **LCS** TestCode: **M_ICPMS_S** Units: **mg/Kg** Prep Date: **6/30/2008** Run ID: **ICPMS-2_080701A**
Client ID: **ZZZZZ** Batch ID: **36047** TestNo: **SW6020** Analysis Date: **7/1/2008** SeqNo: **1168670**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	93.4	30	100	0	93.4	80	120	0	0		
Magnesium	104	15	100	0	104	80	120	0	0		
Vanadium	24.98	0.50	25	0	99.9	80	120	0	0		

Sample ID: **ILCSS2 6/30/08** SampType: **LCS** TestCode: **M_ICPMS_S** Units: **mg/Kg** Prep Date: **6/30/2008** Run ID: **ICPMS_080702A**
Client ID: **ZZZZZ** Batch ID: **36047** TestNo: **SW6020** Analysis Date: **7/2/2008** SeqNo: **1169426**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	28.91	10	25	0	116	80	120	0	0		
Antimony	18.22	1.0	12.5	0	146	80	120	0	0		S
Arsenic	25.12	0.50	25	0	101	80	120	0	0		
Barium	26.18	0.50	25	0.245	104	80	120	0	0		
Beryllium	23.64	0.25	25	0.1935	93.8	80	120	0	0		
Cadmium	24.68	0.25	25	0.151	98.1	80	120	0	0		
Chromium	27.58	0.50	25	0	110	80	120	0	0		
Cobalt	27.54	0.50	25	0	110	80	120	0	0		
Copper	27.44	1.2	25	0	110	80	120	0	0		
Iron	110.2	15	100	0	110	80	120	0	0		
Lead	26.28	0.25	25	0	105	80	120	0	0		
Magnesium	111	15	100	0	111	80	120	0	0		
Nickel	27.22	0.50	25	0	109	80	120	0	0		
Potassium	115	15	100	0	115	80	120	0	0		
Selenium	24.1	0.50	25	0	96.4	80	120	0	0		
Silver	10.47	0.50	10	0	105	80	120	0	0		
Sodium	114.2	30	100	0	114	80	120	0	0		
Thallium	25.7	0.50	25	0	103	80	120	0	0		
Zinc	25.17	2.5	25	0	101	80	120	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded
B - Analyte detected in the associated Method Blank
E - Value above quantitation range

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060960
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: 36047

Sample ID: **08060908-001BMS** SampType: **MS** TestCode: **M_ICPMS_S** Units: **mg/Kg-dry** Prep Date: **6/30/2008** Run ID: **ICPMS-2_080701A**
Client ID: **ZZZZZ** Batch ID: **36047** TestNo: **SW6020** Analysis Date: **7/1/2008** SeqNo: **1168672**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	35510	130	214.4	34160	631	75	125	0	0		S
Magnesium	13590	64	214.4	13250	157	75	125	0	0		S
Vanadium	66.2	2.1	53.59	10.74	103	75	125	0	0		

Sample ID: **08060908-001BMS** SampType: **MS** TestCode: **M_ICPMS_S** Units: **mg/Kg-dry** Prep Date: **6/30/2008** Run ID: **ICPMS_080702A**
Client ID: **ZZZZZ** Batch ID: **36047** TestNo: **SW6020** Analysis Date: **7/2/2008** SeqNo: **1169427**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	5487	43	53.59	5279	387	75	125	0	0		S
Antimony	22.36	4.3	26.8	4.13	68	75	125	0	0		S
Arsenic	65.78	2.1	53.59	9.366	105	75	125	0	0		
Barium	174.5	2.1	53.59	118.1	105	75	125	0	0		
Beryllium	57.8	1.1	53.59	1.153	106	75	125	0	0		
Cadmium	56.38	1.1	53.59	1.598	102	75	125	0	0		
Chromium	77.84	2.1	53.59	17.65	112	75	125	0	0		
Cobalt	60.72	2.1	53.59	3.864	106	75	125	0	0		
Copper	95.95	5.4	53.59	43	98.8	75	125	0	0		
Iron	10910	64	214.4	10840	34.9	75	125	0	0		S
Lead	97.23	1.1	53.59	37.16	112	75	125	0	0		
Magnesium	14980	64	214.4	16160	-550	75	125	0	0		S
Nickel	66.78	2.1	53.59	12.76	101	75	125	0	0		
Potassium	6146	64	214.4	6351	-95.7	75	125	0	0		S
Selenium	56.05	2.1	53.59	0	105	75	125	0	0		
Silver	22.56	2.1	21.44	0	105	75	125	0	0		
Sodium	1130	130	214.4	999.6	60.7	75	125	0	0		S
Thallium	58.4	2.1	53.59	0.3755	108	75	125	0	0		
Zinc	170	11	53.59	122.9	87.8	75	125	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded
B - Analyte detected in the associated Method Blank
E - Value above quantitation range

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060960
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: 36047

Sample ID: **08060908-001BMSD** SampType: **MSD** TestCode: **M_ICPMS_S** Units: **mg/Kg-dry** Prep Date: **6/30/2008** Run ID: **ICPMS-2_080701A**
Client ID: **ZZZZZ** Batch ID: **36047** TestNo: **SW6020** Analysis Date: **7/1/2008** SeqNo: **1168673**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	34380	130	214.8	34160	102	75	125	35510	3.24	20	
Magnesium	13700	64	214.8	13250	209	75	125	13590	0.825	20	S
Vanadium	64.01	2.1	53.7	10.74	99.2	75	125	66.2	3.36	20	

Sample ID: **08060908-001BMSD** SampType: **MSD** TestCode: **M_ICPMS_S** Units: **mg/Kg-dry** Prep Date: **6/30/2008** Run ID: **ICPMS_080702A**
Client ID: **ZZZZZ** Batch ID: **36047** TestNo: **SW6020** Analysis Date: **7/2/2008** SeqNo: **1169428**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	5466	43	53.7	5279	349	75	125	5487	0.372	20	S
Antimony	21.4	4.3	26.85	4.13	64.3	75	125	22.36	4.36	20	S
Arsenic	64.86	2.1	53.7	9.366	103	75	125	65.78	1.41	20	
Barium	159.6	2.1	53.7	118.1	77.3	75	125	174.5	8.92	20	
Beryllium	54.71	1.1	53.7	1.153	99.7	75	125	57.8	5.51	20	
Cadmium	54.26	1.1	53.7	1.598	98.1	75	125	56.38	3.84	20	
Chromium	72.8	2.1	53.7	17.65	103	75	125	77.84	6.68	20	
Cobalt	58.78	2.1	53.7	3.864	102	75	125	60.72	3.25	20	
Copper	91.96	5.4	53.7	43	91.2	75	125	95.95	4.25	20	
Iron	10740	64	214.8	10840	-45.2	75	125	10910	1.59	20	S
Lead	102.3	1.1	53.7	37.16	121	75	125	97.23	5.07	20	
Magnesium	15150	64	214.8	16160	-471	75	125	14980	1.12	20	S
Nickel	65.9	2.1	53.7	12.76	99	75	125	66.78	1.32	20	
Potassium	5951	64	214.8	6351	-186	75	125	6146	3.23	20	S
Selenium	55.29	2.1	53.7	0	103	75	125	56.05	1.37	20	
Silver	21.95	2.1	21.48	0	102	75	125	22.56	2.74	20	
Sodium	1079	130	214.8	999.6	37.1	75	125	1130	4.56	20	S
Thallium	56.24	2.1	53.7	0.3755	104	75	125	58.4	3.77	20	
Zinc	167.1	11	53.7	122.9	82.3	75	125	170	1.71	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded
B - Analyte detected in the associated Method Blank
E - Value above quantitation range

STAT Analysis Corporation

PREP BATCH REPORT

Prep Start Date: **7/1/2008 10:20:00 A**
Prep End Date: **7/1/2008 12:00:00 P**

Prep Batch **36048** Prep Code: **M_W_PREP** Technician: **PN**

Prep Factor Units: **mL / mL**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
IMBW1 6/30/08			50	0	0	50	1.000	6/30/2008	6/30/2008
ILCSW1 6/30/08			50	0	0	50	1.000	6/30/2008	6/30/2008
IMBTCLP1 6/27/08			50	0	0	50	1.000	6/30/2008	6/30/2008
08060949-001A	Sludge		50	0	0	50	1.000	6/30/2008	6/30/2008
08060954-001A	Solid		50	0	0	50	1.000	6/30/2008	6/30/2008
08060958-001A	Soil		50	0	0	50	1.000	6/30/2008	6/30/2008
08060958-002A	Soil		50	0	0	50	1.000	6/30/2008	6/30/2008
08060958-003A	Soil		50	0	0	50	1.000	6/30/2008	6/30/2008
08060958-004A	Soil		50	0	0	50	1.000	6/30/2008	6/30/2008
08060960-006A	Water		50	0	0	50	1.000	6/30/2008	6/30/2008
08060960-006AMS	Water		50	0	0	50	1.000	6/30/2008	6/30/2008
08060960-006AMSD	Water		50	0	0	50	1.000	6/30/2008	6/30/2008
08060960-007A	Water		50	0	0	50	1.000	6/30/2008	6/30/2008
08060960-008A	Water		50	0	0	50	1.000	6/30/2008	6/30/2008
08060960-009A	Water		50	0	0	50	1.000	6/30/2008	6/30/2008
08060975-001A	Solid		50	0	0	50	1.000	6/30/2008	6/30/2008
08060624-001A	Sludge		50	0	0	50	1.000	6/30/2008	6/30/2008
08060624-001AMS	Sludge		50	0	0	50	1.000	6/30/2008	6/30/2008
08060958-001AMS	Soil		50	0	0	50	1.000	6/30/2008	6/30/2008
xxxx1	Solid		50	0	0	50	1.000	7/1/2008	7/1/2008
xxxx2	Soil		50	0	0	50	1.000	7/1/2008	7/1/2008
xxxx3	Soil		50	0	0	50	1.000	7/1/2008	7/1/2008
xxxx4	Water		50	0	0	50	1.000	7/1/2008	7/1/2008
xxxx5	Solid		50	0	0	50	1.000	7/1/2008	7/1/2008
xxxx6	Soil		50	0	0	50	1.000	7/1/2008	7/1/2008

STAT Analysis Corporation

PREP BATCH REPORT

Prep Start Date: **7/1/2008 10:20:00 A**
Prep End Date: **7/1/2008 12:00:00 P**

Prep Batch **36048** Prep Code: **M_W_PREP** Technician: **PN**

Prep Factor Units: **mL / mL**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
xxxx7	Soil		50	0	0	50	1.000	7/1/2008	7/1/2008
xxxx8	Soil		50	0	0	50	1.000	7/1/2008	7/1/2008
xxxx9	Soil		50	0	0	50	1.000	7/1/2008	7/1/2008
xxxx10	Soil		50	0	0	50	1.000	7/1/2008	7/1/2008
xxxx11	Soil		50	0	0	50	1.000	7/1/2008	7/1/2008
xxxx12	Soil		50	0	0	50	1.000	7/1/2008	7/1/2008
xxxx13	Water		50	0	0	50	1.000	7/1/2008	7/1/2008
xxxx14	Solid		50	0	0	50	1.000	7/1/2008	7/1/2008
xxxx15	Solid		50	0	0	50	1.000	7/1/2008	7/1/2008
xxxx16	Solid		50	0	0	50	1.000	7/1/2008	7/1/2008
xxxx17	Solid		50	0	0	50	1.000	7/1/2008	7/1/2008
xxxx18	Solid		50	0	0	50	1.000	7/1/2008	7/1/2008
xxxx19	Sludge		50	0	0	50	1.000	7/1/2008	7/1/2008
xxxx20	Soil		50	0	0	50	1.000	7/1/2008	7/1/2008
08060978-001A	Liquid		20	0	0	50	2.500	7/1/2008	7/1/2008
08060978-002A	Liquid		20	0	0	50	2.500	7/1/2008	7/1/2008

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060960
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: 36048

Sample ID: **IMBW1 6/30/08** SampType: **MBLK** TestCode: **M_ICPMS_W** Units: **mg/L** Prep Date: **6/30/2008** Run ID: **ICPMS_080701A**
Client ID: **ZZZZZ** Batch ID: **36048** TestNo: **SW6020** Analysis Date: **7/1/2008** SeqNo: **1168631**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	0.040									
Antimony	ND	0.0060									
Arsenic	ND	0.0040									
Barium	ND	0.0040									
Beryllium	ND	0.0020									
Cadmium	ND	0.0020									
Calcium	ND	0.20									
Chromium	ND	0.0040									
Copper	ND	0.010									
Iron	ND	0.10									
Lead	0.00152	0.0020									J
Magnesium	ND	0.10									
Manganese	ND	0.0040									
Nickel	ND	0.0040									
Potassium	ND	0.10									
Selenium	ND	0.0040									
Silver	ND	0.0040									
Sodium	ND	0.30									
Thallium	0.00133	0.0020									J

Sample ID: **IMBW1 6/30/08** SampType: **MBLK** TestCode: **M_ICPMS_W** Units: **mg/L** Prep Date: **6/30/2008** Run ID: **ICPMS_080702A**
Client ID: **ZZZZZ** Batch ID: **36048** TestNo: **SW6020** Analysis Date: **7/2/2008** SeqNo: **1169753**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cobalt	ND	0.0040									
Vanadium	ND	0.0040									
Zinc	0.01613	0.020									J

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded
B - Analyte detected in the associated Method Blank
E - Value above quantitation range

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060960
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: 36048

Sample ID: **ILCSW1 6/30/08** SampType: **LCS** TestCode: **M_ICPMS_W** Units: **mg/L** Prep Date: **6/30/2008** Run ID: **ICPMS_080701A**
Client ID: ZZZZZ Batch ID: **36048** TestNo: **SW6020** Analysis Date: **7/1/2008** SeqNo: **1168632**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	0.5141	0.040	0.5	0	103	80	120	0	0		
Antimony	0.3674	0.0060	0.25	0	147	80	120	0	0		S
Arsenic	0.4837	0.0040	0.5	0	96.7	80	120	0	0		
Barium	0.5	0.0040	0.5	0	100	80	120	0	0		
Beryllium	0.443	0.0020	0.5	0	88.6	80	120	0	0		
Cadmium	0.49	0.0020	0.5	0	98	80	120	0	0		
Calcium	2.068	0.20	2	0	103	80	120	0	0		
Chromium	0.5	0.0040	0.5	0	100	80	120	0	0		
Copper	0.5085	0.010	0.5	0	102	80	120	0	0		
Iron	2.063	0.10	2	0	103	80	120	0	0		
Lead	0.5009	0.0020	0.5	0.00152	99.9	80	120	0	0		
Magnesium	1.985	0.10	2	0	99.2	80	120	0	0		
Manganese	0.505	0.0040	0.5	0	101	80	120	0	0		
Nickel	0.5155	0.0040	0.5	0	103	80	120	0	0		
Potassium	2.074	0.10	2	0	104	80	120	0	0		
Selenium	0.4788	0.0040	0.5	0	95.8	80	120	0	0		
Silver	0.197	0.0040	0.2	0	98.5	80	120	0	0		
Sodium	2.232	0.30	2	0	112	80	120	0	0		
Thallium	0.4829	0.0020	0.5	0.00133	96.3	80	120	0	0		

Sample ID: **ILCSW1 6/30/08** SampType: **LCS** TestCode: **M_ICPMS_W** Units: **mg/L** Prep Date: **6/30/2008** Run ID: **ICPMS_080702A**
Client ID: ZZZZZ Batch ID: **36048** TestNo: **SW6020** Analysis Date: **7/2/2008** SeqNo: **1169754**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cobalt	0.4828	0.0040	0.5	0	96.6	80	120	0	0		
Vanadium	0.4888	0.0040	0.5	0	97.8	80	120	0	0		
Zinc	0.4741	0.020	0.5	0.01613	91.6	80	120	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded
B - Analyte detected in the associated Method Blank
E - Value above quantitation range

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060960
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: 36048

Sample ID: **08060960-006AMS** SampType: **MS** TestCode: **M_ICPMS_W** Units: **mg/L** Prep Date: **6/30/2008** Run ID: **ICPMS_080701A**
Client ID: **MW-103** Batch ID: **36048** TestNo: **SW6020** Analysis Date: **7/1/2008** SeqNo: **1168634**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	0.5504	0.040	0.5	0.0246	105	75	125	0	0		
Antimony	0.3907	0.0060	0.25	0	156	75	125	0	0		S
Arsenic	0.519	0.0040	0.5	0.00252	103	75	125	0	0		
Barium	0.594	0.0040	0.5	0.0575	107	75	125	0	0		
Beryllium	0.4766	0.0020	0.5	0	95.3	75	125	0	0		
Cadmium	0.5071	0.0020	0.5	0.00068	101	75	125	0	0		
Calcium	98.01	0.20	2	96.46	77.5	75	125	0	0		
Chromium	0.5239	0.0040	0.5	0	105	75	125	0	0		
Copper	0.5058	0.010	0.5	0.00341	100	75	125	0	0		
Iron	4.384	0.10	2	2.163	111	75	125	0	0		
Lead	0.5446	0.0020	0.5	0.00136	109	75	125	0	0		
Magnesium	56.36	0.10	2	54	118	75	125	0	0		
Manganese	0.5538	0.0040	0.5	0.03065	105	75	125	0	0		
Nickel	0.5133	0.0040	0.5	0.00325	102	75	125	0	0		
Potassium	4.314	0.10	2	2.182	107	75	125	0	0		
Selenium	0.4989	0.0040	0.5	0	99.8	75	125	0	0		
Silver	0.2028	0.0040	0.2	0	101	75	125	0	0		
Sodium	37.1	0.30	2	34.62	124	75	125	0	0		
Thallium	0.5302	0.0020	0.5	0.00262	106	75	125	0	0		

Sample ID: **08060960-006AMS** SampType: **MS** TestCode: **M_ICPMS_W** Units: **mg/L** Prep Date: **6/30/2008** Run ID: **ICPMS_080702A**
Client ID: **MW-103** Batch ID: **36048** TestNo: **SW6020** Analysis Date: **7/2/2008** SeqNo: **1169756**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cobalt	0.449	0.0040	0.5	0	89.8	75	125	0	0		
Vanadium	0.4757	0.0040	0.5	0	95.1	75	125	0	0		
Zinc	0.4176	0.020	0.5	0	83.5	75	125	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
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* - Non Accredited Parameter
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded
B - Analyte detected in the associated Method Blank
E - Value above quantitation range

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060960
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: 36048

Sample ID: **08060960-006AMSD** SampType: **MSD** TestCode: **M_ICPMS_W** Units: **mg/L** Prep Date: **6/30/2008** Run ID: **ICPMS_080701A**
Client ID: **MW-103** Batch ID: **36048** TestNo: **SW6020** Analysis Date: **7/1/2008** SeqNo: **1168635**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	0.5205	0.040	0.5	0.0246	99.2	75	125	0.5504	5.58	20	
Antimony	0.368	0.0060	0.25	0	147	75	125	0.3907	5.98	20	S
Arsenic	0.4982	0.0040	0.5	0.00252	99.1	75	125	0.519	4.09	20	
Barium	0.5588	0.0040	0.5	0.0575	100	75	125	0.594	6.11	20	
Beryllium	0.4496	0.0020	0.5	0	89.9	75	125	0.4766	5.83	20	
Cadmium	0.4819	0.0020	0.5	0.00068	96.2	75	125	0.5071	5.10	20	
Calcium	93.15	0.20	2	96.46	-166	75	125	98.01	5.08	20	S
Chromium	0.4934	0.0040	0.5	0	98.7	75	125	0.5239	6.00	20	
Copper	0.4878	0.010	0.5	0.00341	96.9	75	125	0.5058	3.62	20	
Iron	4.054	0.10	2	2.163	94.6	75	125	4.384	7.82	20	
Lead	0.5191	0.0020	0.5	0.00136	104	75	125	0.5446	4.79	20	
Magnesium	53.15	0.10	2	54	-42.5	75	125	56.36	5.86	20	S
Manganese	0.5176	0.0040	0.5	0.03065	97.4	75	125	0.5538	6.76	20	
Nickel	0.4877	0.0040	0.5	0.00325	96.9	75	125	0.5133	5.11	20	
Potassium	4.13	0.10	2	2.182	97.4	75	125	4.314	4.36	20	
Selenium	0.4719	0.0040	0.5	0	94.4	75	125	0.4989	5.56	20	
Silver	0.1944	0.0040	0.2	0	97.2	75	125	0.2028	4.23	20	
Sodium	35.1	0.30	2	34.62	24	75	125	37.1	5.54	20	S
Thallium	0.5074	0.0020	0.5	0.00262	101	75	125	0.5302	4.39	20	

Sample ID: **08060960-006AMSD** SampType: **MSD** TestCode: **M_ICPMS_W** Units: **mg/L** Prep Date: **6/30/2008** Run ID: **ICPMS_080702A**
Client ID: **MW-103** Batch ID: **36048** TestNo: **SW6020** Analysis Date: **7/2/2008** SeqNo: **1169757**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cobalt	0.4465	0.0040	0.5	0	89.3	75	125	0.449	0.558	20	
Vanadium	0.4761	0.0040	0.5	0	95.2	75	125	0.4757	0.0841	20	
Zinc	0.4234	0.020	0.5	0	84.7	75	125	0.4176	1.38	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded
B - Analyte detected in the associated Method Blank
E - Value above quantitation range

STAT Analysis Corporation

PREP BATCH REPORT

Prep Start Date: **8/18/2008 11:35:00**
Prep End Date: **8/18/2008 1:30:00 P**

Prep Batch **37004** Prep Code: **M_W_PREP** Technician: **PN**

Prep Factor Units: **mL / mL**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
IMBW1 8/18/08			50	0	0	50	1.000	8/18/2008	8/18/2008
ILCSW1 8/18/08			50	0	0	50	1.000	8/18/2008	8/18/2008
IMBTCLP1 8/15/08			50	0	0	50	1.000	8/18/2008	8/18/2008
08060960-005A	Soil		50	0	0	50	1.000	8/18/2008	8/18/2008
08080427-001A	Water		50	0	0	50	1.000	8/18/2008	8/18/2008
08080427-002A	Water		50	0	0	50	1.000	8/18/2008	8/18/2008
08080427-003A	Water		50	0	0	50	1.000	8/18/2008	8/18/2008
08080427-004A	Water		50	0	0	50	1.000	8/18/2008	8/18/2008
08080427-005A	Water		50	0	0	50	1.000	8/18/2008	8/18/2008
08080427-006A	Water		50	0	0	50	1.000	8/18/2008	8/18/2008
08080427-007A	Water		50	0	0	50	1.000	8/18/2008	8/18/2008
08080427-008B	Water		50	0	0	50	1.000	8/18/2008	8/18/2008
08080521-001A	Sludge		50	0	0	50	1.000	8/18/2008	8/18/2008
08080523-001A	Soil		50	0	0	50	1.000	8/18/2008	8/18/2008
08080523-002A	Soil		50	0	0	50	1.000	8/18/2008	8/18/2008
08080523-003A	Soil		50	0	0	50	1.000	8/18/2008	8/18/2008
08080524-001A	Soil		50	0	0	50	1.000	8/18/2008	8/18/2008
08080535-001A	Water		50	0	0	50	1.000	8/18/2008	8/18/2008
08080535-002A	Water		50	0	0	50	1.000	8/18/2008	8/18/2008
08080558-001A	Sludge		50	0	0	50	1.000	8/18/2008	8/18/2008
08080559-001A	Sludge		50	0	0	50	1.000	8/18/2008	8/18/2008
08080560-001A	Sludge		50	0	0	50	1.000	8/18/2008	8/18/2008
08080427-003AMS	Water		50	0	0	50	1.000	8/18/2008	8/18/2008
08080427-003AMSD	Water		50	0	0	50	1.000	8/18/2008	8/18/2008
08080523-001AMS	Soil		50	0	0	50	1.000	8/18/2008	8/18/2008

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060960
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: 37004

Sample ID: **IMBTCLP1 8/15/08** SampType: **MBLK** TestCode: **M_ICPMS_T+** Units: **mg/L** Prep Date: **8/18/2008** Run ID: **ICPMS-2_080818A**
Client ID: **ZZZZZ** Batch ID: **37004** TestNo: **SW1311/6020** Analysis Date: **8/18/2008** SeqNo: **1204313**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.010									
Barium	0.00772	0.020									J
Cadmium	ND	0.0050									
Chromium	ND	0.010									
Lead	ND	0.0050									
Selenium	ND	0.010									
Silver	ND	0.010									

Sample ID: **IMBW1 8/18/08** SampType: **MBLK** TestCode: **M_ICPMS_W** Units: **mg/L** Prep Date: **8/18/2008** Run ID: **ICPMS-2_080818A**
Client ID: **ZZZZZ** Batch ID: **37004** TestNo: **SW6020** Analysis Date: **8/18/2008** SeqNo: **1204314**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.0040									
Barium	ND	0.0040									
Cadmium	ND	0.0020									
Chromium	ND	0.0040									
Lead	ND	0.0020									
Selenium	ND	0.0040									
Silver	ND	0.0040									

Sample ID: **ILCSW1 8/18/08** SampType: **LCS** TestCode: **M_ICPMS_W** Units: **mg/L** Prep Date: **8/18/2008** Run ID: **ICPMS-2_080818A**
Client ID: **ZZZZZ** Batch ID: **37004** TestNo: **SW6020** Analysis Date: **8/18/2008** SeqNo: **1204344**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.5019	0.0040	0.5	0	100	80	120	0	0		
Barium	0.4947	0.0040	0.5	0	98.9	80	120	0	0		
Cadmium	0.511	0.0020	0.5	0	102	80	120	0	0		
Chromium	0.4986	0.0040	0.5	0	99.7	80	120	0	0		
Lead	0.4939	0.0020	0.5	0	98.8	80	120	0	0		
Selenium	0.5077	0.0040	0.5	0	102	80	120	0	0		
Silver	0.2089	0.0040	0.2	0	104	80	120	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded
B - Analyte detected in the associated Method Blank
E - Value above quantitation range

STAT Analysis Corporation

PREP BATCH REPORT

Prep Start Date: **6/30/2008 10:40:00**
Prep End Date: **6/30/2008 12:40:00**

Prep Batch **36052** Prep Code: **M_HG_W_PRE** Technician: **VA**

Prep Factor Units: **mL / mL**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
HGMBW1 6/30/08			30	0	0	30	1.000	6/30/2008	6/30/2008
HGLCSW1 6/30/08			30	0	0	30	1.000	6/30/2008	6/30/2008
08060960-006A	Water		30	0	0	30	1.000	6/30/2008	6/30/2008
08060960-006AMS	Water		30	0	0	30	1.000	6/30/2008	6/30/2008
08060960-006AMSD	Water		30	0	0	30	1.000	6/30/2008	6/30/2008
08060960-007A	Water		30	0	0	30	1.000	6/30/2008	6/30/2008
08060960-008A	Water		30	0	0	30	1.000	6/30/2008	6/30/2008
08060960-009A	Water		30	0	0	30	1.000	6/30/2008	6/30/2008
HGMBTCLP1 6/26/08	Water		30	0	0	30	1.000	6/30/2008	6/30/2008
08060624-005A	Sludge		30	0	0	30	1.000	6/30/2008	6/30/2008
08060624-005AMS	Sludge		30	0	0	30	1.000	6/30/2008	6/30/2008

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060960
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: 36052

Sample ID: **HGMBW1 6/30/08** SampType: **MBLK** TestCode: **M_HG_WATE** Units: **mg/L** Prep Date: **6/30/2008** Run ID: **CETAC_080630A**
Client ID: **ZZZZZ** Batch ID: **36052** TestNo: **SW7470A** Analysis Date: **6/30/2008** SeqNo: **1167673**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.00025									

Sample ID: **HGLCSW1 6/30/08** SampType: **LCS** TestCode: **M_HG_WATE** Units: **mg/L** Prep Date: **6/30/2008** Run ID: **CETAC_080630A**
Client ID: **ZZZZZ** Batch ID: **36052** TestNo: **SW7470A** Analysis Date: **6/30/2008** SeqNo: **1167674**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00247	0.00025	0.0025	0	98.8	80	120	0	0		

Sample ID: **08060960-006AMS** SampType: **MS** TestCode: **M_HG_WATE** Units: **mg/L** Prep Date: **6/30/2008** Run ID: **CETAC_080630A**
Client ID: **MW-103** Batch ID: **36052** TestNo: **SW7470A** Analysis Date: **6/30/2008** SeqNo: **1167676**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00232	0.00025	0.0025	0	92.8	75	125	0	0		

Sample ID: **08060960-006AMSD** SampType: **MSD** TestCode: **M_HG_WATE** Units: **mg/L** Prep Date: **6/30/2008** Run ID: **CETAC_080630A**
Client ID: **MW-103** Batch ID: **36052** TestNo: **SW7470A** Analysis Date: **6/30/2008** SeqNo: **1167677**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00232	0.00025	0.0025	0	92.8	75	125	0.00232	0	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded
B - Analyte detected in the associated Method Blank
E - Value above quantitation range

STAT Analysis Corporation

PREP BATCH REPORT

Prep Start Date: **7/2/2008 11:05:00 A**
Prep End Date: **7/2/2008 11:40:00 A**

Prep Batch **36108** Prep Code: **M_HG_S_PRE** Technician: **VA**

Prep Factor Units: **mL / g**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
HGMBS1 7/2/08			0.3	0	0	30	100.000	7/2/2008	7/2/2008
HGLCSS1 7/2/08			0.3	0	0	30	100.000	7/2/2008	7/2/2008
08061043-001B	Soil		0.314	0	0	30	95.541	7/2/2008	7/2/2008
08061043-001BMS	Soil		0.318	0	0	30	94.340	7/2/2008	7/2/2008
08061043-001BMSD	Soil		0.321	0	0	30	93.458	7/2/2008	7/2/2008
08060960-001A	Soil		0.314	0	0	30	95.541	7/2/2008	7/2/2008
08060960-003A	Soil		0.324	0	0	30	92.593	7/2/2008	7/2/2008
08060960-005A	Soil		0.302	0	0	30	99.338	7/2/2008	7/2/2008
08061043-002B	Soil		0.314	0	0	30	95.541	7/2/2008	7/2/2008
08061043-003B	Soil		0.318	0	0	30	94.340	7/2/2008	7/2/2008
08061043-004B	Soil		0.308	0	0	30	97.403	7/2/2008	7/2/2008
08061043-005B	Soil		0.309	0	0	30	97.087	7/2/2008	7/2/2008
08061043-006B	Soil		0.31	0	0	30	96.774	7/2/2008	7/2/2008
08061043-007A	Soil		0.316	0	0	30	94.937	7/2/2008	7/2/2008
08061043-008B	Soil		0.31	0	0	30	96.774	7/2/2008	7/2/2008
08061043-009B	Soil		0.307	0	0	30	97.720	7/2/2008	7/2/2008

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060960
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: 36108

Sample ID: **HGMBS1 7/2/08** SampType: **MBLK** TestCode: **M_HG_SOLID** Units: **mg/Kg** Prep Date: **7/2/2008** Run ID: **CETAC_080702B**
Client ID: **ZZZZZ** Batch ID: **36108** TestNo: **SW7471A** Analysis Date: **7/2/2008** SeqNo: **1169521**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.003	0.025									J

Sample ID: **HGLCSS1 7/2/08** SampType: **LCS** TestCode: **M_HG_SOLID** Units: **mg/Kg** Prep Date: **7/2/2008** Run ID: **CETAC_080702B**
Client ID: **ZZZZZ** Batch ID: **36108** TestNo: **SW7471A** Analysis Date: **7/2/2008** SeqNo: **1169522**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.243	0.025	0.25	0.003	96	80	120	0	0		

Sample ID: **08061043-001BMS** SampType: **MS** TestCode: **M_HG_SOLID** Units: **mg/Kg-dry** Prep Date: **7/2/2008** Run ID: **CETAC_080702B**
Client ID: **ZZZZZ** Batch ID: **36108** TestNo: **SW7471A** Analysis Date: **7/2/2008** SeqNo: **1169524**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.2937	0.029	0.289	0.007025	99.2	75	125	0	0		

Sample ID: **08061043-001BMSD** SampType: **MSD** TestCode: **M_HG_SOLID** Units: **mg/Kg-dry** Prep Date: **7/2/2008** Run ID: **CETAC_080702B**
Client ID: **ZZZZZ** Batch ID: **36108** TestNo: **SW7471A** Analysis Date: **7/2/2008** SeqNo: **1169525**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.2898	0.029	0.2863	0.007025	98.7	75	125	0.2937	1.33	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded
B - Analyte detected in the associated Method Blank
E - Value above quantitation range

STAT Analysis Corporation

PREP BATCH REPORT

Prep Start Date: **6/28/2008 4:00:00 P**
Prep End Date: **6/28/2008 5:45:00 P**

Prep Batch **36033** Prep Code: **TCNPREP_S** Technician: **KB**

Prep Factor Units: **mL / g**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
TCNMBS1 062808			1	0	0	50	50.000	6/28/2008	6/28/2008
TCNLCSS1 062808			1	0	0	50	50.000	6/28/2008	6/28/2008
08060888-001BMS	Soil		1	0	0	50	50.000	6/28/2008	6/28/2008
08060888-001BMSD	Soil		1	0	0	50	50.000	6/28/2008	6/28/2008
08060782-001B	Soil		1	0	0	50	50.000	6/28/2008	6/28/2008
08060888-001B	Soil		1	0	0	50	50.000	6/28/2008	6/28/2008
08060935-001A	Soil		1	0	0	50	50.000	6/28/2008	6/28/2008
08060960-001A	Soil		1	0	0	50	50.000	6/28/2008	6/28/2008
08060960-003A	Soil		1	0	0	50	50.000	6/28/2008	6/28/2008
08060978-003A	Sludge		1	0	0	50	50.000	6/28/2008	6/28/2008

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060960
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: 36033

Sample ID: **TCNMBS1 062808** SampType: **MBLK** TestCode: **CN_TS** Units: **mg/Kg** Prep Date: **6/28/2008** Run ID: **LACHAT_080630B**
Client ID: **ZZZZZ** Batch ID: **36033** TestNo: **SW9012A** Analysis Date: **6/30/2008** SeqNo: **1167747**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	ND	0.25									

Sample ID: **TCNLCSS1 062808** SampType: **LCS** TestCode: **CN_TS** Units: **mg/Kg** Prep Date: **6/28/2008** Run ID: **LACHAT_080630B**
Client ID: **ZZZZZ** Batch ID: **36033** TestNo: **SW9012A** Analysis Date: **6/30/2008** SeqNo: **1167748**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	9.709	0.25	10	0	97.1	90	110	0	0		

Sample ID: **08060888-001BMS** SampType: **MS** TestCode: **CN_TS** Units: **mg/Kg** Prep Date: **6/28/2008** Run ID: **LACHAT_080630B**
Client ID: **ZZZZZ** Batch ID: **36033** TestNo: **SW9012A** Analysis Date: **6/30/2008** SeqNo: **1167750**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	9.394	0.25	10	0.1216	92.7	75	125	0	0		

Sample ID: **08060888-001BMSD** SampType: **MSD** TestCode: **CN_TS** Units: **mg/Kg** Prep Date: **6/28/2008** Run ID: **LACHAT_080630B**
Client ID: **ZZZZZ** Batch ID: **36033** TestNo: **SW9012A** Analysis Date: **6/30/2008** SeqNo: **1167751**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	9.214	0.25	10	0.1216	90.9	75	125	9.394	1.93	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
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R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded
B - Analyte detected in the associated Method Blank
E - Value above quantitation range

STAT Analysis Corporation

PREP BATCH REPORT

Prep Start Date: **7/1/2008 4:00:00 PM**
Prep End Date: **7/2/2008 5:45:00 PM**

Prep Batch **36117** Prep Code: **TCNPREP_S** Technician: **KB**

Prep Factor Units: **mL / g**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
TCNMBS1 070108			1	0	0	50	50.000	7/1/2008	7/1/2008
TCNLCSS1 070108			1	0	0	50	50.000	7/1/2008	7/1/2008
08061014-001AMS	Soil		1	0	0	50	50.000	7/1/2008	7/1/2008
08061014-001AMSD	Soil		1	0	0	50	50.000	7/1/2008	7/1/2008
08060960-005A	Soil		1	0	0	50	50.000	7/2/2008	7/2/2008
08060978-004A	Liquid		1	0	0	50	50.000	7/1/2008	7/1/2008
08061014-001A	Soil		1	0	0	50	50.000	7/1/2008	7/1/2008
08061032-001B	Soil		1	0	0	50	50.000	7/2/2008	7/2/2008
08061032-002B	Soil		1	0	0	50	50.000	7/2/2008	7/2/2008
08061032-003B	Soil		1	0	0	50	50.000	7/2/2008	7/2/2008
08060932-001B	Soil		1	0	0	50	50.000	7/1/2008	7/1/2008

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060960
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: 36117

Sample ID: **TCNMBS1 070108** SampType: **MBLK** TestCode: **CN_TS** Units: **mg/Kg** Prep Date: **7/1/2008** Run ID: **LACHAT_080702C**
Client ID: **ZZZZZ** Batch ID: **36117** TestNo: **SW9012A** Analysis Date: **7/2/2008** SeqNo: **1169561**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.1547	0.25									J

Sample ID: **TCNLCSS1 070108** SampType: **LCS** TestCode: **CN_TS** Units: **mg/Kg** Prep Date: **7/1/2008** Run ID: **LACHAT_080702C**
Client ID: **ZZZZZ** Batch ID: **36117** TestNo: **SW9012A** Analysis Date: **7/2/2008** SeqNo: **1169562**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	9.66	0.25	10	0.1547	95.1	90	110	0	0		

Sample ID: **08061014-001AMS** SampType: **MS** TestCode: **CN_TS** Units: **mg/Kg-dry** Prep Date: **7/1/2008** Run ID: **LACHAT_080702C**
Client ID: **ZZZZZ** Batch ID: **36117** TestNo: **SW9012A** Analysis Date: **7/2/2008** SeqNo: **1169564**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	10.41	0.28	11.14	0	93.5	75	125	0	0		

Sample ID: **08061014-001AMSD** SampType: **MSD** TestCode: **CN_TS** Units: **mg/Kg-dry** Prep Date: **7/1/2008** Run ID: **LACHAT_080702C**
Client ID: **ZZZZZ** Batch ID: **36117** TestNo: **SW9012A** Analysis Date: **7/2/2008** SeqNo: **1169565**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	11.44	0.28	11.14	0	103	75	125	10.41	9.44	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter
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R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded
B - Analyte detected in the associated Method Blank
E - Value above quantitation range

STAT Analysis Corporation

PREP BATCH REPORT

Prep Start Date: **7/3/2008 8:00:00 AM**
Prep End Date: **7/3/2008 9:45:00 AM**

Prep Batch **36129** Prep Code: **TCNPREP_W** Technician: **YZ**

Prep Factor Units: **mL / mL**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
TCNMBW1 070308			50	0	0	50	1.000	7/3/2008	7/3/2008
TCNLCSW1 070308			50	0	0	50	1.000	7/3/2008	7/3/2008
08060960-006B	Water		50	0	0	50	1.000	7/3/2008	7/3/2008
08060960-006BMS	Water		50	0	0	50	1.000	7/3/2008	7/3/2008
08060960-006BMSD	Water		50	0	0	50	1.000	7/3/2008	7/3/2008
08060960-008B	Water		50	0	0	50	1.000	7/3/2008	7/3/2008
08060978-001A	Liquid		25	0	0	50	2.000	7/3/2008	7/3/2008
08060978-002A	Liquid		25	0	0	50	2.000	7/3/2008	7/3/2008
08070008-001D	Water		50	0	0	50	1.000	7/3/2008	7/3/2008
08070008-002D	Water		50	0	0	50	1.000	7/3/2008	7/3/2008
08070008-003D	Water		50	0	0	50	1.000	7/3/2008	7/3/2008

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060960
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: 36129

Sample ID: **TCNMBW1 070308** SampType: **MBLK** TestCode: **CN_TW** Units: **mg/L** Prep Date: **7/3/2008** Run ID: **LACHAT_080702E**
Client ID: **ZZZZZ** Batch ID: **36129** TestNo: **SW9012A** Analysis Date: **7/3/2008** SeqNo: **1170367**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.002748	0.0050									J

Sample ID: **TCNLCSW1 070308** SampType: **LCS** TestCode: **CN_TW** Units: **mg/L** Prep Date: **7/3/2008** Run ID: **LACHAT_080702E**
Client ID: **ZZZZZ** Batch ID: **36129** TestNo: **SW9012A** Analysis Date: **7/3/2008** SeqNo: **1170368**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.2019	0.0050	0.2	0.002748	99.6	90	110	0	0		

Sample ID: **08060960-006BMS** SampType: **MS** TestCode: **CN_TW** Units: **mg/L** Prep Date: **7/3/2008** Run ID: **LACHAT_080702E**
Client ID: **MW-103** Batch ID: **36129** TestNo: **SW9012A** Analysis Date: **7/3/2008** SeqNo: **1170370**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.2077	0.0050	0.2	0	104	75	125	0	0		

Sample ID: **08060960-006BMSD** SampType: **MSD** TestCode: **CN_TW** Units: **mg/L** Prep Date: **7/3/2008** Run ID: **LACHAT_080702E**
Client ID: **MW-103** Batch ID: **36129** TestNo: **SW9012A** Analysis Date: **7/3/2008** SeqNo: **1170371**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide	0.2009	0.0050	0.2	0	100	75	125	0.2077	3.31	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded
B - Analyte detected in the associated Method Blank
E - Value above quantitation range

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060960
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: R45794

Sample ID: **PMMBK3 6/26/08** SampType: **MBLK** TestCode: **PMOIST** Units: **wt%** Prep Date: **6/26/2008** Run ID: **BALANCE_080626C**
Client ID: **ZZZZZ** Batch ID: **R45794** TestNo: **D2974** Analysis Date: **6/27/2008** SeqNo: **1165888**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	ND	0.0100									*

Sample ID: **PMLCS-S3 6/26/08** SampType: **LCS** TestCode: **PMOIST** Units: **wt%** Prep Date: **6/26/2008** Run ID: **BALANCE_080626C**
Client ID: **ZZZZZ** Batch ID: **R45794** TestNo: **D2974** Analysis Date: **6/27/2008** SeqNo: **1165889**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	4.7	0.0100	5	0	94	80	120	0	0		*

Sample ID: **PMLCS-W3 6/26/08** SampType: **LCS** TestCode: **PMOIST** Units: **wt%** Prep Date: **6/26/2008** Run ID: **BALANCE_080626C**
Client ID: **ZZZZZ** Batch ID: **R45794** TestNo: **D2974** Analysis Date: **6/27/2008** SeqNo: **1165890**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	99.8	0.0100	99.8	0	100	80	120	0	0		*

Sample ID: **08060939-034A DUP** SampType: **DUP** TestCode: **PMOIST** Units: **wt%** Prep Date: **6/26/2008** Run ID: **BALANCE_080626C**
Client ID: **ZZZZZ** Batch ID: **R45794** TestNo: **D2974** Analysis Date: **6/27/2008** SeqNo: **1165892**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	13.98	0.0100	0	0	0	0	0	14.6	4.34	20	*

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded
B - Analyte detected in the associated Method Blank
E - Value above quantitation range

CLIENT: Illinois Environmental Protection Agency
Work Order: 08060960
Project: PR50, 0971255020, North Chicago

ANALYTICAL QC SUMMARY REPORT

BatchID: R45862

Sample ID: **FOCMBK 6/27/08** SampType: **MBLK** TestCode: **FOC_S** Units: **wt%** Prep Date: **6/27/2008** Run ID: **BALANCE_080627E**
Client ID: **ZZZZZ** Batch ID: **R45862** TestNo: **D2974** Analysis Date: **6/30/2008** SeqNo: **1167877**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Organic Carbon Content	ND	0.0100									*

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded
B - Analyte detected in the associated Method Blank
E - Value above quantitation range

Illinois Environmental Protection Agency Chain of Custody

Preservative Codes	Container Description: Soil	Container Description: Aqueous
1. None		
2. VOA - HCl	VOC - 2 oz. glass (2)	VOC - 40 mL glass (3)
3. Metals - HNO3	SVOC - 8 oz. glass (1)	SVOC, Pest/PCB - 40 oz amber glass (1)*
4. Cyanide - NaOH	Pest/PCB - 8 oz. glass (1)	
5. Other:	Inorganics - 16 oz. glass (1)	Inorganics - 1 qt. plastic (1)
6. Other		* duplicate 1 out of 10

Fund:	LPC#:	Locality:	Cooler Initially Sealed By:	Date Initially Sealed
PR50	0971255020		[illegible]	5-24-08
Section:	Site Name:	Project Manager:	Phone Number:	Initial Cooler Seal #
	North Chicago (a.k.a Chemical Packing)	Jim Salch	217-785-8726	021

Lab Sample No.	Parameter Group: SVOC	VOC	% H2O	Pest/PCB	PCB	pH		Field Sample Number	Matrix	No. of Bottles	Date Collected	Time Collected (24 hr clock)	Sampler's Initials	Special Notations	Legal Hold Y or N
S806185-01	X	X	X	X	X	X		X107	Soil	3	5/28/07	1045	KWC		N
S806185-02	X	X	X	X	X	X		X108	↓	3	↓	1230	KWC		
S806185-03	X	X	X	X	X	X		X109 A	↓	3	↓	1320	KWC		
S806185-04	X	X	X			X		X109 B	↓	2	↓	1500	KWC		
S806185-05	X	X	X	X	X	X		X106	↓	3	↓	1700	KWC		

Opener: I certify that I received the sample shipping container with the shipping container sealed and intact.

Cooler Opened by:	Seal No:	Date:	Time:	Intact
Tony Wasilewski	21	5-27-08	1535	Y-N
				Y-N

Sealer: I certify that the samples listed above were collected in my presence and sealed by me.

Cooler Sealed By:	Seal No.:	Date:	Time:
Tony Wasilewski	004	5-28-08	1710

I certify that I received the cooler containing the above samples with the seal(s) intact.

Received for Lab by:	Seal No:	Date:	Time:	Intact:
SCOTT CLARK [illegible]	004	5/29	930	Y-N

Sample Courier: UPS

Turnaround Time Requested: 21 day

Samplers: Jim Salch / Ken Corkill

Lab Comments:

Supervisor Releasing Results: [illegible] Date: 6/23/08

Illinois Environmental Protection Agency Chain of Custody

Preservative Codes	Container Description: Soil	Container Description: Aqueous
1. None		
2. VOA - HCl	VOC - 2 oz. glass (2)	VOC - 40 mL glass (3)
3. Metals - HNO3	SVOC - 8 oz. glass (1)	SVOC, Pest/PCB - 40 oz amber glass (1)*
4. Cyanide - NaOH	Pest/PCB - 8 oz. glass (1)	
5. Other:	Inorganics - 16 oz. glass (1)	Inorganics - 1 qt. plastic (1)
6. Other		* duplicate 1 out of 10

Fund:	LPC#:	Locality:	Cooler Initially Sealed By:	Date Initially Sealed
PR50	0971255020		[illegible]	5-24-08
Section:	**Site Name:**	**Project Manager:**	**Phone Number:**	**Initial Cooler Seal #**
	North Chicago	Jim Salch	217-785-8726	021

(a.k.a Chemical Packing)

Lab Sample No.	Parameter Group: SVOC	VOC	% H2O	Pest	PCB 8082	pH		Collection Information: Field Sample Number	Matrix	No. of Bottles	Date Collected	Time Collected (24 hr clock)	Sampler's Initials	Special Notations	Legal Hold Y or N
	X	X	X	X	X	X		X107	Soil	3	5/28/07	1045	KWC		N
	X	X	X	X	X	X		X108	↓	3	↓	1230	KWC		
	X	X	X	X	X	X		X109 A	↓	3	↓	1320	KWC		
	X	X	X			X		X109 B	↓	2	↓	1500	KWC		
	X	X	X	X	X	X		X106	↓	3	↓	1700	KWC		

Opener: I certify that I received the sample shipping container with the shipping container sealed and intact.

Cooler Opened by:	Seal No:	Date:	Time:	Intact
Tony Wasilewski	21	5-27-08	1535	Y-N
				Y-N

Sealer : I certify that the samples listed above were collected in my presence and sealed by me.

Cooler Sealed By:	Seal No.:	Date:	Time:
Tony Wasilewski	004	5-28-08	1710

I certify that I received the cooler containing the above samples with the seal(s) intact.

Received for Lab by:	Seal No:	Date:	Time:	Intact:
SCOTT CLARK	004	5/29	930	Y-N

Lab Comments:

Supervisor Releasing Results: [signature] Date: 6/2/08

Sample Courier: UPS

Turnaround Time Requested: 21 days

Samplers: Jim Salch / Ken Corkill

Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	**NORTH CHICAGO**		
Project/Facility Number:	0971255020	Date Received :	05/29/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	6.00

Client Sample ID:	**X107**	Lab Sample ID:	**S806185-01**
Matrix:	Soil	Collected By: KWC	Date/Time Collected: 05/28/08 10:45
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Pesticides/PCBs by ECD

Method:	8081/8082	Analyzed:	06/10/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
alpha-BHC	ND		5.9	
'a-BHC	ND		5.9	
.a-BHC	ND		5.9	
gamma-BHC	ND		5.9	
Heptachlor	ND		5.9	
Aldrin	ND		5.9	
Heptachlor epoxide	ND		5.9	
Endosulfan I	ND		5.9	
Dieldrin	ND		5.9	
p,p'-DDE	ND		5.9	
Endrin	ND		5.9	
Endosulfan II	ND		5.9	
p,p'-DDD	ND		5.9	
Endosulfan sulfate	ND		5.9	
p,p'-DDT	ND		5.9	
Methoxychlor	ND		29	
Endrin ketone	ND		5.9	
Endrin aldehyde	ND		5.9	
alpha-Chlordane	ND		12	
gamma-Chlordane	ND		12	
Toxaphene	ND		120	
Aroclor 1016	ND		12	
Aroclor 1221	ND		12	
Aroclor 1232	ND		12	

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06/20/08 15:51

Illinois Environmental Protection Agency Laboratory

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	05/29/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	6.00
Client Sample ID:	**X107**	Lab Sample ID:	**S806185-01**
Matrix:	Soil	Collected By: KWC	Date/Time Collected: 05/28/08 10:45
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Pesticides/PCBs by ECD

Method:	8081/8082	Analyzed:	06/10/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Aroclor 1242	ND		12	
Aroclor 1248	ND		12	
Aroclor 1254	ND		12	
Aroclor 1260	**48**		12	

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Analyzed:	05/29/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Chloromethane	ND		1.9	
Vinyl chloride	ND		1.9	
Bromomethane	ND		1.9	
Chloroethane	ND		1.9	
Trichlorofluoromethane	ND		1.9	
Acetone	ND		9.5	
1,1-Dichloroethene	ND		1.9	
Methylene chloride	ND		4.7	
Carbon disulfide	ND		1.9	
trans-1,2-Dichloroethene	ND		1.9	
Methyl tert-butyl ether	ND		1.9	
1,1-Dichloroethane	ND		1.9	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	05/29/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	6.00
Client Sample ID:	**X107**	Lab Sample ID:	**S806185-01**
Matrix:	Soil	Collected By: KWC	Date/Time Collected: 05/28/08 10:45
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Analyzed:	05/29/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
2-Butanone (MEK)	ND		9.5	
-1,2-Dichloroethene	ND		1.9	
mochloromethane	ND		1.9	
Chloroform	ND		1.9	
2,2-Dichloropropane	ND		1.9	
1,2-Dichloroethane	ND		1.9	
1,1,1-Trichloroethane	ND		1.9	
1,1-Dichloropropene	ND		1.9	
Carbon tetrachloride	ND		1.9	
Benzene	**46**		1.9	
Dibromomethane	ND		1.9	
1,2-Dichloropropane	ND		1.9	
Trichloroethene	ND		1.9	
Bromodichloromethane	ND		1.9	
cis-1,3-Dichloropropene	ND		1.9	
4-Methyl-2-pentanone (MIBK)	ND		1.9	
trans-1,3-Dichloropropene	ND		1.9	
1,1,2-Trichloroethane	ND		1.9	
Toluene	**12**		1.9	
1,3-Dichloropropane	ND		1.9	
2-Hexanone (MBK)	ND		1.9	
Dibromochloromethane	ND		1.9	
1,2-Dibromoethane	ND		1.9	
Tetrachloroethene	ND		1.9	

PA Laboratory

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Illinois Environmental Protection Agency Laboratory

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	05/29/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	6.00

Client Sample ID:	**X107**	Lab Sample ID:	**S806185-01**
Matrix:	Soil	Collected By: KWC	Date/Time Collected: 05/28/08 10:45
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Analyzed: 05/29/08

Units: ug/kg dry

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
1,1,1,2-Tetrachloroethane	ND		1.9	
Chlorobenzene	ND		1.9	
Ethylbenzene	**5.7**		1.9	
Bromoform	ND		1.9	
Styrene	ND		1.9	
1,1,2,2-Tetrachloroethane	ND		1.9	
Xylenes, total	**56**		1.9	
1,2,3-Trichloropropane	ND		1.9	
Isopropylbenzene	**59**		1.9	
Bromobenzene	ND		1.9	

Semivolatiles by GC/MS

Method: 8270 Analyzed: 06/09/08

Units: ug/kg dry

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Pyridine	ND		59	
2-Picoline	ND		59	
Methyl methanesulfonate	ND		59	
Ethyl methanesulfonate	ND		59	
Phenol	ND		59	
Bis(2-chloroethyl)ether	ND		59	

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Reported:
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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	05/29/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	6.00
Client Sample ID:	**X107**	Lab Sample ID:	**S806185-01**
Matrix:	Soil	Collected By: KWC	Date/Time Collected: 05/28/08 10:45
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/09/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
2-Chlorophenol	ND		59	
3-Dichlorobenzene	ND		59	
-Dichlorobenzene	ND		59	
1,2-Dichlorobenzene	ND		59	
2-Methylphenol	ND		59	
2,2'-Oxybis(1-chloropropane)	ND		59	
Acetophenone	ND		59	
4-Methylphenol	ND		59	
N-Nitrosodi-n-propylamine	ND		59	
Hexachloroethane	ND		59	
Nitrobenzene	ND		59	
N-Nitrosopiperidine	ND		59	
Isophorone	ND		59	
2-Nitrophenol	ND		59	
2,4-Dimethylphenol	ND		59	
Bis(2-chloroethoxy)methane	ND		59	
2,4-Dichlorophenol	ND		59	
1,2,4-Trichlorobenzene	ND		59	
Naphthalene	ND		59	
4-Chloroaniline	ND		59	
2,6-Dichlorophenol	ND		59	
Hexachloropropene	ND		59	
Hexachlorobutadiene	ND		59	
N-Nitrosodi-n-butylamine	ND		59	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	05/29/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	6.00
Client Sample ID:	**X107**	Lab Sample ID:	**S806185-01**
Matrix:	Soil	Collected By: KWC	Date/Time Collected: 05/28/08 10:45
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/09/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
4-Chloro-3-methylphenol	ND		59	
~ ›safrole	ND		59	
Iethylnaphthalene	ND		59	
1,2,4,5-Tetrachlorobenzene	ND		59	
Hexachlorocyclopentadiene	ND		200	
2,4,6-Trichlorophenol	ND		59	
2,4,5-Trichlorophenol	ND		59	
Safrole	ND		59	
2-Chloronaphthalene	ND		59	
1-Chloronaphthalene	ND		59	
2-Nitroaniline	ND		59	
1,4-Dinitrobenzene	ND		59	
Dimethylphthalate	ND		59	
1,3-Dinitrobenzene	ND		59	
2,6-Dinitrotoluene	ND		59	
Acenaphthylene	ND		59	
1,2-Dinitrobenzene	ND		59	
3-Nitroaniline	ND		59	
Acenaphthene	ND		59	
2,4-Dinitrophenol	ND		200	
4-Nitrophenol	ND		59	
Dibenzofuran	ND		59	
2,4-Dinitrotoluene	ND		59	
Pentachlorobenzene	ND		59	

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Reported:
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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	05/29/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	6.00
Client Sample ID:	**X107**	Lab Sample ID:	**S806185-01**
Matrix:	Soil	Collected By: KWC	Date/Time Collected: 05/28/08 10:45
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/09/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
1-Naphthylamine	ND		200	
Naphthylamine	ND		59	
,4,6-Tetrachlorophenol	ND		59	
Diethylphthalate	ND		59	
4-Chlorophenyl phenyl ether	ND		59	
Fluorene	ND		59	
4-Nitroaniline	ND		59	
4,6-Dinitro-2-methylphenol	ND		390	
Diphenylamine	ND		59	
Azobenzene *	ND		59	
Phenacetin	ND		59	
4-Bromophenyl phenyl ether	ND		59	
Hexachlorobenzene	ND		59	
Pentachlorophenol	ND		590	
Pronamide	ND		59	
Pentachloronitrobenzene	ND		59	
Phenanthrene	ND		59	
Anthracene	ND		59	
Carbazole	ND		59	
4-Nitrobiphenyl	ND		59	
Di-n-butylphthalate	ND		59	
5-Nitroacenaphthene	ND		59	
Isodrin	ND		59	
Fluoranthene	ND		59	

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Reported:
06/20/08 15:51

Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	05/29/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	6.00
Client Sample ID:	**X107**	Lab Sample ID:	**S806185-01**
Matrix:	Soil	Collected By: KWC	Date/Time Collected: 05/28/08 10:45
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/09/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Pyrene	ND		59	
Dimethylaminoazobenzene	ND		59	
yl benzyl phthalate	ND		59	
3,3'-Dichlorobenzidine	ND		59	
Benzo(a)anthracene	ND		59	
Chrysene	ND		59	
Bis(2-ethylhexyl)phthalate	ND		200	
Mestranol	ND		59	
Di-n-octylphthalate	ND		59	
Benzo(b)fluoranthene	ND		59	
7,12-Dimethylbenzo(a)anthracene	ND	J5	59	
Benzo(k)fluoranthene	ND		59	
Benzo(a)pyrene	ND		59	
Indeno(1,2,3-cd)pyrene	ND		59	
Dibenzo(a,h)anthracene	ND		59	
Benzo(ghi)perylene	ND		59	

pH *

Method:	150.1	Analyzed:	06/10/08
Units:	PH		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level

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Reported:
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Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	**NORTH CHICAGO**		
Project/Facility Number:	0971255020	Date Received :	05/29/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	6.00
Client Sample ID:	**X107**	Lab Sample ID:	**S806185-01**
Matrix:	Soil	Collected By: KWC	Date/Time Collected: 05/28/08 10:45
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

pH *

Method:	150.1	Analyzed:	06/10/08
Units:	PH		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
pH	**7.30**		0.10	

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Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	**NORTH CHICAGO**		
Project/Facility Number:	0971255020	Date Received :	05/29/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	6.00
Client Sample ID:	**X108**	Lab Sample ID:	**S806185-02**
Matrix:	Soil	Collected By: KWC	Date/Time Collected: 05/28/08 12:30
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Pesticides/PCBs by ECD

Method:	8081/8082	Analyzed:	06/10/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
alpha-BHC	ND		5.7	
'a-BHC	ND		5.7	
.a-BHC	ND		5.7	
gamma-BHC	ND		5.7	
Heptachlor	ND		5.7	
Aldrin	ND		5.7	
Heptachlor epoxide	ND		5.7	
Endosulfan I	ND		5.7	
Dieldrin	ND		5.7	
p,p'-DDE	ND		5.7	
Endrin	ND		5.7	
Endosulfan II	ND		5.7	
p,p'-DDD	ND		5.7	
Endosulfan sulfate	ND		5.7	
p,p'-DDT	ND		5.7	
Methoxychlor	ND		28	
Endrin ketone	ND		5.7	
Endrin aldehyde	ND		5.7	
alpha-Chlordane	ND		11	
gamma-Chlordane	ND		11	
Toxaphene	ND		110	
Aroclor 1016	ND		11	
Aroclor 1221	ND		11	
Aroclor 1232	ND		11	

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06/20/08 15:51

Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	05/29/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	6.00

Client Sample ID:	**X108**			Lab Sample ID:	**S806185-02**
Matrix:	Soil	Collected By:	KWC	Date/Time Collected:	05/28/08 12:30
Sample Type:		Sample Depth:	0 Feet	Total Depth:	Feet

Pesticides/PCBs by ECD

Method:	8081/8082	Analyzed:	06/10/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Aroclor 1242	ND		11	
·oclor 1248	ND		11	
›clor 1254	ND		11	
Aroclor 1260	ND		11	

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Analyzed:	05/29/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Chloromethane	ND		2.1	
Vinyl chloride	ND		2.1	
Bromomethane	ND		2.1	
Chloroethane	ND		2.1	
Trichlorofluoromethane	ND		2.1	
Acetone	ND		10	
1,1-Dichloroethene	ND		2.1	
Methylene chloride	ND		5.2	
Carbon disulfide	ND		2.1	
trans-1,2-Dichloroethene	ND		2.1	
Methyl tert-butyl ether	ND		2.1	
1,1-Dichloroethane	ND		2.1	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	05/29/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	6.00
Client Sample ID:	**X108**	Lab Sample ID:	**S806185-02**
Matrix:	Soil	Collected By: KWC	Date/Time Collected: 05/28/08 12:30
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Analyzed:	05/29/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
2-Butanone (MEK)	ND		10	
-1,2-Dichloroethene	ND		2.1	
omochloromethane	ND		2.1	
Chloroform	ND		2.1	
2,2-Dichloropropane	ND		2.1	
1,2-Dichloroethane	ND		2.1	
1,1,1-Trichloroethane	ND		2.1	
1,1-Dichloropropene	ND		2.1	
Carbon tetrachloride	ND		2.1	
Benzene	ND		2.1	
Dibromomethane	ND		2.1	
1,2-Dichloropropane	ND		2.1	
Trichloroethene	ND		2.1	
Bromodichloromethane	ND		2.1	
cis-1,3-Dichloropropene	ND		2.1	
4-Methyl-2-pentanone (MIBK)	ND		2.1	
trans-1,3-Dichloropropene	ND		2.1	
1,1,2-Trichloroethane	ND		2.1	
Toluene	ND		2.1	
1,3-Dichloropropane	ND		2.1	
2-Hexanone (MBK)	ND		2.1	
Dibromochloromethane	ND		2.1	
1,2-Dibromoethane	ND		2.1	
Tetrachloroethene	ND		2.1	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	05/29/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	6.00

Client Sample ID:	**X108**			Lab Sample ID:	**S806185-02**
Matrix:	Soil	Collected By:	KWC	Date/Time Collected:	05/28/08 12:30
Sample Type:		Sample Depth:	0 Feet	Total Depth:	Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Analyzed:	05/29/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
1,1,1,2-Tetrachloroethane	ND		2.1	
˜hlorobenzene	ND		2.1	
ıylbenzene	**100**		2.1	
Bromoform	ND		2.1	
Styrene	ND		2.1	
1,1,2,2-Tetrachloroethane	ND		2.1	
Xylenes, total	**500**	L	2.1	
1,2,3-Trichloropropane	ND		2.1	
Isopropylbenzene	**14**		2.1	
Bromobenzene	ND		2.1	

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/09/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Pyridine	ND		56	
2-Picoline	ND		56	
Methyl methanesulfonate	ND		56	
Ethyl methanesulfonate	ND		56	
Phenol	ND		56	
Bis(2-chloroethyl)ether	ND		56	

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LABORATORY RESULTS

Name:	**NORTH CHICAGO**		
Project/Facility Number:	0971255020	Date Received :	05/29/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	6.00
Client Sample ID:	**X108**	Lab Sample ID:	**S806185-02**
Matrix:	Soil	Collected By: KWC	Date/Time Collected: 05/28/08 12:30
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/09/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
2-Chlorophenol	ND		56	
1,3-Dichlorobenzene	ND		56	
1,4-Dichlorobenzene	ND		56	
1,2-Dichlorobenzene	ND		56	
2-Methylphenol	ND		56	
2,2'-Oxybis(1-chloropropane)	ND		56	
Acetophenone	ND		56	
4-Methylphenol	ND		56	
N-Nitrosodi-n-propylamine	ND		56	
Hexachloroethane	ND		56	
Nitrobenzene	ND		56	
N-Nitrosopiperidine	ND		56	
Isophorone	ND		56	
2-Nitrophenol	ND		56	
2,4-Dimethylphenol	**61**		56	
Bis(2-chloroethoxy)methane	ND		56	
2,4-Dichlorophenol	ND		56	
1,2,4-Trichlorobenzene	ND		56	
Naphthalene	ND		56	
4-Chloroaniline	ND		56	
2,6-Dichlorophenol	ND		56	
Hexachloropropene	ND		56	
Hexachlorobutadiene	ND		56	
N-Nitrosodi-n-butylamine	ND		56	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	05/29/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	6.00
Client Sample ID:	**X108**	Lab Sample ID:	**S806185-02**
Matrix:	Soil	Collected By: KWC	Date/Time Collected: 05/28/08 12:30
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/09/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
4-Chloro-3-methylphenol	ND		56	
˜ ›safrole	ND		56	
Iethylnaphthalene	ND		56	
ı,2,4,5-Tetrachlorobenzene	ND		56	
Hexachlorocyclopentadiene	ND		190	
2,4,6-Trichlorophenol	ND		56	
2,4,5-Trichlorophenol	ND		56	
Safrole	ND		56	
2-Chloronaphthalene	ND		56	
1-Chloronaphthalene	ND		56	
2-Nitroaniline	ND		56	
1,4-Dinitrobenzene	ND		56	
Dimethylphthalate	ND		56	
1,3-Dinitrobenzene	ND		56	
2,6-Dinitrotoluene	ND		56	
Acenaphthylene	ND		56	
1,2-Dinitrobenzene	ND		56	
3-Nitroaniline	ND		56	
Acenaphthene	ND		56	
2,4-Dinitrophenol	ND		190	
4-Nitrophenol	ND		56	
Dibenzofuran	ND		56	
2,4-Dinitrotoluene	ND		56	
Pentachlorobenzene	ND		56	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	05/29/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	6.00
Client Sample ID:	**X108**	Lab Sample ID:	**S806185-02**
Matrix:	Soil	Collected By: KWC	Date/Time Collected: 05/28/08 12:30
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/09/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
1-Naphthylamine	ND		190	
Naphthylamine	ND		56	
,4,6-Tetrachlorophenol	ND		56	
Diethylphthalate	ND		56	
4-Chlorophenyl phenyl ether	ND		56	
Fluorene	ND		56	
4-Nitroaniline	ND		56	
4,6-Dinitro-2-methylphenol	ND		370	
Diphenylamine	ND		56	
Azobenzene *	ND		56	
Phenacetin	ND		56	
4-Bromophenyl phenyl ether	ND		56	
Hexachlorobenzene	ND		56	
Pentachlorophenol	ND		560	
Pronamide	ND		56	
Pentachloronitrobenzene	ND		56	
Phenanthrene	ND		56	
Anthracene	ND		56	
Carbazole	ND		56	
4-Nitrobiphenyl	ND		56	
Di-n-butylphthalate	ND		56	
5-Nitroacenaphthene	ND		56	
Isodrin	ND		56	
Fluoranthene	ND		56	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	05/29/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	6.00
Client Sample ID:	**X108**	Lab Sample ID:	**S806185-02**
Matrix:	Soil	Collected By: KWC	Date/Time Collected: 05/28/08 12:30
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method: 8270 Analyzed: 06/09/08

Units: ug/kg dry

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Pyrene	ND		56	
Dimethylaminoazobenzene	ND		56	
yl benzyl phthalate	ND		56	
3,3'-Dichlorobenzidine	ND		56	
Benzo(a)anthracene	ND		56	
Chrysene	ND		56	
Bis(2-ethylhexyl)phthalate	ND		190	
Mestranol	ND		56	
Di-n-octylphthalate	ND		56	
Benzo(b)fluoranthene	ND		56	
7,12-Dimethylbenzo(a)anthracene	ND	J5	56	
Benzo(k)fluoranthene	ND		56	
Benzo(a)pyrene	ND		56	
Indeno(1,2,3-cd)pyrene	ND		56	
Dibenzo(a,h)anthracene	ND		56	
Benzo(ghi)perylene	ND		56	

pH *

Method: 150.1 Analyzed: 06/10/08

Units: PH

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level

PA Laboratory

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LABORATORY RESULTS

Name:	**NORTH CHICAGO**		
Project/Facility Number:	0971255020	Date Received :	05/29/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	6.00
Client Sample ID:	**X108**	Lab Sample ID:	**S806185-02**
Matrix:	Soil	Collected By: KWC	Date/Time Collected: 05/28/08 12:30
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

pH *

Method:	150.1	Analyzed:	06/10/08
Units:	PH		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
pH	**5.10**		0.10	

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LABORATORY RESULTS

Name:	**NORTH CHICAGO**		
Project/Facility Number:	0971255020	Date Received :	05/29/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	6.00
Client Sample ID:	**X109A**	Lab Sample ID:	**S806185-03**
Matrix:	Soil	Collected By: KWC	Date/Time Collected: 05/28/08 13:20
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Pesticides/PCBs by ECD

Method:	8081/8082	Analyzed:	06/10/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
alpha-BHC	ND		5.3	
·ta-BHC	ND		5.3	
.a-BHC	ND		5.3	
gamma-BHC	ND		5.3	
Heptachlor	ND		5.3	
Aldrin	ND		5.3	
Heptachlor epoxide	ND		5.3	
Endosulfan I	ND		5.3	
Dieldrin	ND		5.3	
p,p'-DDE	ND		5.3	
Endrin	ND		5.3	
Endosulfan II	ND		5.3	
p,p'-DDD	ND		5.3	
Endosulfan sulfate	ND		5.3	
p,p'-DDT	ND		5.3	
Methoxychlor	ND		27	
Endrin ketone	ND		5.3	
Endrin aldehyde	ND		5.3	
alpha-Chlordane	ND		11	
gamma-Chlordane	ND		11	
Toxaphene	ND		110	
Aroclor 1016	ND		11	
Aroclor 1221	ND		11	
Aroclor 1232	ND		11	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	05/29/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	6.00
Client Sample ID:	**X109A**	Lab Sample ID:	**S806185-03**
Matrix:	Soil	Collected By: KWC	Date/Time Collected: 05/28/08 13:20
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Pesticides/PCBs by ECD

Method:	8081/8082	Analyzed:	06/10/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Aroclor 1242	ND		11	
·oclor 1248	ND		11	
,clor 1254	ND		11	
Aroclor 1260	ND		11	

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Analyzed:	05/29/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Chloromethane	ND		2.1	
Vinyl chloride	ND		2.1	
Bromomethane	ND		2.1	
Chloroethane	ND		2.1	
Trichlorofluoromethane	ND		2.1	
Acetone	**11**		11	
1,1-Dichloroethene	ND		2.1	
Methylene chloride	ND		5.4	
Carbon disulfide	ND		2.1	
trans-1,2-Dichloroethene	ND		2.1	
Methyl tert-butyl ether	ND		2.1	
1,1-Dichloroethane	ND		2.1	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	05/29/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	6.00
Client Sample ID:	**X109A**	Lab Sample ID:	**S806185-03**
Matrix:	Soil	Collected By: KWC	Date/Time Collected: 05/28/08 13:20
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Analyzed:	05/29/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
2-Butanone (MEK)	ND		11	
-1,2-Dichloroethene	**6.2**		2.1	
mochloromethane	ND		2.1	
Chloroform	ND		2.1	
2,2-Dichloropropane	ND		2.1	
1,2-Dichloroethane	ND		2.1	
1,1,1-Trichloroethane	ND		2.1	
1,1-Dichloropropene	ND		2.1	
Carbon tetrachloride	ND		2.1	
Benzene	**23**		2.1	
Dibromomethane	ND		2.1	
1,2-Dichloropropane	ND		2.1	
Trichloroethene	**3.3**		2.1	
Bromodichloromethane	ND		2.1	
cis-1,3-Dichloropropene	ND		2.1	
4-Methyl-2-pentanone (MIBK)	ND		2.1	
trans-1,3-Dichloropropene	ND		2.1	
1,1,2-Trichloroethane	ND		2.1	
Toluene	**210**	L	2.1	
1,3-Dichloropropane	ND		2.1	
2-Hexanone (MBK)	ND		2.1	
Dibromochloromethane	ND		2.1	
1,2-Dibromoethane	ND		2.1	
Tetrachloroethene	**5.8**		2.1	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	05/29/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	6.00
Client Sample ID:	**X109A**	Lab Sample ID:	**S806185-03**
Matrix:	Soil	Collected By: KWC	Date/Time Collected: 05/28/08 13:20
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Analyzed: 05/29/08

Units: ug/kg dry

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
1,1,1,2-Tetrachloroethane	ND		2.1	
''lorobenzene	ND		2.1	
ıylbenzene	**210**	L	2.1	
Bromoform	ND		2.1	
Styrene	ND		2.1	
1,1,2,2-Tetrachloroethane	ND		2.1	
Xylenes, total	**640**	L	2.1	
1,2,3-Trichloropropane	ND		2.1	
Isopropylbenzene	**34**		2.1	
Bromobenzene	ND		2.1	

Semivolatiles by GC/MS

Method: 8270 Analyzed: 06/09/08

Units: ug/kg dry

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Pyridine	ND		53	
2-Picoline	ND		53	
Methyl methanesulfonate	ND		53	
Ethyl methanesulfonate	ND		53	
Phenol	ND		53	
Bis(2-chloroethyl)ether	ND		53	

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LABORATORY RESULTS

Name:	**NORTH CHICAGO**		
Project/Facility Number:	0971255020	Date Received :	05/29/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	6.00
Client Sample ID:	**X109A**	Lab Sample ID:	**S806185-03**
Matrix:	Soil	Collected By: KWC	Date/Time Collected: 05/28/08 13:20
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/09/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
2-Chlorophenol	ND	J3	53	
3-Dichlorobenzene	ND		53	
-Dichlorobenzene	ND		53	
1,2-Dichlorobenzene	ND		53	
2-Methylphenol	**370**	J3	53	
2,2'-Oxybis(1-chloropropane)	ND		53	
Acetophenone	ND		53	
4-Methylphenol	**360**	J3	53	
N-Nitrosodi-n-propylamine	ND	J3	53	
Hexachloroethane	ND	J3	53	
Nitrobenzene	ND	J3	53	
N-Nitrosopiperidine	ND	J3	53	
Isophorone	ND	J3	53	
2-Nitrophenol	ND	J3	53	
2,4-Dimethylphenol	ND	J3	53	
Bis(2-chloroethoxy)methane	ND	J3	53	
2,4-Dichlorophenol	ND		53	
1,2,4-Trichlorobenzene	ND	J3	53	
Naphthalene	ND		53	
4-Chloroaniline	ND		53	
2,6-Dichlorophenol	ND	J3	53	
Hexachloropropene	ND		53	
Hexachlorobutadiene	ND		53	
N-Nitrosodi-n-butylamine	ND	J3	53	

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06/20/08 15:51

Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	05/29/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	6.00
Client Sample ID:	**X109A**	Lab Sample ID:	**S806185-03**
Matrix:	Soil	Collected By: KWC	Date/Time Collected: 05/28/08 13:20
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/09/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
4-Chloro-3-methylphenol	ND	J3	53	
·osafrole	ND	J3	53	
Iethylnaphthalene	ND		53	
ı,2,4,5-Tetrachlorobenzene	ND	J3	53	
Hexachlorocyclopentadiene	ND		180	
2,4,6-Trichlorophenol	ND	J3	53	
2,4,5-Trichlorophenol	ND	J3	53	
Safrole	ND	J3	53	
2-Chloronaphthalene	ND	J3	53	
1-Chloronaphthalene	ND	J3	53	
2-Nitroaniline	ND	J3	53	
1,4-Dinitrobenzene	ND	J3	53	
Dimethylphthalate	ND	J3	53	
1,3-Dinitrobenzene	ND		53	
2,6-Dinitrotoluene	ND	J3	53	
Acenaphthylene	ND	J3	53	
1,2-Dinitrobenzene	ND	J3	53	
3-Nitroaniline	ND		53	
Acenaphthene	ND	J3	53	
2,4-Dinitrophenol	ND		180	
4-Nitrophenol	ND		53	
Dibenzofuran	ND	J3	53	
2,4-Dinitrotoluene	ND	J3	53	
Pentachlorobenzene	ND	J3	53	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	05/29/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	6.00
Client Sample ID:	**X109A**	Lab Sample ID:	**S806185-03**
Matrix:	Soil	Collected By: KWC	Date/Time Collected: 05/28/08 13:20
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/09/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
1-Naphthylamine	ND		180	
^ Naphthylamine	ND		53	
,4,6-Tetrachlorophenol	ND	J3	53	
Diethylphthalate	**70**	V, J3	53	
4-Chlorophenyl phenyl ether	ND	J3	53	
Fluorene	ND	J3	53	
4-Nitroaniline	ND	J3	53	
4,6-Dinitro-2-methylphenol	ND		350	
Diphenylamine	ND		53	
Azobenzene *	ND	J3	53	
Phenacetin	ND	J3	53	
4-Bromophenyl phenyl ether	ND	J3	53	
Hexachlorobenzene	ND	J3	53	
Pentachlorophenol	ND		530	
Pronamide	ND	J3	53	
Pentachloronitrobenzene	ND	J3	53	
Phenanthrene	ND		53	
Anthracene	ND	J3	53	
Carbazole	ND	J3	53	
4-Nitrobiphenyl	ND		53	
Di-n-butylphthalate	**190**	V, J3	53	
5-Nitroacenaphthene	ND	J3	53	
Isodrin	ND		53	
Fluoranthene	ND		53	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	05/29/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	6.00
Client Sample ID:	**X109A**	Lab Sample ID:	**S806185-03**
Matrix:	Soil	Collected By: KWC	Date/Time Collected: 05/28/08 13:20
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/09/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Pyrene	ND		53	
'Dimethylaminoazobenzene	ND		53	
.yl benzyl phthalate	ND		53	
3,3'-Dichlorobenzidine	ND		53	
Benzo(a)anthracene	ND		53	
Chrysene	ND		53	
Bis(2-ethylhexyl)phthalate	ND		180	
Mestranol	ND		53	
Di-n-octylphthalate	ND		53	
Benzo(b)fluoranthene	ND		53	
7,12-Dimethylbenzo(a)anthracene	ND	J5	53	
Benzo(k)fluoranthene	ND		53	
Benzo(a)pyrene	ND		53	
Indeno(1,2,3-cd)pyrene	ND		53	
Dibenzo(a,h)anthracene	ND		53	
Benzo(ghi)perylene	ND		53	

pH *

Method:	150.1	Analyzed:	06/10/08
Units:	PH		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level

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LABORATORY RESULTS

Name:	**NORTH CHICAGO**		
Project/Facility Number:	0971255020	Date Received :	05/29/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	6.00
Client Sample ID:	**X109A**	Lab Sample ID:	**S806185-03**
Matrix:	Soil	Collected By: KWC	Date/Time Collected: 05/28/08 13:20
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

pH *

Method:	150.1	Analyzed:	06/10/08
Units:	PH		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
pH	**7.20**		0.10	

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LABORATORY RESULTS

Name:	**NORTH CHICAGO**		
Project/Facility Number:	0971255020	Date Received :	05/29/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	6.00
Client Sample ID:	**X109B**	Lab Sample ID:	**S806185-04**
Matrix:	Soil	Collected By: KWC	Date/Time Collected: 05/28/08 15:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Analyzed:	05/29/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Chloromethane	ND		1.9	
nyl chloride	**2.3**		1.9	
momethane	ND		1.9	
Chloroethane	ND		1.9	
Trichlorofluoromethane	ND		1.9	
Acetone	ND		9.7	
1,1-Dichloroethene	ND		1.9	
Methylene chloride	ND		4.9	
Carbon disulfide	ND		1.9	
trans-1,2-Dichloroethene	ND		1.9	
Methyl tert-butyl ether	ND		1.9	
1,1-Dichloroethane	**6.0**		1.9	
2-Butanone (MEK)	ND		9.7	
cis-1,2-Dichloroethene	**29**		1.9	
Bromochloromethane	ND		1.9	
Chloroform	ND		1.9	
2,2-Dichloropropane	ND		1.9	
1,2-Dichloroethane	ND		1.9	
1,1,1-Trichloroethane	**2.5**		1.9	
1,1-Dichloropropene	ND		1.9	
Carbon tetrachloride	ND		1.9	
Benzene	**110**		1.9	
Dibromomethane	ND		1.9	
1,2-Dichloropropane	ND		1.9	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	05/29/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	6.00
Client Sample ID:	**X109B**	Lab Sample ID:	**S806185-04**
Matrix:	Soil	Collected By: KWC	Date/Time Collected: 05/28/08 15:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Analyzed:	05/29/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Trichloroethene	**19**		1.9	
omodichloromethane	ND		1.9	
1,3-Dichloropropene	ND		1.9	
4-Methyl-2-pentanone (MIBK)	ND		1.9	
trans-1,3-Dichloropropene	ND		1.9	
1,1,2-Trichloroethane	ND		1.9	
Toluene	**190**	L, J1	1.9	
1,3-Dichloropropane	ND	J1	1.9	
2-Hexanone (MBK)	ND	J1	1.9	
Dibromochloromethane	ND	J1	1.9	
1,2-Dibromoethane	ND	J1	1.9	
Tetrachloroethene	**57**	J1	1.9	
1,1,1,2-Tetrachloroethane	ND	J1	1.9	
Chlorobenzene	ND	J1	1.9	
Ethylbenzene	**190**	J2, J1	1.9	
Bromoform	ND	J1	1.9	
Styrene	**14**	J1	1.9	
1,1,2,2-Tetrachloroethane	ND	J1	1.9	
Xylenes, total	**580**	L, J1	1.9	
1,2,3-Trichloropropane	ND	J1	1.9	
Isopropylbenzene	**190**	J1	1.9	
Bromobenzene	ND	J1	1.9	

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LABORATORY RESULTS

Name:	**NORTH CHICAGO**		
Project/Facility Number:	0971255020	Date Received :	05/29/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	6.00
Client Sample ID:	**X109B**	Lab Sample ID:	**S806185-04**
Matrix:	Soil	Collected By: KWC	Date/Time Collected: 05/28/08 15:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

pH *

Method:	150.1	Analyzed:	06/10/08
Units:	PH		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
pH	**7.30**		0.10	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	05/29/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	6.00
Client Sample ID:	**X106**	Lab Sample ID:	**S806185-05**
Matrix:	Soil	Collected By: KWC	Date/Time Collected: 05/28/08 17:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Pesticides/PCBs by ECD

Method:	8081/8082	Analyzed:	06/10/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
alpha-BHC	ND		5.5	
beta-BHC	ND		5.5	
ta-BHC	ND		5.5	
gamma-BHC	ND		5.5	
Heptachlor	ND		5.5	
Aldrin	ND		5.5	
Heptachlor epoxide	ND		5.5	
Endosulfan I	ND		5.5	
Dieldrin	ND		5.5	
p,p'-DDE	ND		5.5	
Endrin	**12**		5.5	
Endosulfan II	ND		5.5	
p,p'-DDD	ND		5.5	
Endosulfan sulfate	ND		5.5	
p,p'-DDT	ND		5.5	
Methoxychlor	ND		27	
Endrin ketone	ND		5.5	
Endrin aldehyde	ND		5.5	
alpha-Chlordane	ND		11	
gamma-Chlordane	ND		11	
Toxaphene	ND		110	
Aroclor 1016	ND		11	
Aroclor 1221	ND		11	
Aroclor 1232	ND		11	

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LABORATORY RESULTS

Name:	**NORTH CHICAGO**		
Project/Facility Number:	0971255020	Date Received :	05/29/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	6.00
Client Sample ID:	**X106**	Lab Sample ID:	**S806185-05**
Matrix:	Soil	Collected By: KWC	Date/Time Collected: 05/28/08 17:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Pesticides/PCBs by ECD

Method: 8081/8082 Analyzed: 06/10/08

Units: ug/kg dry

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Aroclor 1242	ND		11	
Aroclor 1248	ND		11	
Aroclor 1254	ND		11	
Aroclor 1260	ND		11	

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Analyzed: 05/30/08

Units: ug/kg dry

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Chloromethane	ND		2.0	
Vinyl chloride	ND		2.0	
Bromomethane	ND		2.0	
Chloroethane	ND		2.0	
Trichlorofluoromethane	ND		2.0	
Acetone	ND		10	
1,1-Dichloroethene	ND		2.0	
Methylene chloride	ND		5.0	
Carbon disulfide	ND		2.0	
trans-1,2-Dichloroethene	ND		2.0	
Methyl tert-butyl ether	ND		2.0	
1,1-Dichloroethane	ND		2.0	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	05/29/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	6.00

Client Sample ID:	**X106**	Lab Sample ID:	**S806185-05**
Matrix:	Soil	Collected By: KWC	Date/Time Collected: 05/28/08 17:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Analyzed:	05/30/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
2-Butanone (MEK)	ND		10	
-1,2-Dichloroethene	ND		2.0	
mochloromethane	ND		2.0	
Chloroform	ND		2.0	
2,2-Dichloropropane	ND		2.0	
1,2-Dichloroethane	ND		2.0	
1,1,1-Trichloroethane	ND		2.0	
1,1-Dichloropropene	ND		2.0	
Carbon tetrachloride	ND		2.0	
Benzene	ND		2.0	
Dibromomethane	ND		2.0	
1,2-Dichloropropane	ND		2.0	
Trichloroethene	ND		2.0	
Bromodichloromethane	ND		2.0	
cis-1,3-Dichloropropene	ND		2.0	
4-Methyl-2-pentanone (MIBK)	ND		2.0	
trans-1,3-Dichloropropene	ND		2.0	
1,1,2-Trichloroethane	ND		2.0	
Toluene	**16**		2.0	
1,3-Dichloropropane	ND		2.0	
2-Hexanone (MBK)	ND		2.0	
Dibromochloromethane	ND		2.0	
1,2-Dibromoethane	ND		2.0	
Tetrachloroethene	ND		2.0	

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Illinois Environmental Protection Agency Laboratory

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	05/29/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	6.00

Client Sample ID:	**X106**	Lab Sample ID:	**S806185-05**
Matrix: Soil	Collected By: KWC	Date/Time Collected:	05/28/08 17:00
Sample Type:	Sample Depth: 0 Feet	Total Depth:	Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Analyzed: 05/30/08

Units: ug/kg dry

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
1,1,1,2-Tetrachloroethane	ND		2.0	
''lorobenzene	ND		2.0	
.ylbenzene	ND		2.0	
Bromoform	ND		2.0	
Styrene	ND		2.0	
1,1,2,2-Tetrachloroethane	ND		2.0	
Xylenes, total	ND		2.0	
1,2,3-Trichloropropane	ND		2.0	
Isopropylbenzene	ND		2.0	
Bromobenzene	ND		2.0	

Semivolatiles by GC/MS

Method: 8270 Analyzed: 06/10/08

Units: ug/kg dry

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Pyridine	ND		54	
2-Picoline	ND		54	
Methyl methanesulfonate	ND		54	
Ethyl methanesulfonate	ND		54	
Phenol	ND		54	
Bis(2-chloroethyl)ether	ND		54	

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LABORATORY RESULTS

Name:	**NORTH CHICAGO**		
Project/Facility Number:	0971255020	Date Received :	05/29/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	6.00
Client Sample ID:	**X106**	Lab Sample ID:	**S806185-05**
Matrix:	Soil	Collected By: KWC	Date/Time Collected: 05/28/08 17:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/10/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
2-Chlorophenol	ND		54	
3-Dichlorobenzene	ND		54	
-Dichlorobenzene	ND		54	
1,2-Dichlorobenzene	ND		54	
2-Methylphenol	ND		54	
2,2'-Oxybis(1-chloropropane)	ND		54	
Acetophenone	ND		54	
4-Methylphenol	ND		54	
N-Nitrosodi-n-propylamine	ND		54	
Hexachloroethane	ND		54	
Nitrobenzene	ND		54	
N-Nitrosopiperidine	ND		54	
Isophorone	ND		54	
2-Nitrophenol	ND		54	
2,4-Dimethylphenol	ND		54	
Bis(2-chloroethoxy)methane	ND		54	
2,4-Dichlorophenol	ND		54	
1,2,4-Trichlorobenzene	ND		54	
Naphthalene	ND		54	
4-Chloroaniline	ND		54	
2,6-Dichlorophenol	ND		54	
Hexachloropropene	ND		54	
Hexachlorobutadiene	ND		54	
N-Nitrosodi-n-butylamine	ND		54	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	05/29/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	6.00

Client Sample ID:	**X106**			Lab Sample ID:	**S806185-05**
Matrix:	Soil	Collected By:	KWC	Date/Time Collected:	05/28/08 17:00
Sample Type:		Sample Depth:	0 Feet	Total Depth:	Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/10/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
4-Chloro-3-methylphenol	ND		54	
›safrole	ND		54	
1ethylnaphthalene	ND		54	
1,2,4,5-Tetrachlorobenzene	ND		54	
Hexachlorocyclopentadiene	ND		190	
2,4,6-Trichlorophenol	ND		54	
2,4,5-Trichlorophenol	ND		54	
Safrole	ND		54	
2-Chloronaphthalene	ND		54	
1-Chloronaphthalene	ND		54	
2-Nitroaniline	ND		54	
1,4-Dinitrobenzene	ND		54	
Dimethylphthalate	ND		54	
1,3-Dinitrobenzene	ND		54	
2,6-Dinitrotoluene	ND		54	
Acenaphthylene	ND		54	
1,2-Dinitrobenzene	ND		54	
3-Nitroaniline	ND		54	
Acenaphthene	ND		54	
2,4-Dinitrophenol	ND		190	
4-Nitrophenol	ND		54	
Dibenzofuran	ND		54	
2,4-Dinitrotoluene	ND		54	
Pentachlorobenzene	ND		54	

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Illinois Environmental Protection Agency Laboratory

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	05/29/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	6.00

Client Sample ID:	**X106**			Lab Sample ID:	**S806185-05**
Matrix:	Soil	Collected By:	KWC	Date/Time Collected:	05/28/08 17:00
Sample Type:		Sample Depth:	0 Feet	Total Depth:	Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/10/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
1-Naphthylamine	ND		190	
ˆ Naphthylamine	ND		54	
,4,6-Tetrachlorophenol	ND		54	
Diethylphthalate	ND		54	
4-Chlorophenyl phenyl ether	ND		54	
Fluorene	ND		54	
4-Nitroaniline	ND		54	
4,6-Dinitro-2-methylphenol	ND		360	
Diphenylamine	ND		54	
Azobenzene *	ND		54	
Phenacetin	ND		54	
4-Bromophenyl phenyl ether	ND		54	
Hexachlorobenzene	ND		54	
Pentachlorophenol	ND		540	
Pronamide	ND		54	
Pentachloronitrobenzene	ND		54	
Phenanthrene	ND		54	
Anthracene	ND		54	
Carbazole	ND		54	
4-Nitrobiphenyl	ND		54	
Di-n-butylphthalate	**140**	V	54	
5-Nitroacenaphthene	ND		54	
Isodrin	ND		54	
Fluoranthene	ND		54	

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Reported:
06/20/08 15:51

Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	05/29/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	6.00

Client Sample ID:	**X106**	Lab Sample ID:	**S806185-05**
Matrix:	Soil	Collected By: KWC	Date/Time Collected: 05/28/08 17:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/10/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Pyrene	**56**		54	
Dimethylaminoazobenzene	ND		54	
yl benzyl phthalate	ND		54	
3,3'-Dichlorobenzidine	ND		54	
Benzo(a)anthracene	ND		54	
Chrysene	ND		54	
Bis(2-ethylhexyl)phthalate	ND		190	
Mestranol	ND		54	
Di-n-octylphthalate	ND		54	
Benzo(b)fluoranthene	ND		54	
7,12-Dimethylbenzo(a)anthracene	ND	J5	54	
Benzo(k)fluoranthene	ND		54	
Benzo(a)pyrene	ND		54	
Indeno(1,2,3-cd)pyrene	ND		54	
Dibenzo(a,h)anthracene	ND		54	
Benzo(ghi)perylene	ND		54	

pH *

Method:	150.1	Analyzed:	06/10/08
Units:	PH		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level

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Reported:
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Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	**NORTH CHICAGO**		
Project/Facility Number:	0971255020	Date Received :	05/29/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	6.00
Client Sample ID:	**X106**	Lab Sample ID:	**S806185-05**
Matrix:	Soil	Collected By: KWC	Date/Time Collected: 05/28/08 17:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

pH *

Method:	150.1	Analyzed:	06/10/08
Units:	PH		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
pH	**7.60**		0.10	

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Illinois Environmental Protection Agency Laboratory

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LABORATORY RESULTS

Name:	**NORTH CHICAGO**		
Project/Facility Number:	0971255020	Date Received :	05/29/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	6.00
Client Sample ID:	**X108**	Lab Sample ID:	**S806185-06**
Matrix:	Soil-- methanol	Collected By: KWC	Date/Time Collected: 05/28/08 12:30
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Analyzed:	05/29/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Xylenes, total	**6100**		210	

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Reported:
06/20/08 15:51

Illinois Environmental Protection Agency Laboratory

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	05/29/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	6.00

Client Sample ID:	**X109A**	Lab Sample ID:	**S806185-07**
Matrix:	Soil-- methanol	Collected By: KWC	Date/Time Collected: 05/28/08 13:20
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Analyzed:	05/30/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Toluene	**66000**		210	
hylbenzene	**3100**		210	
enes, total	**17000**		210	

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Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	05/29/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	6.00

Client Sample ID:	**X109B**	Lab Sample ID:	**S806185-08**
Matrix:	Soil-- methanol	Collected By: KWC	Date/Time Collected: 05/28/08 15:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Analyzed:	05/30/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Toluene	**170000**		210	
‘hylbenzene	**3600**		210	
.enes, total	**32000**		210	

Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	05/29/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	6.00

Notes and Definitions

V	Indicates the analyte was detected in both the sample and the associated method blank and was outside method blank acceptance criteria.
L	Actual value not known, but known to be greater than value shown. To be used when the concentration of the analyte is above the acceptable level for quantitation. Value shown is the highest acceptable level for quantitation.
J5	Blank spike failed high, result was non-detect - impact on data may be minimal.
J3	The reported value failed to meet the established quality control criteria for either precision or accuracy possibly due to matrix effects.
J2	Internal Standard criteria was not met.
J1	Surrogate compound recovery limits have not been met.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
*	Non-NELAP accredited

Method 8260 samples S806185-01, -02, and -04: Tentatively Identified Compounds (TICs) were detected in the volatile analysis. Please contact the laboratory if additional information about the TICs is needed.

Method 8270 samples S806185-01, -02, -03, and -05: Tentatively Identified Compounds (TICs) were detected in the semivolatile analysis. Please contact the laboratory if additional information about the TICs is needed.

EPA Laboratory

Report Authorized by:

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Reported:
06/20/08 15:51

8270

Illinois Environmental Protection Agency Chain of Custody

Preservative Codes	Container Description: Soil	Container Description: Aqueous
1. None		
2. VOA - HCl	VOC - 2 oz. glass (2)	VOC - 40 mL glass (3)
3. Metals - HNO3	SVOC - 8 oz. glass (1)	SVOC, Pest/PCB - 40 oz amber glass (1)*
4. Cyanide - NaOH	Pest/PCB - 8 oz. glass (1)	
5. Other:	Inorganics - 16 oz. glass (1)	Inorganics - 1 qt. plastic (1)
6. Other		* duplicate 1 out of 10

Fund:	LPC#:	Locality:	Cooler Initially Sealed By:	Date Initially Sealed
PR50	0971255020		[illegible]	5-24-08
Section:	Site Name:	Project Manager:	Phone Number:	Initial Cooler Seal #
	North Chicago (a.k.a Chemical Packing)	Jim Salch	217-785-8726	009

Lab Sample No.	Parameter Group: VOC	SVOC	Pest.	PCB	pH			Field Sample Number	Matrix	No. of Bottles	Date Collected	Time Collected (24 hr clock)	Sampler's Initials	Special Notations	Legal Hold Y or N
S806243-01	X	X	X	X	X			X101	soil	2	5-29-08	1100	JA		
S806243-02		X	X	X	X			X104A	soil	1	5-29-08	1520	JA		
S806243-03	X	X	X	X	X			X126	soil	2	5-29-08	1650	JA	MS/MSD	
S806243-04	X	X	X	X	X			X176	soil	2	5-29-08	1650	JA		

Opener: I certify that I received the sample shipping container with the shipping container sealed and intact.

Cooler Opened by:	Seal No:	Date:	Time:	Intact
Tony Wasilewski	009	5-28-08	1600	Y-N
				Y-N

Sealer : I certify that the samples listed above were collected in my presence and sealed by me.

Cooler Sealed By:	Seal No.:	Date:	Time:
Tony Wasilewski	022	5-29-08	1715

I certify that I received the cooler containing the above samples with the seal(s) intact.

Received for Lab by:	Seal No:	Date:	Time:	Intact:
SCOTT CLARK [signature]	022	5/30	9:30	Y-N

Sample Courier: UPS

Turnaround Time Requested:

Samplers: Jim Salch

Lab Comments:

Supervisor Releasing Results: [signature] Date: 6/25/08

8270

Illinois Environmental Protection Agency Chain of Custody

Preservative Codes	Container Description: Soil	Container Description: Aqueous
1. None	VOC - 2 oz. glass (2)	VOC - 40 mL glass (3)
2. VOA - HCl	SVOC - 8 oz. glass (1)	SVOC, Pest/PCB - 40 oz amber glass (1)*
3. Metals - HNO3	Pest/PCB - 8 oz. glass (1)	Inorganics - 1 qt. plastic (1)
4. Cyanide - NaOH	Inorganics - 16 oz. glass (1)	* duplicate 1 out of 10
5. Other:		
6. Other		

Fund:	LPC#:	Locality:	Cooler Initially Sealed By:	Date Initially Sealed
PR50	0971255020		[illegible]	5-24-08
Section:	**Site Name:**	**Project Manager:**	**Phone Number:**	**Initial Cooler Seal #**
	North Chicago	Jim Salch	217-785-8726	009

(a.k.a Chemical Packing)

Lab Sample No.	Parameter Group: VOC	SVOC	Pest. PCB	pH			Field Sample Number	Matrix	No. of Bottles	Date Collected	Time Collected (24 hr clock)	Sampler's Initials	Special Notations	Legal Hold Y or N
	X	X	X	X	X		X101	soil	2	5-29-08	1100	JA		
		X	X	X	X		X104A	soil	1	5-29-08	1520	JA		
	X	X	X	X	X		X126	soil	2	5-29-08	1650	JA	MS/MSD	
	X	X	X	X	X		X176	soil	2	5-29-08	1650	JA		
						1650								
						X176								

Opener: I certify that I received the sample shipping container with the shipping container sealed and intact.

Cooler Opened by:	Seal No:	Date:	Time:	Intact
Tony Wasilewski	009	5-28-08	1600	Y-N
				Y-N

Sealer : I certify that the samples listed above were collected in my presence and sealed by me.

Cooler Sealed By:	Seal No.:	Date:	Time:
Tony Wasilewski	022	5-29-08	1745

I certify that I received the cooler containing the above samples with the seal(s) intact.

Received for Lab by:	Seal No:	Date:	Time:	Intact:
SCOTT CLARK [illegible]	022	5/30	9:30	Y-N

Sample Courier: UPS

Turnaround Time Requested:

Samplers: Jim Salch

Lab Comments:

Supervisor Releasing Results: [illegible] Date: 6/5/08

Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	**NORTH CHICAGO**		
Project/Facility Number:	0971255020	Date Received :	05/30/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00
Client Sample ID:	**X101**	Lab Sample ID:	**S806243-01**
Matrix:	Soil	Collected By: JA	Date/Time Collected: 05/29/08 11:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Pesticides/PCBs by ECD

Method:	8081/8082	Analyzed:	06/10/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
alpha-BHC	ND		6.0	
·ta-BHC	ND		6.0	
.a-BHC	ND		6.0	
gamma-BHC	ND		6.0	
Heptachlor	ND		6.0	
Aldrin	ND		6.0	
Heptachlor epoxide	ND		6.0	
Endosulfan I	ND		6.0	
Dieldrin	ND		6.0	
p,p'-DDE	ND		6.0	
Endrin	ND		6.0	
Endosulfan II	ND		6.0	
p,p'-DDD	ND		6.0	
Endosulfan sulfate	ND		6.0	
p,p'-DDT	ND		6.0	
Methoxychlor	ND		30	
Endrin ketone	ND		6.0	
Endrin aldehyde	ND		6.0	
alpha-Chlordane	ND		12	
gamma-Chlordane	ND		12	
Toxaphene	ND		120	
Aroclor 1016	ND		12	
Aroclor 1221	ND		12	
Aroclor 1232	ND		12	

'A Laboratory

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Reported:
06/24/08 14:54

Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	05/30/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00
Client Sample ID:	**X101**	Lab Sample ID:	**S806243-01**
Matrix:	Soil	Collected By: JA	Date/Time Collected: 05/29/08 11:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Pesticides/PCBs by ECD

Method:	8081/8082	Analyzed:	06/10/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Aroclor 1242	ND		12	
Aroclor 1248	ND		12	
Aroclor 1254	ND		12	
Aroclor 1260	ND		12	

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Analyzed:	05/30/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Chloromethane	ND		2.1	
Vinyl chloride	ND		2.1	
Bromomethane	ND		2.1	
Chloroethane	ND		2.1	
Trichlorofluoromethane	ND		2.1	
Acetone	ND		11	
1,1-Dichloroethene	ND		2.1	
Methylene chloride	ND		5.3	
Carbon disulfide	ND		2.1	
trans-1,2-Dichloroethene	ND		2.1	
Methyl tert-butyl ether	ND		2.1	
1,1-Dichloroethane	ND		2.1	

Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	05/30/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00
Client Sample ID:	**X101**	Lab Sample ID:	**S806243-01**
Matrix: Soil	Collected By: JA	Date/Time Collected:	05/29/08 11:00
Sample Type:	Sample Depth: 0 Feet	Total Depth:	Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Analyzed:	05/30/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
2-Butanone (MEK)	ND		11	
-1,2-Dichloroethene	ND		2.1	
mochloromethane	ND		2.1	
Chloroform	ND		2.1	
2,2-Dichloropropane	ND		2.1	
1,2-Dichloroethane	ND		2.1	
1,1,1-Trichloroethane	ND		2.1	
1,1-Dichloropropene	ND		2.1	
Carbon tetrachloride	ND		2.1	
Benzene	ND		2.1	
Dibromomethane	ND		2.1	
1,2-Dichloropropane	ND		2.1	
Trichloroethene	ND		2.1	
Bromodichloromethane	ND		2.1	
cis-1,3-Dichloropropene	ND		2.1	
4-Methyl-2-pentanone (MIBK)	ND		2.1	
trans-1,3-Dichloropropene	ND		2.1	
1,1,2-Trichloroethane	ND		2.1	
Toluene	ND		2.1	
1,3-Dichloropropane	ND		2.1	
2-Hexanone (MBK)	ND		2.1	
Dibromochloromethane	ND		2.1	
1,2-Dibromoethane	ND		2.1	
Tetrachloroethene	ND		2.1	

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Illinois Environmental Protection Agency Laboratory

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	05/30/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00
Client Sample ID:	**X101**	Lab Sample ID:	**S806243-01**
Matrix:	Soil	Collected By: JA	Date/Time Collected: 05/29/08 11:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Analyzed: 05/30/08

Units: ug/kg dry

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
1,1,1,2-Tetrachloroethane	ND		2.1	
˜'lorobenzene	ND		2.1	
.ylbenzene	ND		2.1	
Bromoform	ND		2.1	
Styrene	ND		2.1	
1,1,2,2-Tetrachloroethane	ND		2.1	
Xylenes, total	ND		2.1	
1,2,3-Trichloropropane	ND		2.1	
Isopropylbenzene	ND		2.1	
Bromobenzene	ND		2.1	

Semivolatiles by GC/MS

Method: 8270 Analyzed: 06/10/08

Units: ug/kg dry

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Pyridine	ND		60	
2-Picoline	ND		60	
Methyl methanesulfonate	ND		60	
Ethyl methanesulfonate	ND		60	
Phenol	ND		60	
Bis(2-chloroethyl)ether	ND		60	

'A Laboratory

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Reported:
06/24/08 14:54

Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	05/30/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00
Client Sample ID:	**X101**	Lab Sample ID:	**S806243-01**
Matrix:	Soil	Collected By: JA	Date/Time Collected: 05/29/08 11:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/10/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
2-Chlorophenol	ND		60	
3-Dichlorobenzene	ND		60	
-Dichlorobenzene	ND		60	
1,2-Dichlorobenzene	ND		60	
2-Methylphenol	ND		60	
2,2'-Oxybis(1-chloropropane)	ND		60	
Acetophenone	ND		60	
4-Methylphenol	ND		60	
N-Nitrosodi-n-propylamine	ND		60	
Hexachloroethane	ND		60	
Nitrobenzene	ND		60	
N-Nitrosopiperidine	ND		60	
Isophorone	ND		60	
2-Nitrophenol	ND		60	
2,4-Dimethylphenol	ND		60	
Bis(2-chloroethoxy)methane	ND		60	
2,4-Dichlorophenol	ND		60	
1,2,4-Trichlorobenzene	ND		60	
Naphthalene	ND		60	
4-Chloroaniline	ND		60	
2,6-Dichlorophenol	ND		60	
Hexachloropropene	ND		60	
Hexachlorobutadiene	ND		60	
N-Nitrosodi-n-butylamine	ND		60	

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Reported:
06/24/08 14:54

Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	05/30/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00
Client Sample ID:	**X101**	Lab Sample ID:	**S806243-01**
Matrix:	Soil	Collected By: JA	Date/Time Collected: 05/29/08 11:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/10/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
4-Chloro-3-methylphenol	ND		60	
›safrole	ND		60	
Iethylnaphthalene	ND		60	
1,2,4,5-Tetrachlorobenzene	ND		60	
Hexachlorocyclopentadiene	ND		200	
2,4,6-Trichlorophenol	ND		60	
2,4,5-Trichlorophenol	ND		60	
Safrole	ND		60	
2-Chloronaphthalene	ND		60	
1-Chloronaphthalene	ND		60	
2-Nitroaniline	ND		60	
1,4-Dinitrobenzene	ND		60	
Dimethylphthalate	ND		60	
1,3-Dinitrobenzene	ND		60	
2,6-Dinitrotoluene	ND		60	
Acenaphthylene	ND		60	
1,2-Dinitrobenzene	ND		60	
3-Nitroaniline	ND		60	
Acenaphthene	ND		60	
2,4-Dinitrophenol	ND		200	
4-Nitrophenol	ND		60	
Dibenzofuran	ND		60	
2,4-Dinitrotoluene	ND		60	
Pentachlorobenzene	ND		60	

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. Test results meet all requirements of NELAC.

Reported:
06/24/08 14:54

Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	05/30/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00

Client Sample ID:	**X101**	Lab Sample ID:	**S806243-01**
Matrix: Soil	Collected By: JA	Date/Time Collected:	05/29/08 11:00
Sample Type:	Sample Depth: 0 Feet	Total Depth:	Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/10/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
1-Naphthylamine	ND		200	
^ Naphthylamine	ND		60	
,4,6-Tetrachlorophenol	ND		60	
Diethylphthalate	ND		60	
4-Chlorophenyl phenyl ether	ND		60	
Fluorene	ND		60	
4-Nitroaniline	ND		60	
4,6-Dinitro-2-methylphenol	ND		390	
Diphenylamine	ND		60	
Azobenzene *	ND		60	
Phenacetin	ND		60	
4-Bromophenyl phenyl ether	ND		60	
Hexachlorobenzene	ND		60	
Pentachlorophenol	ND		600	
Pronamide	ND		60	
Pentachloronitrobenzene	ND		60	
Phenanthrene	ND		60	
Anthracene	ND		60	
Carbazole	ND		60	
4-Nitrobiphenyl	ND		60	
Di-n-butylphthalate	**240**	V	60	
5-Nitroacenaphthene	ND		60	
Isodrin	ND		60	
Fluoranthene	ND		60	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	05/30/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00
Client Sample ID:	**X101**	Lab Sample ID:	**S806243-01**
Matrix:	Soil	Collected By: JA	Date/Time Collected: 05/29/08 11:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/10/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Pyrene	ND		60	
Dimethylaminoazobenzene	ND		60	
yl benzyl phthalate	ND		60	
3,3'-Dichlorobenzidine	ND		60	
Benzo(a)anthracene	ND		60	
Chrysene	ND		60	
Bis(2-ethylhexyl)phthalate	ND		200	
Mestranol	ND		60	
Di-n-octylphthalate	ND		60	
Benzo(b)fluoranthene	ND		60	
7,12-Dimethylbenzo(a)anthracene	ND	J5	60	
Benzo(k)fluoranthene	ND		60	
Benzo(a)pyrene	ND		60	
Indeno(1,2,3-cd)pyrene	ND		60	
Dibenzo(a,h)anthracene	ND		60	
Benzo(ghi)perylene	ND		60	

pH *

Method:	150.1	Analyzed:	06/10/08
Units:	PH		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level

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LABORATORY RESULTS

Name:	**NORTH CHICAGO**		
Project/Facility Number:	0971255020	Date Received :	05/30/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00
Client Sample ID:	**X101**	Lab Sample ID:	**S806243-01**
Matrix:	Soil	Collected By: JA	Date/Time Collected: 05/29/08 11:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

pH *

Method:	150.1	Analyzed:	06/10/08
Units:	PH		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
pH	**6.60**		0.10	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	05/30/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00
Client Sample ID:	**X104A**	Lab Sample ID:	**S806243-02**
Matrix:	Soil	Collected By: JA	Date/Time Collected: 05/29/08 15:20
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Pesticides/PCBs by ECD

Method:	8081/8082	Analyzed:	06/10/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
alpha-BHC	ND		5.6	
a-BHC	ND		5.6	
a-BHC	ND		5.6	
gamma-BHC	ND		5.6	
Heptachlor	ND		5.6	
Aldrin	ND		5.6	
Heptachlor epoxide	ND		5.6	
Endosulfan I	ND		5.6	
Dieldrin	ND		5.6	
p,p'-DDE	ND		5.6	
Endrin	**13**		5.6	
Endosulfan II	ND		5.6	
p,p'-DDD	ND		5.6	
Endosulfan sulfate	ND		5.6	
p,p'-DDT	ND		5.6	
Methoxychlor	ND		28	
Endrin ketone	ND		5.6	
Endrin aldehyde	ND		5.6	
alpha-Chlordane	ND		11	
gamma-Chlordane	ND		11	
Toxaphene	ND		110	
Aroclor 1016	ND		11	
Aroclor 1221	ND		11	
Aroclor 1232	ND		11	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	05/30/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00

Client Sample ID:	**X104A**	Lab Sample ID:	**S806243-02**
Matrix:	Soil	Collected By: JA	Date/Time Collected: 05/29/08 15:20
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Pesticides/PCBs by ECD

Method:	8081/8082	Analyzed:	06/10/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Aroclor 1242	ND		11	
Aroclor 1248	ND		11	
Aroclor 1254	ND		11	
Aroclor 1260	ND		11	

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/10/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Pyridine	ND		56	
2-Picoline	ND		56	
Methyl methanesulfonate	ND		56	
Ethyl methanesulfonate	ND		56	
Phenol	ND		56	
Bis(2-chloroethyl)ether	ND		56	
2-Chlorophenol	ND		56	
1,3-Dichlorobenzene	ND		56	
1,4-Dichlorobenzene	ND		56	
1,2-Dichlorobenzene	ND		56	
2-Methylphenol	ND		56	
2,2'-Oxybis(1-chloropropane)	ND		56	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	05/30/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00
Client Sample ID:	**X104A**	Lab Sample ID:	**S806243-02**
Matrix:	Soil	Collected By: JA	Date/Time Collected: 05/29/08 15:20
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/10/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Acetophenone	ND		56	
Methylphenol	ND		56	
Nitrosodi-n-propylamine	ND		56	
Hexachloroethane	ND		56	
Nitrobenzene	ND		56	
N-Nitrosopiperidine	ND		56	
Isophorone	ND		56	
2-Nitrophenol	ND		56	
2,4-Dimethylphenol	ND		56	
Bis(2-chloroethoxy)methane	ND		56	
2,4-Dichlorophenol	ND		56	
1,2,4-Trichlorobenzene	ND		56	
Naphthalene	ND		56	
4-Chloroaniline	ND		56	
2,6-Dichlorophenol	ND		56	
Hexachloropropene	ND		56	
Hexachlorobutadiene	ND		56	
N-Nitrosodi-n-butylamine	ND		56	
4-Chloro-3-methylphenol	ND		56	
Isosafrole	ND		56	
2-Methylnaphthalene	ND		56	
1,2,4,5-Tetrachlorobenzene	ND		56	
Hexachlorocyclopentadiene	ND		190	
2,4,6-Trichlorophenol	ND		56	

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Name:	NORTH CHICAGO		
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Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00
Client Sample ID:	**X104A**	Lab Sample ID:	**S806243-02**
Matrix:	Soil	Collected By: JA	Date/Time Collected: 05/29/08 15:20
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/10/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
2,4,5-Trichlorophenol	ND		56	
Safrole	ND		56	
Chloronaphthalene	ND		56	
1-Chloronaphthalene	ND		56	
2-Nitroaniline	ND		56	
1,4-Dinitrobenzene	ND		56	
Dimethylphthalate	ND		56	
1,3-Dinitrobenzene	ND		56	
2,6-Dinitrotoluene	ND		56	
Acenaphthylene	ND		56	
1,2-Dinitrobenzene	ND		56	
3-Nitroaniline	ND		56	
Acenaphthene	ND		56	
2,4-Dinitrophenol	ND		190	
4-Nitrophenol	ND		56	
Dibenzofuran	ND		56	
2,4-Dinitrotoluene	ND		56	
Pentachlorobenzene	ND		56	
1-Naphthylamine	ND		190	
2-Naphthylamine	ND		56	
2,3,4,6-Tetrachlorophenol	ND		56	
Diethylphthalate	ND		56	
4-Chlorophenyl phenyl ether	ND		56	
Fluorene	ND		56	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	05/30/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00
Client Sample ID:	**X104A**	Lab Sample ID:	**S806243-02**
Matrix:	Soil	Collected By: JA	Date/Time Collected: 05/29/08 15:20
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/10/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
4-Nitroaniline	ND		56	
' 6-Dinitro-2-methylphenol	ND		370	
henylamine	ND		56	
Azobenzene *	ND		56	
Phenacetin	ND		56	
4-Bromophenyl phenyl ether	ND		56	
Hexachlorobenzene	ND		56	
Pentachlorophenol	ND		560	
Pronamide	ND		56	
Pentachloronitrobenzene	ND		56	
Phenanthrene	**160**		56	
Anthracene	ND		56	
Carbazole	ND		56	
4-Nitrobiphenyl	ND		56	
Di-n-butylphthalate	ND		56	
5-Nitroacenaphthene	ND		56	
Isodrin	ND		56	
Fluoranthene	**270**		56	
Pyrene	**240**		56	
p-Dimethylaminoazobenzene	ND		56	
Butyl benzyl phthalate	ND		56	
3,3'-Dichlorobenzidine	ND		56	
Benzo(a)anthracene	**220**		56	
Chrysene	**300**		56	

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Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	05/30/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00
Client Sample ID:	**X104A**	Lab Sample ID:	**S806243-02**
Matrix:	Soil	Collected By: JA	Date/Time Collected: 05/29/08 15:20
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/10/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Bis(2-ethylhexyl)phthalate	ND		190	
·estranol	ND		56	
ı-octylphthalate	ND		56	
ɪenzo(b)fluoranthene	**380**		56	
7,12-Dimethylbenzo(a)anthracene	ND	J5	56	
Benzo(k)fluoranthene	**250**		56	
Benzo(a)pyrene	**220**		56	
Indeno(1,2,3-cd)pyrene	**130**		56	
Dibenzo(a,h)anthracene	ND		56	
Benzo(ghi)perylene	**120**		56	

pH *

Method:	150.1	Analyzed:	06/10/08
Units:	PH		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
pH	**7.20**		0.10	

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LABORATORY RESULTS

Name:	**NORTH CHICAGO**		
Project/Facility Number:	0971255020	Date Received :	05/30/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00
Client Sample ID:	**X126 & 126MS/MSD**	Lab Sample ID:	**S806243-03**
Matrix:	Soil	Collected By: JA	Date/Time Collected: 05/29/08 16:50
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Pesticides/PCBs by ECD

Method:	8081/8082	Analyzed:	06/11/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
alpha-BHC	ND		65	
'a-BHC	ND		65	
.a-BHC	ND		65	
gamma-BHC	ND		65	
Heptachlor	ND		65	
Aldrin	ND		65	
Heptachlor epoxide	ND		65	
Endosulfan I	ND		65	
Dieldrin	ND		65	
p,p'-DDE	**150**		65	
Endrin	ND		65	
Endosulfan II	ND		65	
p,p'-DDD	ND		65	
Endosulfan sulfate	ND		65	
p,p'-DDT	ND		65	
Methoxychlor	ND		320	
Endrin ketone	ND		65	
Endrin aldehyde	ND		65	
alpha-Chlordane	ND		130	
gamma-Chlordane	ND		130	
Toxaphene	ND		1300	
Aroclor 1016	ND		130	
Aroclor 1221	ND		130	
Aroclor 1232	ND		130	

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Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	05/30/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00
Client Sample ID:	**X126 & 126MS/MSD**	Lab Sample ID:	**S806243-03**
Matrix:	Soil	Collected By: JA	Date/Time Collected: 05/29/08 16:50
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Pesticides/PCBs by ECD

Method:	8081/8082	Analyzed:	06/11/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Aroclor 1242	ND		130	
' -oclor 1248	ND		130	
,clor 1254	ND		130	
Aroclor 1260	**3100**		130	

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Analyzed:	05/30/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Chloromethane	ND		2.9	
Vinyl chloride	ND		2.9	
Bromomethane	ND		2.9	
Chloroethane	ND		2.9	
Trichlorofluoromethane	ND		2.9	
Acetone	ND		14	
1,1-Dichloroethene	ND		2.9	
Methylene chloride	ND		7.2	
Carbon disulfide	ND		2.9	
trans-1,2-Dichloroethene	ND		2.9	
Methyl tert-butyl ether	ND		2.9	
1,1-Dichloroethane	ND		2.9	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	05/30/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00
Client Sample ID:	**X126 & 126MS/MSD**	Lab Sample ID:	**S806243-03**
Matrix:	Soil	Collected By: JA	Date/Time Collected: 05/29/08 16:50
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Analyzed:	05/30/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
2-Butanone (MEK)	ND		14	
-1,2-Dichloroethene	ND		2.9	
omochloromethane	ND		2.9	
Chloroform	ND		2.9	
2,2-Dichloropropane	ND		2.9	
1,2-Dichloroethane	ND		2.9	
1,1,1-Trichloroethane	ND		2.9	
1,1-Dichloropropene	ND		2.9	
Carbon tetrachloride	ND		2.9	
Benzene	ND		2.9	
Dibromomethane	ND		2.9	
1,2-Dichloropropane	ND		2.9	
Trichloroethene	ND		2.9	
Bromodichloromethane	ND		2.9	
cis-1,3-Dichloropropene	ND		2.9	
4-Methyl-2-pentanone (MIBK)	ND		2.9	
trans-1,3-Dichloropropene	ND		2.9	
1,1,2-Trichloroethane	ND		2.9	
Toluene	ND		2.9	
1,3-Dichloropropane	ND		2.9	
2-Hexanone (MBK)	ND		2.9	
Dibromochloromethane	ND		2.9	
1,2-Dibromoethane	ND		2.9	
Tetrachloroethene	ND		2.9	

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Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	05/30/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00
Client Sample ID:	**X126 & 126MS/MSD**	Lab Sample ID:	**S806243-03**
Matrix:	Soil	Collected By: JA	Date/Time Collected: 05/29/08 16:50
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Analyzed: 05/30/08

Units: ug/kg dry

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
1,1,1,2-Tetrachloroethane	ND		2.9	
Chlorobenzene	ND		2.9	
ylbenzene	ND		2.9	
Bromoform	ND		2.9	
Styrene	ND		2.9	
1,1,2,2-Tetrachloroethane	ND		2.9	
Xylenes, total	ND		2.9	
1,2,3-Trichloropropane	ND		2.9	
Isopropylbenzene	ND		2.9	
Bromobenzene	ND		2.9	

Semivolatiles by GC/MS

Method: 8270 Analyzed: 06/10/08

Units: ug/kg dry

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Pyridine	ND		65	
2-Picoline	ND		65	
Methyl methanesulfonate	ND		65	
Ethyl methanesulfonate	ND		65	
Phenol	**69**		65	
Bis(2-chloroethyl)ether	ND		65	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	05/30/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00
Client Sample ID:	**X126 & 126MS/MSD**	Lab Sample ID:	**S806243-03**
Matrix:	Soil	Collected By: JA	Date/Time Collected: 05/29/08 16:50
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/10/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
2-Chlorophenol	ND		65	
1,3-Dichlorobenzene	ND		65	
1,4-Dichlorobenzene	ND		65	
1,2-Dichlorobenzene	ND		65	
2-Methylphenol	ND		65	
2,2'-Oxybis(1-chloropropane)	ND		65	
Acetophenone	**290**		65	
4-Methylphenol	**86**		65	
N-Nitrosodi-n-propylamine	ND		65	
Hexachloroethane	ND		65	
Nitrobenzene	ND		65	
N-Nitrosopiperidine	ND		65	
Isophorone	ND		65	
2-Nitrophenol	ND		65	
2,4-Dimethylphenol	ND		65	
Bis(2-chloroethoxy)methane	ND		65	
2,4-Dichlorophenol	ND		65	
1,2,4-Trichlorobenzene	ND		65	
Naphthalene	**160**		65	
4-Chloroaniline	ND		65	
2,6-Dichlorophenol	ND		65	
Hexachloropropene	ND		65	
Hexachlorobutadiene	ND		65	
N-Nitrosodi-n-butylamine	ND		65	

'A Laboratory

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Reported:
06/24/08 14:54

Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	05/30/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00
Client Sample ID:	**X126 & 126MS/MSD**	Lab Sample ID:	**S806243-03**
Matrix:	Soil	Collected By: JA	Date/Time Collected: 05/29/08 16:50
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/10/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
4-Chloro-3-methylphenol	ND		65	
~ ›safrole	ND		65	
Iethylnaphthalene	**250**		65	
ı,2,4,5-Tetrachlorobenzene	ND		65	
Hexachlorocyclopentadiene	ND		220	
2,4,6-Trichlorophenol	ND		65	
2,4,5-Trichlorophenol	ND		65	
Safrole	ND		65	
2-Chloronaphthalene	ND		65	
1-Chloronaphthalene	ND		65	
2-Nitroaniline	ND		65	
1,4-Dinitrobenzene	ND		65	
Dimethylphthalate	ND		65	
1,3-Dinitrobenzene	ND		65	
2,6-Dinitrotoluene	ND		65	
Acenaphthylene	**95**		65	
1,2-Dinitrobenzene	ND		65	
3-Nitroaniline	ND		65	
Acenaphthene	ND		65	
2,4-Dinitrophenol	ND		220	
4-Nitrophenol	ND		65	
Dibenzofuran	ND		65	
2,4-Dinitrotoluene	ND		65	
Pentachlorobenzene	ND		65	

'A Laboratory

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	05/30/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00
Client Sample ID:	**X126 & 126MS/MSD**	Lab Sample ID:	**S806243-03**
Matrix:	Soil	Collected By: JA	Date/Time Collected: 05/29/08 16:50
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/10/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
1-Naphthylamine	ND		220	
˜ Naphthylamine	ND		65	
,4,6-Tetrachlorophenol	ND		65	
Diethylphthalate	**430**		65	
4-Chlorophenyl phenyl ether	ND		65	
Fluorene	ND		65	
4-Nitroaniline	ND		65	
4,6-Dinitro-2-methylphenol	ND		430	
Diphenylamine	ND		65	
Azobenzene *	ND		65	
Phenacetin	ND		65	
4-Bromophenyl phenyl ether	ND		65	
Hexachlorobenzene	ND		65	
Pentachlorophenol	ND		650	
Pronamide	ND		65	
Pentachloronitrobenzene	ND		65	
Phenanthrene	**780**		65	
Anthracene	**98**		65	
Carbazole	ND		65	
4-Nitrobiphenyl	ND		65	
Di-n-butylphthalate	**500**	V	65	
5-Nitroacenaphthene	ND		65	
Isodrin	ND		65	
Fluoranthene	**630**		65	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	05/30/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00
Client Sample ID:	**X126 & 126MS/MSD**	Lab Sample ID:	**S806243-03**
Matrix:	Soil	Collected By: JA	Date/Time Collected: 05/29/08 16:50
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/10/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Pyrene	**720**		65	
Dimethylaminoazobenzene	ND		65	
tyl benzyl phthalate	**71**		65	
3,3'-Dichlorobenzidine	ND		65	
Benzo(a)anthracene	**390**		65	
Chrysene	**630**		65	
Bis(2-ethylhexyl)phthalate	**4600**		220	
Mestranol	ND	J2	65	
Di-n-octylphthalate	ND	J2	65	
Benzo(b)fluoranthene	**700**	J2	65	
7,12-Dimethylbenzo(a)anthracene	ND	J2, J5	65	
Benzo(k)fluoranthene	**480**	J2	65	
Benzo(a)pyrene	**450**	J2	65	
Indeno(1,2,3-cd)pyrene	**210**	J2	65	
Dibenzo(a,h)anthracene	**66**	J2	65	
Benzo(ghi)perylene	**210**	J2	65	

pH *

Method:	150.1	Analyzed:	06/10/08
Units:	PH		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level

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LABORATORY RESULTS

Name:	**NORTH CHICAGO**		
Project/Facility Number:	0971255020	Date Received :	05/30/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00
Client Sample ID:	**X126 & 126MS/MSD**	Lab Sample ID:	**S806243-03**
Matrix:	Soil	Collected By: JA	Date/Time Collected: 05/29/08 16:50
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

pH *

Method:	150.1	Analyzed:	06/10/08
Units:	PH		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
pH	**7.20**		0.10	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	05/30/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00
Client Sample ID:	**X176**	Lab Sample ID:	**S806243-04**
Matrix:	Soil	Collected By: JA	Date/Time Collected: 05/29/08 16:50
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Pesticides/PCBs by ECD

Method:	8081/8082	Analyzed:	06/11/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
alpha-BHC	ND		65	
' ·ta-BHC	ND		65	
:a-BHC	ND		65	
gamma-BHC	ND		65	
Heptachlor	ND		65	
Aldrin	ND		65	
Heptachlor epoxide	ND		65	
Endosulfan I	ND		65	
Dieldrin	ND		65	
p,p'-DDE	**160**		65	
Endrin	ND		65	
Endosulfan II	ND		65	
p,p'-DDD	ND		65	
Endosulfan sulfate	ND		65	
p,p'-DDT	ND		65	
Methoxychlor	ND		330	
Endrin ketone	ND		65	
Endrin aldehyde	ND		65	
alpha-Chlordane	ND		130	
gamma-Chlordane	ND		130	
Toxaphene	ND		1300	
Aroclor 1016	ND		130	
Aroclor 1221	ND		130	
Aroclor 1232	ND		130	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	05/30/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00
Client Sample ID:	**X176**	Lab Sample ID:	**S806243-04**
Matrix:	Soil	Collected By: JA	Date/Time Collected: 05/29/08 16:50
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Pesticides/PCBs by ECD

Method:	8081/8082	Analyzed:	06/11/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Aroclor 1242	ND		130	
›clor 1248	ND		130	
clor 1254	ND		130	
Aroclor 1260	**3700**		130	

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Analyzed:	05/30/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Chloromethane	ND		3.1	
Vinyl chloride	ND		3.1	
Bromomethane	ND		3.1	
Chloroethane	ND		3.1	
Trichlorofluoromethane	ND		3.1	
Acetone	ND		15	
1,1-Dichloroethene	ND		3.1	
Methylene chloride	ND		7.7	
Carbon disulfide	ND		3.1	
trans-1,2-Dichloroethene	ND		3.1	
Methyl tert-butyl ether	ND		3.1	
1,1-Dichloroethane	ND		3.1	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	05/30/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00
Client Sample ID:	**X176**	Lab Sample ID:	**S806243-04**
Matrix:	Soil	Collected By: JA	Date/Time Collected: 05/29/08 16:50
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Analyzed:	05/30/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
2-Butanone (MEK)	ND		15	
˜-1,2-Dichloroethene	ND		3.1	
›mochloromethane	ND		3.1	
Chloroform	ND		3.1	
2,2-Dichloropropane	ND		3.1	
1,2-Dichloroethane	ND		3.1	
1,1,1-Trichloroethane	ND		3.1	
1,1-Dichloropropene	ND		3.1	
Carbon tetrachloride	ND		3.1	
Benzene	ND		3.1	
Dibromomethane	ND		3.1	
1,2-Dichloropropane	ND		3.1	
Trichloroethene	ND		3.1	
Bromodichloromethane	ND		3.1	
cis-1,3-Dichloropropene	ND		3.1	
4-Methyl-2-pentanone (MIBK)	ND		3.1	
trans-1,3-Dichloropropene	ND		3.1	
1,1,2-Trichloroethane	ND		3.1	
Toluene	**3.3**		3.1	
1,3-Dichloropropane	ND		3.1	
2-Hexanone (MBK)	ND		3.1	
Dibromochloromethane	ND		3.1	
1,2-Dibromoethane	ND		3.1	
Tetrachloroethene	ND		3.1	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	05/30/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00
Client Sample ID:	**X176**	Lab Sample ID:	**S806243-04**
Matrix:	Soil	Collected By: JA	Date/Time Collected: 05/29/08 16:50
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Analyzed: 05/30/08

Units: ug/kg dry

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
1,1,1,2-Tetrachloroethane	ND		3.1	
Chlorobenzene	ND		3.1	
Ethylbenzene	ND		3.1	
Bromoform	ND		3.1	
Styrene	ND		3.1	
1,1,2,2-Tetrachloroethane	ND		3.1	
Xylenes, total	ND		3.1	
1,2,3-Trichloropropane	ND		3.1	
Isopropylbenzene	ND		3.1	
Bromobenzene	ND		3.1	

Semivolatiles by GC/MS

Method: 8270 Analyzed: 06/11/08

Units: ug/kg dry

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Pyridine	ND		65	
2-Picoline	ND		65	
Methyl methanesulfonate	ND		65	
Ethyl methanesulfonate	ND		65	
Phenol	**96**		65	
Bis(2-chloroethyl)ether	ND		65	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	05/30/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00
Client Sample ID:	**X176**	Lab Sample ID:	**S806243-04**
Matrix:	Soil	Collected By: JA	Date/Time Collected: 05/29/08 16:50
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/11/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
2-Chlorophenol	ND		65	
3-Dichlorobenzene	ND		65	
-Dichlorobenzene	ND		65	
1,2-Dichlorobenzene	ND		65	
2-Methylphenol	ND		65	
2,2'-Oxybis(1-chloropropane)	ND		65	
Acetophenone	**410**		65	
4-Methylphenol	**130**		65	
N-Nitrosodi-n-propylamine	ND		65	
Hexachloroethane	ND		65	
Nitrobenzene	ND		65	
N-Nitrosopiperidine	ND		65	
Isophorone	ND		65	
2-Nitrophenol	ND		65	
2,4-Dimethylphenol	ND		65	
Bis(2-chloroethoxy)methane	ND		65	
2,4-Dichlorophenol	ND		65	
1,2,4-Trichlorobenzene	ND		65	
Naphthalene	**210**		65	
4-Chloroaniline	ND		65	
2,6-Dichlorophenol	ND		65	
Hexachloropropene	ND		65	
Hexachlorobutadiene	ND		65	
N-Nitrosodi-n-butylamine	ND		65	

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Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00
Client Sample ID:	**X176**	Lab Sample ID:	**S806243-04**
Matrix:	Soil	Collected By: JA	Date/Time Collected: 05/29/08 16:50
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/11/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
4-Chloro-3-methylphenol	ND		65	
`safrole	ND		65	
Iethylnaphthalene	**320**		65	
1,2,4,5-Tetrachlorobenzene	ND		65	
Hexachlorocyclopentadiene	ND		220	
2,4,6-Trichlorophenol	ND		65	
2,4,5-Trichlorophenol	ND		65	
Safrole	ND		65	
2-Chloronaphthalene	ND		65	
1-Chloronaphthalene	ND		65	
2-Nitroaniline	ND		65	
1,4-Dinitrobenzene	ND		65	
Dimethylphthalate	ND		65	
1,3-Dinitrobenzene	ND		65	
2,6-Dinitrotoluene	ND		65	
Acenaphthylene	**110**		65	
1,2-Dinitrobenzene	ND		65	
3-Nitroaniline	ND		65	
Acenaphthene	ND		65	
2,4-Dinitrophenol	ND		220	
4-Nitrophenol	ND		65	
Dibenzofuran	**71**		65	
2,4-Dinitrotoluene	ND		65	
Pentachlorobenzene	ND		65	

'A Laboratory

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Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00
Client Sample ID:	**X176**	Lab Sample ID:	**S806243-04**
Matrix:	Soil	Collected By: JA	Date/Time Collected: 05/29/08 16:50
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/11/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
1-Naphthylamine	ND		220	
2-Naphthylamine	ND		65	
2,4,6-Tetrachlorophenol	ND		65	
Diethylphthalate	**550**		65	
4-Chlorophenyl phenyl ether	ND		65	
Fluorene	ND		65	
4-Nitroaniline	ND		65	
4,6-Dinitro-2-methylphenol	ND		430	
Diphenylamine	ND		65	
Azobenzene *	ND		65	
Phenacetin	ND		65	
4-Bromophenyl phenyl ether	ND		65	
Hexachlorobenzene	ND		65	
Pentachlorophenol	ND		650	
Pronamide	ND		65	
Pentachloronitrobenzene	ND		65	
Phenanthrene	**820**		65	
Anthracene	**92**		65	
Carbazole	ND		65	
4-Nitrobiphenyl	ND		65	
Di-n-butylphthalate	**530**	V	65	
5-Nitroacenaphthene	ND		65	
Isodrin	ND		65	
Fluoranthene	**510**		65	

EPA Laboratory

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Illinois Environmental Protection Agency Laboratory

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	05/30/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00
Client Sample ID:	**X176**	Lab Sample ID:	**S806243-04**
Matrix:	Soil	Collected By: JA	Date/Time Collected: 05/29/08 16:50
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/11/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Pyrene	**790**		65	
Dimethylaminoazobenzene	ND		65	
yl benzyl phthalate	**100**		65	
3,3'-Dichlorobenzidine	ND		65	
Benzo(a)anthracene	**360**		65	
Chrysene	**660**		65	
Bis(2-ethylhexyl)phthalate	**4700**		220	
Mestranol	ND	J2	65	
Di-n-octylphthalate	ND	J2	65	
Benzo(b)fluoranthene	**840**	J2	65	
7,12-Dimethylbenzo(a)anthracene	ND	J2, J5	65	
Benzo(k)fluoranthene	**480**	J2	65	
Benzo(a)pyrene	**430**	J2	65	
Indeno(1,2,3-cd)pyrene	**210**	J2	65	
Dibenzo(a,h)anthracene	**68**	J2	65	
Benzo(ghi)perylene	**240**	J2	65	

pH *

Method:	150.1	Analyzed:	06/10/08
Units:	PH		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	05/30/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00
Client Sample ID:	**X176**	Lab Sample ID:	**S806243-04**
Matrix:	Soil	Collected By: JA	Date/Time Collected: 05/29/08 16:50
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

pH *

Method:	150.1	Analyzed:	06/10/08
Units:	PH		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
pH	**7.20**		0.10	

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Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	**NORTH CHICAGO**		
Project/Facility Number:	0971255020	Date Received :	05/30/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00

Notes and Definitions

V	Indicates the analyte was detected in both the sample and the associated method blank and was outside method blank acceptance criteria.
J5	Blank spike failed high, result was non-detect - impact on data may be minimal.
J2	Internal Standard criteria was not met.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
*	Non-NELAP accredited

Method 8270 samples S806243-01, -02, -03, and -04: Tentatively Identified Compounds (TICs) were detected in the semivolatile analysis. Please contact the laboratory if additional information about the TICs is needed.

'A Laboratory

Report Authorized by:

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. Test results meet all requirements of NELAC.

Reported:
06/24/08 14:54

Illinois Environmental Protection Agency Chain of Custody

Preservative Codes	Container Description: Soil	Container Description: Aqueous
1. None		
2. VOA - HCl	VOC - 2 oz. glass (2)	VOC - 40 mL glass (3)
3. Metals - HNO3	SVOC - 8 oz. glass (1)	SVOC, Pest/PCB - 40 oz amber glass (1)*
4. Cyanide - NaOH	Pest/PCB - 8 oz. glass (1)	
5. Other:	Inorganics - 16 oz. glass (1)	Inorganics - 1 qt. plastic (1)
6. Other		* duplicate 1 out of 10

Fund:	LPC#:	Locality:	Cooler Initially Sealed By:	Date Initially Sealed
PR50	0971255020		[illegible]	5-30-08
Section:	Site Name:	Project Manager:	Phone Number:	Initial Cooler Seal #
	North Chicago (a.k.a Chemical Packing)	Jim Salch	217-785-8726	041

Lab Sample No.	Parameter Group: VOC	SVOC	PH	Pest.	PCB			Collection Information: Field Sample Number	Matrix	No. of Bottles	Date Collected	Time Collected (24 hr clock)	Sampler's Initials	Special Notations	Legal Hold Y or N
S806470-01	X	X	X	X	X			X110	Soil	2	6-3-08	1300	JA		
S806470-02	X	X	X	X	X			X111A		2		1400	JA		
806470-03	X	X	X	X	X			X111B		2		1400	JA		
806470-04	X	X	X	X	X			X113		2		1530	JA		
806470-05	X	X	X	X	X			X121		2		1020	JA		
													JA		

Opener: I certify that I received the sample shipping container with the shipping container sealed and intact.

Cooler Opened by:	Seal No:	Date:	Time:	Intact
Tony Wusilewski	041	6-3-08	1245	Y-N
				Y-N

Sealer : I certify that the samples listed above were collected in my presence and sealed by me.

Cooler Sealed By:	Seal No.:	Date:	Time:
Tony Wusilewski	060	6-3-08	

I certify that I received the cooler containing the above samples with the seal(s) intact.

Received for Lab by:	Seal No:	Date:	Time:	Intact:
SCOTT LAH [illegible]	041	6/4/08	930	Y-N

Lab Comments:

Supervisor Releasing Results: [illegible] Date: 6/27/08

Sample Courier: UPS

Turnaround Time Requested: 30 days

Samplers: Jim Salch

Illinois Environmental Protection Agency Chain of Custody

Preservative Codes	Container Description: Soil	Container Description: Aqueous
1. None		
2. VOA - HCl	VOC - 2 oz. glass (2)	VOC - 40 mL glass (3)
3. Metals - HNO3	SVOC - 8 oz. glass (1)	SVOC, Pest/PCB - 40 oz amber glass (1)*
4. Cyanide - NaOH	Pest/PCB - 8 oz. glass (1)	
5. Other:	Inorganics - 16 oz. glass (1)	Inorganics - 1 qt. plastic (1)
6. Other		* duplicate 1 out of 10

Fund:	LPC#:	Locality:	Cooler Initially Sealed By:	Date Initially Sealed
PR50	0971255020			5-30-08
Section:	**Site Name:**	**Project Manager:**	**Phone Number:**	**Initial Cooler Seal #**
	North Chicago (a.k.a Chemical Packing)	Jim Salch	217-785-8726	041

Lab Sample No.	Parameter Group: VOC	SVOC	PH	Pest.	PCB			Field Sample Number	Matrix	No. of Bottles	Date Collected	Time Collected (24 hr clock)	Sampler's Initials	Special Notations	Legal Hold Y or N
	X	X	X	X	X			X110	Soil	2	6-3-08	1300	JA		
	X	X	X	X	X			X111A		2		1400	JA		
	X	X	X	X	X			X111B		2		1400	JA		
	X	X	X	X	X			X113 1530		2		1530	JA		
	X	X	X	X	X			X121		2		1020	JA		
						1020 6-3-08							JA		
						1300									
					6-3-08 6-3-08										
							X113								
						Dry weight									
					X	X110									
				Dry weight		Dry weight									

Opener: I certify that I received the sample shipping container with the shipping container sealed and intact.

Cooler Opened by:	Seal No:	Date:	Time:	Intact
Tony Wasilewski	041	6-3-08	1245	Y-N
				Y-N

Sealer : I certify that the samples listed above were collected in my presence and sealed by me.

Cooler Sealed By:	Seal No.:	Date:	Time:
Tony Wasilewski	060	6-3-08	

I certify that I received the cooler containing the above samples with the seal(s) intact.

Received for Lab by:		Seal No:	Date:	Time:	Intact:
SCOTT LAHL	[illegible]	041	6/4/08	930	Y-N

Sample Courier: UPS

Turnaround Time Requested: 30 days

Samplers: Jim Salch

Lab Comments:

Supervisor Releasing Results: [illegible] Date: 6/27/08

Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/04/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00
Client Sample ID:	**X110**	Lab Sample ID:	**S806470-01**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/03/08 13:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Pesticides/PCBs by ECD

Method:	8081/8082	Analyzed:	06/10/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
alpha-BHC	ND		5.8	
'a-BHC	ND		5.8	
.a-BHC	ND		5.8	
gamma-BHC	ND		5.8	
Heptachlor	ND		5.8	
Aldrin	ND		5.8	
Heptachlor epoxide	ND		5.8	
Endosulfan I	ND		5.8	
Dieldrin	ND		5.8	
p,p'-DDE	ND		5.8	
Endrin	ND		5.8	
Endosulfan II	ND		5.8	
p,p'-DDD	ND		5.8	
Endosulfan sulfate	ND		5.8	
p,p'-DDT	ND		5.8	
Methoxychlor	ND		29	
Endrin ketone	ND		5.8	
Endrin aldehyde	ND		5.8	
alpha-Chlordane	ND		12	
gamma-Chlordane	ND		12	
Toxaphene	ND		120	
Aroclor 1016	ND		12	
Aroclor 1221	ND		12	
Aroclor 1232	ND		12	

'A Laboratory

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Reported:
06/26/08 15:27

Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/04/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00
Client Sample ID:	**X110**	Lab Sample ID:	**S806470-01**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/03/08 13:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Pesticides/PCBs by ECD

Method:	8081/8082	Analyzed:	06/10/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Aroclor 1242	ND		12	
' -oclor 1248	ND		12	
›clor 1254	ND		12	
Aroclor 1260	ND		12	

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/10/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Pyridine	ND		58	
2-Picoline	ND		58	
Methyl methanesulfonate	ND		58	
Ethyl methanesulfonate	ND		58	
Phenol	ND		58	
Bis(2-chloroethyl)ether	ND		58	
2-Chlorophenol	ND		58	
1,3-Dichlorobenzene	ND		58	
1,4-Dichlorobenzene	ND		58	
1,2-Dichlorobenzene	ND		58	
2-Methylphenol	ND		58	
2,2'-Oxybis(1-chloropropane)	ND		58	

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Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/04/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00
Client Sample ID:	**X110**	Lab Sample ID:	**S806470-01**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/03/08 13:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/10/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Acetophenone	ND		58	
Methylphenol	ND		58	
Nitrosodi-n-propylamine	ND		58	
Hexachloroethane	ND		58	
Nitrobenzene	ND		58	
N-Nitrosopiperidine	ND		58	
Isophorone	ND		58	
2-Nitrophenol	ND		58	
2,4-Dimethylphenol	ND		58	
Bis(2-chloroethoxy)methane	ND		58	
2,4-Dichlorophenol	ND		58	
1,2,4-Trichlorobenzene	ND		58	
Naphthalene	**3000**		58	
4-Chloroaniline	ND		58	
2,6-Dichlorophenol	ND		58	
Hexachloropropene	ND		58	
Hexachlorobutadiene	ND		58	
N-Nitrosodi-n-butylamine	ND		58	
4-Chloro-3-methylphenol	ND		58	
Isosafrole	ND		58	
2-Methylnaphthalene	**12000**		58	
1,2,4,5-Tetrachlorobenzene	ND		58	
Hexachlorocyclopentadiene	ND		200	
2,4,6-Trichlorophenol	ND		58	

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Illinois Environmental Protection Agency Laboratory

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/04/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00
Client Sample ID:	**X110**	Lab Sample ID:	**S806470-01**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/03/08 13:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/10/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
2,4,5-Trichlorophenol	ND		58	
[illegible]frole	ND		58	
[illegible]hloronaphthalene	ND		58	
1-Chloronaphthalene	ND		58	
2-Nitroaniline	ND		58	
1,4-Dinitrobenzene	ND		58	
Dimethylphthalate	ND		58	
1,3-Dinitrobenzene	ND		58	
2,6-Dinitrotoluene	ND		58	
Acenaphthylene	ND		58	
1,2-Dinitrobenzene	ND		58	
3-Nitroaniline	ND		58	
Acenaphthene	**1200**		58	
2,4-Dinitrophenol	ND		200	
4-Nitrophenol	ND		58	
Dibenzofuran	**860**		58	
2,4-Dinitrotoluene	ND		58	
Pentachlorobenzene	ND		58	
1-Naphthylamine	ND		200	
2-Naphthylamine	ND		58	
2,3,4,6-Tetrachlorophenol	ND		58	
Diethylphthalate	ND		58	
4-Chlorophenyl phenyl ether	ND		58	
Fluorene	**1800**		58	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/04/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00
Client Sample ID:	**X110**	Lab Sample ID:	**S806470-01**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/03/08 13:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/10/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
4-Nitroaniline	ND		58	
‹-Dinitro-2-methylphenol	ND		380	
henylamine	ND		58	
Azobenzene *	ND		58	
Phenacetin	ND		58	
4-Bromophenyl phenyl ether	ND		58	
Hexachlorobenzene	ND		58	
Pentachlorophenol	ND		580	
Pronamide	ND		58	
Pentachloronitrobenzene	ND		58	
Phenanthrene	**5300**		58	
Anthracene	**1200**		58	
Carbazole	ND		58	
4-Nitrobiphenyl	ND		58	
Di-n-butylphthalate	**86**	V	58	
5-Nitroacenaphthene	ND		58	
Isodrin	ND		58	
Fluoranthene	**180**		58	
Pyrene	**1700**		58	
p-Dimethylaminoazobenzene	ND		58	
Butyl benzyl phthalate	ND		58	
3,3'-Dichlorobenzidine	ND		58	
Benzo(a)anthracene	**110**		58	
Chrysene	**160**		58	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/04/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00

Client Sample ID:	**X110**	Lab Sample ID:	**S806470-01**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/03/08 13:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/17/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Bis(2-ethylhexyl)phthalate	**10000**		200	
ᵉstranol	ND	J2	58	
n-octylphthalate	ND	J2	58	
Benzo(b)fluoranthene	ND	J2	58	
7,12-Dimethylbenzo(a)anthracene	ND	J2, J5	58	
Benzo(k)fluoranthene	ND	J2	58	
Benzo(a)pyrene	ND	J2	58	
Indeno(1,2,3-cd)pyrene	ND	J2	58	
Dibenzo(a,h)anthracene	ND	J2	58	
Benzo(ghi)perylene	ND	J2	58	

pH *

Method:	150.1	Analyzed:	06/10/08
Units:	PH		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
pH	**7.00**		0.10	

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Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/04/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00
Client Sample ID:	**X111A**	Lab Sample ID:	**S806470-02**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/03/08 14:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Pesticides/PCBs by ECD

Method:	8081/8082	Analyzed:	06/10/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
alpha-BHC	ND		5.5	
'a-BHC	ND		5.5	
.a-BHC	ND		5.5	
gamma-BHC	ND		5.5	
Heptachlor	ND		5.5	
Aldrin	ND		5.5	
Heptachlor epoxide	ND		5.5	
Endosulfan I	ND		5.5	
Dieldrin	ND		5.5	
p,p'-DDE	ND		5.5	
Endrin	ND		5.5	
Endosulfan II	ND		5.5	
p,p'-DDD	ND		5.5	
Endosulfan sulfate	ND		5.5	
p,p'-DDT	ND		5.5	
Methoxychlor	ND		28	
Endrin ketone	ND		5.5	
Endrin aldehyde	ND		5.5	
alpha-Chlordane	ND		11	
gamma-Chlordane	ND		11	
Toxaphene	ND		110	
Aroclor 1016	ND		11	
Aroclor 1221	ND		11	
Aroclor 1232	ND		11	

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Reported:
06/26/08 15:27

Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/04/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00
Client Sample ID:	**X111A**	Lab Sample ID:	**S806470-02**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/03/08 14:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Pesticides/PCBs by ECD

Method: 8081/8082 Analyzed: 06/10/08

Units: ug/kg dry

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Aroclor 1242	ND		11	
Aroclor 1248	ND		11	
Aroclor 1254	ND		11	
Aroclor 1260	ND		11	

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Analyzed: 06/04/08

Units: ug/kg dry

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Chloromethane	ND		2.2	
Vinyl chloride	ND		2.2	
Bromomethane	ND		2.2	
Chloroethane	ND		2.2	
Trichlorofluoromethane	ND		2.2	
Acetone	**31**		11	
1,1-Dichloroethene	ND		2.2	
Methylene chloride	ND		5.5	
Carbon disulfide	ND		2.2	
trans-1,2-Dichloroethene	ND		2.2	
Methyl tert-butyl ether	ND		2.2	
1,1-Dichloroethane	ND		2.2	

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Reported:
06/26/08 15:27

Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/04/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00
Client Sample ID:	**X111A**	Lab Sample ID:	**S806470-02**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/03/08 14:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Analyzed:	06/04/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
2-Butanone (MEK)	ND		11	
's-1,2-Dichloroethene	**17**		2.2	
omochloromethane	ND		2.2	
Chloroform	ND		2.2	
2,2-Dichloropropane	ND		2.2	
1,2-Dichloroethane	ND		2.2	
1,1,1-Trichloroethane	ND		2.2	
1,1-Dichloropropene	ND		2.2	
Carbon tetrachloride	ND		2.2	
Benzene	**120**		2.2	
Dibromomethane	ND		2.2	
1,2-Dichloropropane	ND		2.2	
Trichloroethene	**7.4**		2.2	
Bromodichloromethane	ND		2.2	
cis-1,3-Dichloropropene	ND		2.2	
4-Methyl-2-pentanone (MIBK)	ND		2.2	
trans-1,3-Dichloropropene	ND		2.2	
1,1,2-Trichloroethane	ND		2.2	
Toluene	**220**	J6, L, J1	2.2	
1,3-Dichloropropane	ND	J1	2.2	
2-Hexanone (MBK)	ND	J1	2.2	
Dibromochloromethane	ND	J1	2.2	
1,2-Dibromoethane	ND	J1	2.2	
Tetrachloroethene	**52**	J1	2.2	

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Reported:
06/26/08 15:27

Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	**NORTH CHICAGO**		
Project/Facility Number:	0971255020	Date Received :	06/04/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00
Client Sample ID:	**X111A**	Lab Sample ID:	**S806470-02**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/03/08 14:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Analyzed: 06/04/08

Units: ug/kg dry

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
1,1,1,2-Tetrachloroethane	ND	J1	2.2	
Chlorobenzene	ND	J1	2.2	
Ethylbenzene	**220**	L, J1	2.2	
Bromoform	ND	J1	2.2	
Styrene	ND	J1	2.2	
1,1,2,2-Tetrachloroethane	ND	J1	2.2	
Xylenes, total	**650**	J6, L, J1	2.2	
1,2,3-Trichloropropane	ND	J1	2.2	
Isopropylbenzene	**220**	L, J1	2.2	
Bromobenzene	ND	J1	2.2	

Semivolatiles by GC/MS

Method: 8270 Analyzed: 06/10/08

Units: ug/kg dry

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Pyridine	ND		55	
2-Picoline	ND		55	
Methyl methanesulfonate	ND		55	
Ethyl methanesulfonate	ND		55	
Phenol	ND		55	
Bis(2-chloroethyl)ether	ND		55	

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Reported:
06/26/08 15:27

Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/04/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00
Client Sample ID:	**X111A**	Lab Sample ID:	**S806470-02**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/03/08 14:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/10/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
2-Chlorophenol	ND		55	
' 3-Dichlorobenzene	ND		55	
4-Dichlorobenzene	ND		55	
1,2-Dichlorobenzene	ND		55	
2-Methylphenol	ND		55	
2,2'-Oxybis(1-chloropropane)	ND		55	
Acetophenone	ND		55	
4-Methylphenol	ND		55	
N-Nitrosodi-n-propylamine	ND		55	
Hexachloroethane	ND		55	
Nitrobenzene	ND		55	
N-Nitrosopiperidine	ND		55	
Isophorone	ND		55	
2-Nitrophenol	ND		55	
2,4-Dimethylphenol	**320**		55	
Bis(2-chloroethoxy)methane	ND		55	
2,4-Dichlorophenol	ND		55	
1,2,4-Trichlorobenzene	ND		55	
Naphthalene	**820**		55	
4-Chloroaniline	ND		55	
2,6-Dichlorophenol	ND		55	
Hexachloropropene	ND		55	
Hexachlorobutadiene	ND		55	
N-Nitrosodi-n-butylamine	ND		55	

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06/26/08 15:27

Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/04/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00
Client Sample ID:	**X111A**	Lab Sample ID:	**S806470-02**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/03/08 14:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/10/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
4-Chloro-3-methylphenol	ND		55	
osafrole	ND		55	
Methylnaphthalene	**560**		55	
1,2,4,5-Tetrachlorobenzene	ND		55	
Hexachlorocyclopentadiene	ND		190	
2,4,6-Trichlorophenol	ND		55	
2,4,5-Trichlorophenol	ND		55	
Safrole	ND		55	
2-Chloronaphthalene	ND		55	
1-Chloronaphthalene	ND		55	
2-Nitroaniline	ND		55	
1,4-Dinitrobenzene	ND		55	
Dimethylphthalate	ND		55	
1,3-Dinitrobenzene	ND		55	
2,6-Dinitrotoluene	ND		55	
Acenaphthylene	ND		55	
1,2-Dinitrobenzene	ND		55	
3-Nitroaniline	ND		55	
Acenaphthene	ND		55	
2,4-Dinitrophenol	ND		190	
4-Nitrophenol	ND		55	
Dibenzofuran	ND		55	
2,4-Dinitrotoluene	ND		55	
Pentachlorobenzene	ND		55	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/04/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00
Client Sample ID:	**X111A**	Lab Sample ID:	**S806470-02**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/03/08 14:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/10/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
1-Naphthylamine	ND		190	
˜ Naphthylamine	ND		55	
,4,6-Tetrachlorophenol	ND		55	
Diethylphthalate	**67**	V	55	
4-Chlorophenyl phenyl ether	ND		55	
Fluorene	ND		55	
4-Nitroaniline	ND		55	
4,6-Dinitro-2-methylphenol	ND		360	
Diphenylamine	ND		55	
Azobenzene *	ND		55	
Phenacetin	ND		55	
4-Bromophenyl phenyl ether	ND		55	
Hexachlorobenzene	ND		55	
Pentachlorophenol	ND		550	
Pronamide	ND		55	
Pentachloronitrobenzene	ND		55	
Phenanthrene	**240**		55	
Anthracene	ND		55	
Carbazole	ND		55	
4-Nitrobiphenyl	ND		55	
Di-n-butylphthalate	**290**	V	55	
5-Nitroacenaphthene	ND		55	
Isodrin	ND		55	
Fluoranthene	ND		55	

'A Laboratory

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Illinois Environmental Protection Agency Laboratory

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/04/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00

Client Sample ID:	**X111A**	Lab Sample ID:	**S806470-02**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/03/08 14:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/10/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Pyrene	**110**		55	
Dimethylaminoazobenzene	ND		55	
yl benzyl phthalate	ND		55	
3,3'-Dichlorobenzidine	ND		55	
Benzo(a)anthracene	ND		55	
Chrysene	ND		55	
Bis(2-ethylhexyl)phthalate	**780**		190	
Mestranol	ND		55	
Di-n-octylphthalate	ND		55	
Benzo(b)fluoranthene	ND		55	
7,12-Dimethylbenzo(a)anthracene	ND	J5	55	
Benzo(k)fluoranthene	ND		55	
Benzo(a)pyrene	ND		55	
Indeno(1,2,3-cd)pyrene	ND		55	
Dibenzo(a,h)anthracene	ND		55	
Benzo(ghi)perylene	ND		55	

pH *

Method:	150.1	Analyzed:	06/10/08
Units:	PH		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level

PA Laboratory

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LABORATORY RESULTS

Name:	**NORTH CHICAGO**		
Project/Facility Number:	0971255020	Date Received :	06/04/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00
Client Sample ID:	**X111A**	Lab Sample ID:	**S806470-02**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/03/08 14:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

pH *

Method:	150.1	Analyzed:	06/10/08
Units:	PH		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
pH	**7.40**		0.10	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/04/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00
Client Sample ID:	**X111B**	Lab Sample ID:	**S806470-03**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/03/08 14:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Pesticides/PCBs by ECD

Method:	8081/8082	Analyzed:	06/10/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
alpha-BHC	ND		5.9	
·ta-BHC	ND		5.9	
.a-BHC	ND		5.9	
gamma-BHC	ND		5.9	
Heptachlor	ND		5.9	
Aldrin	ND		5.9	
Heptachlor epoxide	ND		5.9	
Endosulfan I	ND		5.9	
Dieldrin	ND		5.9	
p,p'-DDE	ND		5.9	
Endrin	ND		5.9	
Endosulfan II	ND		5.9	
p,p'-DDD	ND		5.9	
Endosulfan sulfate	ND		5.9	
p,p'-DDT	ND		5.9	
Methoxychlor	ND		29	
Endrin ketone	ND		5.9	
Endrin aldehyde	ND		5.9	
alpha-Chlordane	ND		12	
gamma-Chlordane	ND		12	
Toxaphene	ND		120	
Aroclor 1016	ND		12	
Aroclor 1221	ND		12	
Aroclor 1232	ND		12	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/04/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00

Client Sample ID:	**X111B**	Lab Sample ID:	**S806470-03**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/03/08 14:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Pesticides/PCBs by ECD

Method:	8081/8082	Analyzed:	06/10/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Aroclor 1242	ND		12	
Aroclor 1248	ND		12	
Aroclor 1254	ND		12	
Aroclor 1260	ND		12	

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Analyzed:	06/04/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Chloromethane	ND		1.9	
Vinyl chloride	ND		1.9	
Bromomethane	ND		1.9	
Chloroethane	ND		1.9	
Trichlorofluoromethane	ND		1.9	
Acetone	**190**	L	9.6	
1,1-Dichloroethene	ND		1.9	
Methylene chloride	ND		4.8	
Carbon disulfide	ND		1.9	
trans-1,2-Dichloroethene	ND		1.9	
Methyl tert-butyl ether	ND		1.9	
1,1-Dichloroethane	ND		1.9	

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LABORATORY RESULTS

Name:	**NORTH CHICAGO**		
Project/Facility Number:	0971255020	Date Received :	06/04/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00
Client Sample ID:	**X111B**	Lab Sample ID:	**S806470-03**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/03/08 14:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Analyzed:	06/04/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
2-Butanone (MEK)	**190**	L	9.6	
cis-1,2-Dichloroethene	ND		1.9	
Bromochloromethane	ND		1.9	
Chloroform	ND		1.9	
2,2-Dichloropropane	ND		1.9	
1,2-Dichloroethane	ND		1.9	
1,1,1-Trichloroethane	ND		1.9	
1,1-Dichloropropene	ND		1.9	
Carbon tetrachloride	ND		1.9	
Benzene	ND		1.9	
Dibromomethane	ND		1.9	
1,2-Dichloropropane	ND		1.9	
Trichloroethene	ND		1.9	
Bromodichloromethane	ND		1.9	
cis-1,3-Dichloropropene	ND		1.9	
4-Methyl-2-pentanone (MIBK)	**190**	L	1.9	
trans-1,3-Dichloropropene	ND		1.9	
1,1,2-Trichloroethane	ND		1.9	
Toluene	ND	J6	1.9	
1,3-Dichloropropane	ND		1.9	
2-Hexanone (MBK)	**190**	L	1.9	
Dibromochloromethane	ND		1.9	
1,2-Dibromoethane	ND		1.9	
Tetrachloroethene	ND		1.9	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/04/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00
Client Sample ID:	**X111B**	Lab Sample ID:	**S806470-03**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/03/08 14:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Analyzed: 06/04/08

Units: ug/kg dry

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
1,1,1,2-Tetrachloroethane	ND		1.9	
Chlorobenzene	ND		1.9	
ylbenzene	ND		1.9	
Bromoform	ND		1.9	
Styrene	ND		1.9	
1,1,2,2-Tetrachloroethane	ND		1.9	
Xylenes, total	**2.9**	J6	1.9	
1,2,3-Trichloropropane	ND		1.9	
Isopropylbenzene	ND		1.9	
Bromobenzene	ND		1.9	

Semivolatiles by GC/MS

Method: 8270 Analyzed: 06/10/08

Units: ug/kg dry

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Pyridine	ND		59	
2-Picoline	ND		59	
Methyl methanesulfonate	ND		59	
Ethyl methanesulfonate	ND		59	
Phenol	ND		59	
Bis(2-chloroethyl)ether	ND		59	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/04/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00
Client Sample ID:	**X111B**	Lab Sample ID:	**S806470-03**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/03/08 14:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/10/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
2-Chlorophenol	ND		59	
' 3-Dichlorobenzene	ND		59	
-Dichlorobenzene	ND		59	
1,2-Dichlorobenzene	ND		59	
2-Methylphenol	ND		59	
2,2'-Oxybis(1-chloropropane)	ND		59	
Acetophenone	ND		59	
4-Methylphenol	ND		59	
N-Nitrosodi-n-propylamine	ND		59	
Hexachloroethane	ND		59	
Nitrobenzene	ND		59	
N-Nitrosopiperidine	ND		59	
Isophorone	ND		59	
2-Nitrophenol	ND		59	
2,4-Dimethylphenol	ND		59	
Bis(2-chloroethoxy)methane	ND		59	
2,4-Dichlorophenol	ND		59	
1,2,4-Trichlorobenzene	ND		59	
Naphthalene	ND		59	
4-Chloroaniline	ND		59	
2,6-Dichlorophenol	ND		59	
Hexachloropropene	ND		59	
Hexachlorobutadiene	ND		59	
N-Nitrosodi-n-butylamine	ND		59	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/04/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00
Client Sample ID:	**X111B**	Lab Sample ID:	**S806470-03**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/03/08 14:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/10/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
4-Chloro-3-methylphenol	ND		59	
·osafrole	ND		59	
lethylnaphthalene	ND		59	
1,2,4,5-Tetrachlorobenzene	ND		59	
Hexachlorocyclopentadiene	ND		200	
2,4,6-Trichlorophenol	ND		59	
2,4,5-Trichlorophenol	ND		59	
Safrole	ND		59	
2-Chloronaphthalene	ND		59	
1-Chloronaphthalene	ND		59	
2-Nitroaniline	ND		59	
1,4-Dinitrobenzene	ND		59	
Dimethylphthalate	ND		59	
1,3-Dinitrobenzene	ND		59	
2,6-Dinitrotoluene	ND		59	
Acenaphthylene	ND		59	
1,2-Dinitrobenzene	ND		59	
3-Nitroaniline	ND		59	
Acenaphthene	ND		59	
2,4-Dinitrophenol	ND		200	
4-Nitrophenol	ND		59	
Dibenzofuran	ND		59	
2,4-Dinitrotoluene	ND		59	
Pentachlorobenzene	ND		59	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/04/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00
Client Sample ID:	**X111B**	Lab Sample ID:	**S806470-03**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/03/08 14:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/10/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
1-Naphthylamine	ND		200	
^ Naphthylamine	ND		59	
,4,6-Tetrachlorophenol	ND		59	
Diethylphthalate	ND		59	
4-Chlorophenyl phenyl ether	ND		59	
Fluorene	ND		59	
4-Nitroaniline	ND		59	
4,6-Dinitro-2-methylphenol	ND		390	
Diphenylamine	ND		59	
Azobenzene *	ND		59	
Phenacetin	ND		59	
4-Bromophenyl phenyl ether	ND		59	
Hexachlorobenzene	ND		59	
Pentachlorophenol	ND		590	
Pronamide	ND		59	
Pentachloronitrobenzene	ND		59	
Phenanthrene	ND		59	
Anthracene	ND		59	
Carbazole	ND		59	
4-Nitrobiphenyl	ND		59	
Di-n-butylphthalate	ND		59	
5-Nitroacenaphthene	ND		59	
Isodrin	ND		59	
Fluoranthene	ND		59	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/04/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00
Client Sample ID:	**X111B**	Lab Sample ID:	**S806470-03**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/03/08 14:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/10/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Pyrene	ND		59	
Dimethylaminoazobenzene	ND		59	
yl benzyl phthalate	ND		59	
3,3'-Dichlorobenzidine	ND		59	
Benzo(a)anthracene	ND		59	
Chrysene	ND		59	
Bis(2-ethylhexyl)phthalate	ND		200	
Mestranol	ND		59	
Di-n-octylphthalate	ND		59	
Benzo(b)fluoranthene	ND		59	
7,12-Dimethylbenzo(a)anthracene	ND	J5	59	
Benzo(k)fluoranthene	ND		59	
Benzo(a)pyrene	ND		59	
Indeno(1,2,3-cd)pyrene	ND		59	
Dibenzo(a,h)anthracene	ND		59	
Benzo(ghi)perylene	ND		59	

pH *

Method:	150.1	Analyzed:	06/10/08
Units:	PH		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level

PA Laboratory

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Illinois Environmental Protection Agency Laboratory

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LABORATORY RESULTS

Name:	**NORTH CHICAGO**		
Project/Facility Number:	0971255020	Date Received :	06/04/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00
Client Sample ID:	**X111B**	Lab Sample ID:	**S806470-03**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/03/08 14:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

pH *

Method:	150.1	Analyzed:	06/10/08
Units:	PH		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
pH	**7.40**		0.10	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/04/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00
Client Sample ID:	**X113**	Lab Sample ID:	**S806470-04**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/03/08 15:30
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Pesticides/PCBs by ECD

Method:	8081/8082	Analyzed:	06/10/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
alpha-BHC	ND		5.8	
a-BHC	ND		5.8	
a-BHC	ND		5.8	
gamma-BHC	ND		5.8	
Heptachlor	ND		5.8	
Aldrin	ND		5.8	
Heptachlor epoxide	ND		5.8	
Endosulfan I	ND		5.8	
Dieldrin	ND		5.8	
p,p'-DDE	ND		5.8	
Endrin	ND		5.8	
Endosulfan II	ND		5.8	
p,p'-DDD	ND		5.8	
Endosulfan sulfate	ND		5.8	
p,p'-DDT	ND		5.8	
Methoxychlor	ND		29	
Endrin ketone	ND		5.8	
Endrin aldehyde	ND		5.8	
alpha-Chlordane	ND		12	
gamma-Chlordane	ND		12	
Toxaphene	ND		120	
Aroclor 1016	ND		12	
Aroclor 1221	ND		12	
Aroclor 1232	ND		12	

A Laboratory

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06/26/08 15:27

Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	**NORTH CHICAGO**		
Project/Facility Number:	0971255020	Date Received :	06/04/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00
Client Sample ID:	**X113**	Lab Sample ID:	**S806470-04**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/03/08 15:30
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Pesticides/PCBs by ECD

Method: 8081/8082 Analyzed: 06/10/08

Units: ug/kg dry

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Aroclor 1242	ND		12	
·oclor 1248	ND		12	
,clor 1254	ND		12	
Aroclor 1260	ND		12	

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Analyzed: 06/04/08

Units: ug/kg dry

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Chloromethane	ND		2.0	
Vinyl chloride	ND		2.0	
Bromomethane	ND		2.0	
Chloroethane	ND		2.0	
Trichlorofluoromethane	ND		2.0	
Acetone	**200**	L	9.8	
1,1-Dichloroethene	ND		2.0	
Methylene chloride	**28**		4.9	
Carbon disulfide	ND		2.0	
trans-1,2-Dichloroethene	ND		2.0	
Methyl tert-butyl ether	ND		2.0	
1,1-Dichloroethane	**35**		2.0	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/04/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00
Client Sample ID:	**X113**	Lab Sample ID:	**S806470-04**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/03/08 15:30
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Analyzed:	06/04/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
2-Butanone (MEK)	**200**	L	9.8	
s-1,2-Dichloroethene	**40**		2.0	
mochloromethane	ND		2.0	
Chloroform	ND		2.0	
2,2-Dichloropropane	ND		2.0	
1,2-Dichloroethane	**28**		2.0	
1,1,1-Trichloroethane	ND		2.0	
1,1-Dichloropropene	ND		2.0	
Carbon tetrachloride	ND		2.0	
Benzene	**200**	L	2.0	
Dibromomethane	ND		2.0	
1,2-Dichloropropane	ND		2.0	
Trichloroethene	**190**		2.0	
Bromodichloromethane	ND		2.0	
cis-1,3-Dichloropropene	ND		2.0	
4-Methyl-2-pentanone (MIBK)	**200**	L	2.0	
trans-1,3-Dichloropropene	ND		2.0	
1,1,2-Trichloroethane	ND		2.0	
Toluene	**200**	L, J2, J6, J1	2.0	
1,3-Dichloropropane	ND	J1, J2	2.0	
2-Hexanone (MBK)	**200**	L, J1, J2	2.0	
Dibromochloromethane	ND	J2, J1	2.0	
1,2-Dibromoethane	ND	J1, J2	2.0	
Tetrachloroethene	**200**	J2, J1, M	2.0	

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Illinois Environmental Protection Agency Laboratory

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LABORATORY RESULTS

Name:	**NORTH CHICAGO**		
Project/Facility Number:	0971255020	Date Received :	06/04/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00
Client Sample ID:	**X113**	Lab Sample ID:	**S806470-04**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/03/08 15:30
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Analyzed: 06/04/08

Units: ug/kg dry

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
1,1,1,2-Tetrachloroethane	ND	J2, J1	2.0	
Chlorobenzene	ND	J2, J1	2.0	
Ethylbenzene	**200**	J2, L, J1	2.0	
Bromoform	ND	J2, J1	2.0	
Styrene	**3.9**	J2, J1	2.0	
1,1,2,2-Tetrachloroethane	ND	J2, J1	2.0	
Xylenes, total	**590**	J2, J6, L, J1	2.0	
1,2,3-Trichloropropane	ND	J1, J2	2.0	
Isopropylbenzene	**110**	J2, J1	2.0	
Bromobenzene	ND	J2, J1	2.0	

Semivolatiles by GC/MS

Method: 8270 Analyzed: 06/10/08

Units: ug/kg dry

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Pyridine	ND		58	
2-Picoline	ND		58	
Methyl methanesulfonate	ND		58	
Ethyl methanesulfonate	ND		58	
Phenol	ND		58	
Bis(2-chloroethyl)ether	ND		58	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/04/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00
Client Sample ID:	**X113**	Lab Sample ID:	**S806470-04**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/03/08 15:30
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/10/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
2-Chlorophenol	ND		58	
3-Dichlorobenzene	ND		58	
-Dichlorobenzene	ND		58	
1,2-Dichlorobenzene	ND		58	
2-Methylphenol	**210**		58	
2,2'-Oxybis(1-chloropropane)	ND		58	
Acetophenone	ND		58	
4-Methylphenol	**240**		58	
N-Nitrosodi-n-propylamine	ND		58	
Hexachloroethane	ND		58	
Nitrobenzene	ND		58	
N-Nitrosopiperidine	ND		58	
Isophorone	ND		58	
2-Nitrophenol	ND		58	
2,4-Dimethylphenol	**170**		58	
Bis(2-chloroethoxy)methane	ND		58	
2,4-Dichlorophenol	ND		58	
1,2,4-Trichlorobenzene	ND		58	
Naphthalene	**270**		58	
4-Chloroaniline	ND		58	
2,6-Dichlorophenol	ND		58	
Hexachloropropene	ND		58	
Hexachlorobutadiene	ND		58	
N-Nitrosodi-n-butylamine	ND		58	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/04/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00
Client Sample ID:	**X113**	Lab Sample ID:	**S806470-04**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/03/08 15:30
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/10/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
4-Chloro-3-methylphenol	ND		58	
˜ ›safrole	ND		58	
lethylnaphthalene	ND		58	
1,2,4,5-Tetrachlorobenzene	ND		58	
Hexachlorocyclopentadiene	ND		200	
2,4,6-Trichlorophenol	ND		58	
2,4,5-Trichlorophenol	ND		58	
Safrole	ND		58	
2-Chloronaphthalene	ND		58	
1-Chloronaphthalene	ND		58	
2-Nitroaniline	ND		58	
1,4-Dinitrobenzene	ND		58	
Dimethylphthalate	ND		58	
1,3-Dinitrobenzene	ND		58	
2,6-Dinitrotoluene	ND		58	
Acenaphthylene	ND		58	
1,2-Dinitrobenzene	ND		58	
3-Nitroaniline	ND		58	
Acenaphthene	ND		58	
2,4-Dinitrophenol	ND		200	
4-Nitrophenol	ND		58	
Dibenzofuran	ND		58	
2,4-Dinitrotoluene	ND		58	
Pentachlorobenzene	ND		58	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/04/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00
Client Sample ID:	**X113**	Lab Sample ID:	**S806470-04**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/03/08 15:30
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/10/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
1-Naphthylamine	ND		200	
2-Naphthylamine	ND		58	
2,4,6-Tetrachlorophenol	ND		58	
Diethylphthalate	ND		58	
4-Chlorophenyl phenyl ether	ND		58	
Fluorene	ND		58	
4-Nitroaniline	ND		58	
4,6-Dinitro-2-methylphenol	ND		380	
Diphenylamine	ND		58	
Azobenzene *	ND		58	
Phenacetin	ND		58	
4-Bromophenyl phenyl ether	ND		58	
Hexachlorobenzene	ND		58	
Pentachlorophenol	ND		580	
Pronamide	ND		58	
Pentachloronitrobenzene	ND		58	
Phenanthrene	ND		58	
Anthracene	ND		58	
Carbazole	ND		58	
4-Nitrobiphenyl	ND		58	
Di-n-butylphthalate	ND		58	
5-Nitroacenaphthene	ND		58	
Isodrin	ND		58	
Fluoranthene	ND		58	

EPA Laboratory

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/04/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00
Client Sample ID:	**X113**	Lab Sample ID:	**S806470-04**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/03/08 15:30
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method: 8270 Analyzed: 06/10/08

Units: ug/kg dry

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Pyrene	ND		58	
Dimethylaminoazobenzene	ND		58	
yl benzyl phthalate	ND		58	
3,3'-Dichlorobenzidine	ND		58	
Benzo(a)anthracene	ND		58	
Chrysene	ND		58	
Bis(2-ethylhexyl)phthalate	ND		200	
Mestranol	ND		58	
Di-n-octylphthalate	ND		58	
Benzo(b)fluoranthene	ND		58	
7,12-Dimethylbenzo(a)anthracene	ND	J5	58	
Benzo(k)fluoranthene	ND		58	
Benzo(a)pyrene	ND		58	
Indeno(1,2,3-cd)pyrene	ND		58	
Dibenzo(a,h)anthracene	ND		58	
Benzo(ghi)perylene	ND		58	

pH *

Method: 150.1 Analyzed: 06/10/08

Units: PH

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level

Illinois Environmental Protection Agency Laboratory

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/04/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00
Client Sample ID:	**X113**	Lab Sample ID:	**S806470-04**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/03/08 15:30
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

pH *

Method:	150.1	Analyzed:	06/10/08
Units:	PH		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
pH	**7.20**		0.10	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/04/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00

Client Sample ID:	**X121**			Lab Sample ID:	**S806470-05**
Matrix:	Soil	Collected By:	JT	Date/Time Collected:	06/03/08 10:20
Sample Type:		Sample Depth:	0 Feet	Total Depth:	Feet

Pesticides/PCBs by ECD

Method:	8081/8082	Analyzed:	06/10/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
alpha-BHC	ND		6.2	
·ta-BHC	ND		6.2	
a-BHC	ND		6.2	
gamma-BHC	ND		6.2	
Heptachlor	ND		6.2	
Aldrin	ND		6.2	
Heptachlor epoxide	ND		6.2	
Endosulfan I	ND		6.2	
Dieldrin	ND		6.2	
p,p'-DDE	ND		6.2	
Endrin	ND		6.2	
Endosulfan II	ND		6.2	
p,p'-DDD	ND		6.2	
Endosulfan sulfate	ND		6.2	
p,p'-DDT	ND		6.2	
Methoxychlor	ND		31	
Endrin ketone	ND		6.2	
Endrin aldehyde	ND		6.2	
alpha-Chlordane	ND		12	
gamma-Chlordane	ND		12	
Toxaphene	ND		120	
Aroclor 1016	ND		12	
Aroclor 1221	ND		12	
Aroclor 1232	ND		12	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/04/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00
Client Sample ID:	**X121**	Lab Sample ID:	**S806470-05**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/03/08 10:20
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Pesticides/PCBs by ECD

Method:	8081/8082	Analyzed:	06/10/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Aroclor 1242	ND		12	
·-oclor 1248	ND		12	
,clor 1254	ND		12	
Aroclor 1260	ND		12	

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Analyzed:	06/04/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Chloromethane	ND		2.1	
Vinyl chloride	ND		2.1	
Bromomethane	ND		2.1	
Chloroethane	ND		2.1	
Trichlorofluoromethane	ND		2.1	
Acetone	ND		11	
1,1-Dichloroethene	ND		2.1	
Methylene chloride	ND		5.3	
Carbon disulfide	ND		2.1	
trans-1,2-Dichloroethene	ND		2.1	
Methyl tert-butyl ether	ND		2.1	
1,1-Dichloroethane	ND		2.1	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/04/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00
Client Sample ID:	**X121**	Lab Sample ID:	**S806470-05**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/03/08 10:20
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Analyzed:	06/04/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
2-Butanone (MEK)	ND		11	
-1,2-Dichloroethene	ND		2.1	
mochloromethane	ND		2.1	
Chloroform	ND		2.1	
2,2-Dichloropropane	ND		2.1	
1,2-Dichloroethane	ND		2.1	
1,1,1-Trichloroethane	ND		2.1	
1,1-Dichloropropene	ND		2.1	
Carbon tetrachloride	ND		2.1	
Benzene	ND		2.1	
Dibromomethane	ND		2.1	
1,2-Dichloropropane	ND		2.1	
Trichloroethene	ND		2.1	
Bromodichloromethane	ND		2.1	
cis-1,3-Dichloropropene	ND		2.1	
4-Methyl-2-pentanone (MIBK)	ND	J3	2.1	
trans-1,3-Dichloropropene	ND		2.1	
1,1,2-Trichloroethane	ND	J3	2.1	
Toluene	**15**	J6	2.1	
1,3-Dichloropropane	ND		2.1	
2-Hexanone (MBK)	ND		2.1	
Dibromochloromethane	ND		2.1	
1,2-Dibromoethane	ND		2.1	
Tetrachloroethene	ND		2.1	

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LABORATORY RESULTS

Name:	**NORTH CHICAGO**		
Project/Facility Number:	0971255020	Date Received :	06/04/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00

Client Sample ID:	**X121**	Lab Sample ID:	**S806470-05**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/03/08 10:20
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Analyzed: 06/04/08

Units: ug/kg dry

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
1,1,1,2-Tetrachloroethane	ND		2.1	
⁻'lorobenzene	ND		2.1	
,ylbenzene	**5.2**		2.1	
Bromoform	ND		2.1	
Styrene	ND		2.1	
1,1,2,2-Tetrachloroethane	ND		2.1	
Xylenes, total	**32**	J6	2.1	
1,2,3-Trichloropropane	ND		2.1	
Isopropylbenzene	**120**	J3	2.1	
Bromobenzene	ND		2.1	

Semivolatiles by GC/MS

Method: 8270 Analyzed: 06/10/08

Units: ug/kg dry

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Pyridine	ND		61	
2-Picoline	ND		61	
Methyl methanesulfonate	ND		61	
Ethyl methanesulfonate	ND		61	
Phenol	ND		61	
Bis(2-chloroethyl)ether	ND		61	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/04/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00

Client Sample ID:	**X121**	Lab Sample ID:	**S806470-05**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/03/08 10:20
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/10/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
2-Chlorophenol	ND		61	
1,3-Dichlorobenzene	ND		61	
1,4-Dichlorobenzene	ND		61	
1,2-Dichlorobenzene	ND		61	
2-Methylphenol	ND		61	
2,2'-Oxybis(1-chloropropane)	ND		61	
Acetophenone	ND		61	
4-Methylphenol	ND		61	
N-Nitrosodi-n-propylamine	ND		61	
Hexachloroethane	ND		61	
Nitrobenzene	ND		61	
N-Nitrosopiperidine	ND		61	
Isophorone	ND		61	
2-Nitrophenol	ND		61	
2,4-Dimethylphenol	ND		61	
Bis(2-chloroethoxy)methane	ND		61	
2,4-Dichlorophenol	ND		61	
1,2,4-Trichlorobenzene	ND		61	
Naphthalene	ND		61	
4-Chloroaniline	ND		61	
2,6-Dichlorophenol	ND		61	
Hexachloropropene	ND		61	
Hexachlorobutadiene	ND		61	
N-Nitrosodi-n-butylamine	ND		61	

EPA Laboratory

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Reported:
06/26/08 15:27

Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/04/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00

Client Sample ID:	**X121**	Lab Sample ID:	**S806470-05**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/03/08 10:20
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/10/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
4-Chloro-3-methylphenol	ND		61	
˜ ›safrole	ND		61	
Iethylnaphthalene	ND		61	
ı,2,4,5-Tetrachlorobenzene	ND		61	
Hexachlorocyclopentadiene	ND		210	
2,4,6-Trichlorophenol	ND		61	
2,4,5-Trichlorophenol	ND		61	
Safrole	ND		61	
2-Chloronaphthalene	ND		61	
1-Chloronaphthalene	ND		61	
2-Nitroaniline	ND		61	
1,4-Dinitrobenzene	ND		61	
Dimethylphthalate	ND		61	
1,3-Dinitrobenzene	ND		61	
2,6-Dinitrotoluene	ND		61	
Acenaphthylene	ND		61	
1,2-Dinitrobenzene	ND		61	
3-Nitroaniline	ND		61	
Acenaphthene	ND		61	
2,4-Dinitrophenol	ND		210	
4-Nitrophenol	ND		61	
Dibenzofuran	ND		61	
2,4-Dinitrotoluene	ND		61	
Pentachlorobenzene	ND		61	

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Reported:
06/26/08 15:27

Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/04/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00
Client Sample ID:	**X121**	Lab Sample ID:	**S806470-05**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/03/08 10:20
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/10/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
1-Naphthylamine	ND		210	
^ Naphthylamine	ND		61	
,4,6-Tetrachlorophenol	ND		61	
Diethylphthalate	ND		61	
4-Chlorophenyl phenyl ether	ND		61	
Fluorene	ND		61	
4-Nitroaniline	ND		61	
4,6-Dinitro-2-methylphenol	ND		410	
Diphenylamine	ND		61	
Azobenzene *	ND		61	
Phenacetin	ND		61	
4-Bromophenyl phenyl ether	ND		61	
Hexachlorobenzene	ND		61	
Pentachlorophenol	ND		610	
Pronamide	ND		61	
Pentachloronitrobenzene	ND		61	
Phenanthrene	**300**		61	
Anthracene	ND		61	
Carbazole	ND		61	
4-Nitrobiphenyl	ND		61	
Di-n-butylphthalate	**110**	V	61	
5-Nitroacenaphthene	ND		61	
Isodrin	ND		61	
Fluoranthene	**120**		61	

'A Laboratory

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Reported:
06/26/08 15:27

Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/04/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00

Client Sample ID:	**X121**	Lab Sample ID:	**S806470-05**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/03/08 10:20
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/10/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Pyrene	**140**		61	
Dimethylaminoazobenzene	ND		61	
yl benzyl phthalate	ND		61	
3,3'-Dichlorobenzidine	ND		61	
Benzo(a)anthracene	ND		61	
Chrysene	ND		61	
Bis(2-ethylhexyl)phthalate	**2900**		210	
Mestranol	ND		61	
Di-n-octylphthalate	ND		61	
Benzo(b)fluoranthene	**70**		61	
7,12-Dimethylbenzo(a)anthracene	ND	J5	61	
Benzo(k)fluoranthene	**100**		61	
Benzo(a)pyrene	ND		61	
Indeno(1,2,3-cd)pyrene	ND		61	
Dibenzo(a,h)anthracene	ND		61	
Benzo(ghi)perylene	ND		61	

pH *

Method:	150.1	Analyzed:	06/10/08
Units:	PH		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level

'A Laboratory

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Reported:
06/26/08 15:27

Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/04/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00
Client Sample ID:	**X121**	Lab Sample ID:	**S806470-05**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/03/08 10:20
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

pH *

Method:	150.1	Analyzed:	06/10/08
Units:	PH		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
pH	**6.80**		0.10	

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Reported:
06/26/08 15:27

Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/04/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00
Client Sample ID:	**X110**	Lab Sample ID:	**S806470-06**
Matrix:	Soil-- methanol	Collected By: JT	Date/Time Collected: 06/03/08 13:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Analyzed:	06/05/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Chloromethane	ND		11000	
Vinyl chloride	ND		11000	
Bromomethane	ND		11000	
Chloroethane	ND		11000	
Trichlorofluoromethane	ND		11000	
Acetone	ND		53000	
1,1-Dichloroethene	ND		11000	
Methylene chloride	ND		27000	
Carbon disulfide	ND		11000	
trans-1,2-Dichloroethene	ND		11000	
Methyl tert-butyl ether	ND		11000	
1,1-Dichloroethane	ND		11000	
2-Butanone (MEK)	ND		53000	
cis-1,2-Dichloroethene	ND		11000	
Bromochloromethane	ND		11000	
Chloroform	ND		11000	
2,2-Dichloropropane	ND		11000	
1,2-Dichloroethane	ND		11000	
1,1,1-Trichloroethane	ND		11000	
1,1-Dichloropropene	ND		11000	
Carbon tetrachloride	ND		11000	
Benzene	**29000**		11000	
Dibromomethane	ND		11000	
1,2-Dichloropropane	ND		11000	

EPA Laboratory

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Reported:
06/26/08 15:27

Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/04/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00
Client Sample ID:	**X110**	Lab Sample ID:	**S806470-06**
Matrix:	Soil-- methanol	Collected By: JT	Date/Time Collected: 06/03/08 13:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Analyzed:	06/05/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Trichloroethene	ND		11000	
⁻ ᵒmodichloromethane	ND		11000	
1,3-Dichloropropene	ND		11000	
4-Methyl-2-pentanone (MIBK)	ND		11000	
trans-1,3-Dichloropropene	ND		11000	
1,1,2-Trichloroethane	ND		11000	
Toluene	**3100000**		11000	
1,3-Dichloropropane	ND		11000	
2-Hexanone (MBK)	ND		11000	
Dibromochloromethane	ND		11000	
1,2-Dibromoethane	ND		11000	
Tetrachloroethene	ND		11000	
1,1,1,2-Tetrachloroethane	ND		11000	
Chlorobenzene	ND		11000	
Ethylbenzene	**810000**		11000	
Bromoform	ND		11000	
Styrene	ND		11000	
1,1,2,2-Tetrachloroethane	ND		11000	
1,2,3-Trichloropropane	ND		11000	
Isopropylbenzene	**92000**		11000	
Bromobenzene	ND		11000	
Xylenes, total	**4500000**		2100	

ᵓA Laboratory

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Reported:
06/26/08 15:27

Illinois Environmental Protection Agency Laboratory

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LABORATORY RESULTS

Name:	**NORTH CHICAGO**		
Project/Facility Number:	0971255020	Date Received :	06/04/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00
Client Sample ID:	**X111A**	Lab Sample ID:	**S806470-07**
Matrix:	Soil-- methanol	Collected By: JT	Date/Time Collected: 06/03/08 14:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Analyzed:	06/05/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Benzene	**5000**		2100	
luene	**140000**		2100	
ylbenzene	**120000**		2100	
isopropylbenzene	**13000**		2100	
Xylenes, total	**760000**		2100	

Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/04/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00

Client Sample ID:	**X111B**	Lab Sample ID:	**S806470-08**
Matrix:	Soil-- methanol	Collected By: JT	Date/Time Collected: 06/03/08 14:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Analyzed:	06/05/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Acetone	**16000**		9400	
- Butanone (MEK)	**32000**		9400	
Methyl-2-pentanone (MIBK)	**160000**		1900	
2-Hexanone (MBK)	**10000**		1900	

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Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	**NORTH CHICAGO**		
Project/Facility Number:	0971255020	Date Received :	06/04/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00
Client Sample ID:	**X113**	Lab Sample ID:	**S806470-09**
Matrix:	Soil-- methanol	Collected By: JT	Date/Time Collected: 06/03/08 15:30
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Analyzed:	06/05/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Acetone	**72000**		9800	
- Butanone (MEK)	**95000**		9800	
ızene	**5300**		2000	
4-Methyl-2-pentanone (MIBK)	**380000**		2000	
Toluene	**520000**		2000	
2-Hexanone (MBK)	**43000**		2000	
Ethylbenzene	**170000**		2000	
Xylenes, total	**870000**		2000	

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Reported:
06/26/08 15:27

Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/04/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	8.00

Notes and Definitions

V	Indicates the analyte was detected in both the sample and the associated method blank and was outside method blank acceptance criteria.
M	Presence of material verified (i.e., positive detection). Value is estimated.
L	Actual value not known, but known to be greater than value shown. To be used when the concentration of the analyte is above the acceptable level for quantitation. Value shown is the highest acceptable level for quantitation.
J6	Blank spike failed high - possible high bias or false positive result.
J5	Blank spike failed high, result was non-detect - impact on data may be minimal.
J3	The reported value failed to meet the established quality control criteria for either precision or accuracy possibly due to matrix effects.
[illegible]	Internal Standard criteria was not met.
[illegible]	Surrogate compound recovery limits have not been met.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
*	Non-NELAP accredited

Method 8270 samples S806470-01, -02, -03, -04, and -05: Tentatively Identified Compounds (TICs) were detected in the semivolatile analysis. Please contact the laboratory if additional information about the TICs is needed.

Method 8260 samples S806470-02, -03, -04, -05, and -06: Tentatively Identified Compounds (TICs) were detected in the volatile analysis. Please contact the laboratory if additional information about the TICs is needed.

Method 8260 sample S806470-01: Results from the Encore soil analysis could not be reported due to high organic contents. Results were reported from the methanol extract analysis of this sample as S806470-06.

'A Laboratory

...port Authorized by:

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Reported:
06/26/08 15:27

Illinois Environmental Protection Agency Chain of Custody

Preservative Codes	Container Description: Soil	Container Description: Aqueous
1. None		
2. VOA - HCl	VOC - 2 oz. glass (2)	VOC - 40 mL glass (3)
3. Metals - HNO3	SVOC - 8 oz. glass (1)	SVOC, Pest/PCB - 40 oz amber glass (1)*
4. Cyanide - NaOH	Pest/PCB - 8 oz. glass (1)	
5. Other:	Inorganics - 16 oz. glass (1)	Inorganics - 1 qt. plastic (1)
6. Other		* duplicate 1 out of 10

Fund:	LPC#:	Locality:	Cooler Initially Sealed By:	Date Initially Sealed
PR50	0971255020		[illegible]	5-30-08
Section:	**Site Name:**	**Project Manager:**	**Phone Number:**	**Initial Cooler Seal #**
	North Chicago (a.k.a Chemical Packing)	Jim Salch	217-785-8726	043

Lab Sample No	Parameter Group: SVOC	Pest	PCB	VOC	pH			Field Sample Number	Matrix	No. of Bottles	Date Collected	Time Collected (24 hr clock)	Sampler's Initials	Special Notations	Legal Hold Y or N
S806602-01	X	X	X	X	X			X114A	soil	2	6-4-08	1045	JA		
S806602-02	X			X	X			X114B	soil	2	6-4-08	1045	JA		
S806602-03	X			X	X			X115	soil	2	6-4-08	1200	JA		
S806602-04	X			X	X			X116A	soil	2	6-4-08	1615	JA		
S806602-05	X			X	X			X116B	soil	2	6-4-08	1615	JA		
S806602-06	X	X	X	X	X			X118	soil	2	6-4-08	1345	JA	MS/MSD	
S806602-07	X	X	X	X	X			X164	soil	2	6-4-08	1045	JA		
S806602-08	X	X	X	X	X			G113	water	4	6-3-08	1730	JA		
S806602-09	X	X	X	X	X			G163	water	4	6-3-08	1730	JA		
S806602-10				X				Trip blank	water	2	6-4-08	1700	JA		
S806602-11	X	X	X	X	X			G118	water	8	6-4-08	1555	JA	MS/MSD	
S806602-12	X			X	X			X112	soil	2	6-4-08	1715	JA		

Opener: I certify that I received the sample shipping container with the shipping container sealed and intact.

Cooler Opened by:	Seal No:	Date:	Time:	Intact
Tony Wasilewski	043	6-4-08	1615	Y-N
				Y-N

Sealer : I certify that the samples listed above were collected in my presence and sealed by me.

Cooler Sealed By:	Seal No.:	Date:	Time:
Tony Wasilewski	~~[illegible]~~ 00070	6-4-08	1725
	0031		

I certify that I received the cooler containing the above samples with the seal(s) intact.

Received for Lab by:	Seal No:	Date:	Time:	Intact:
SCOTT LAKE [signature]	031	6/5/08	930	Y-N

Lab Comments:

Supervisor Releasing Results: Gary Bernann by cnc Date: 7/7/08

Sample Courier: UPS

Turnaround Time Requested: 30 days

Samplers: Jim Salch

4

Illinois Environmental Protection Agency Chain of Custody

Preservative Codes	Container Description: Soil	Container Description: Aqueous
1. None		
2. VOA - HCl	VOC - 2 oz. glass (2)	VOC - 40 mL glass (3)
3. Metals - HNO3	SVOC - 8 oz. glass (1)	SVOC, Pest/PCB - 40 oz amber glass (1)*
4. Cyanide - NaOH	Pest/PCB - 8 oz. glass (1)	
5. Other:	Inorganics - 16 oz. glass (1)	Inorganics - 1 qt. plastic (1)
6. Other		* duplicate 1 out of 10

Fund:	LPC#:	Locality:	Cooler Initially Sealed By:	Date Initially Sealed
PR50	0971255020		[illegible]	5-3-08
Section:	**Site Name:**	**Project Manager:**	**Phone Number:**	**Initial Cooler Seal #**
	North Chicago	Jim Salch	217-785-8726	043

(a.k.a Chemical Packing)

Lab Sample No.	Parameter Group: SVOC	Pest.	PCB	VOC	pH			Field Sample Number	Matrix	No. of Bottles	Date Collected	Time Collected (24 hr clock)	Sampler's Initials	Special Notations	Legal Hold Y or N
	X	X	X	X	X			X114A	soil	2	6-4-08	1045	JA		
	X			X	X			X114B	soil	2	6-4-08	1045	JA		
	X			X	X			X115	soil	2	6-4-08	1200	JA		
	X			X	X			X116A	soil	2	6-4-08	1615	JA		
	X			X	X			X116B	soil	2	6-4-08	1615	JA		
	X	X	X	X	X			X118	soil	2	6-4-08	1345	JA	MS/MSD	
	X	X	X	X	X			X164	soil	2	6-4-08	1045	JA		
	X	X	X	X	X			G113	water	4	6-3-08	1730	JA		
	X	X	X	X	X			G163	water	4	6-3-08	1730	JA		
				X				Trip blank	water	2	6-4-08	1700	JA		
	X	X	X	X	X			G118	water	8	6-4-08	1555	JA	MS/MSD	
	X			X	X			X112	soil	2	6-4-08	1715	JA		

Opener: I certify that I received the sample shipping container with the shipping container sealed and intact.

Cooler Opened by:	Seal No:	Date:	Time:	Intact
Tony Wasilewski	043	6-4-08	1615	Y-N
				Y-N

Sealer: I certify that the samples listed above were collected in my presence and sealed by me.

Cooler Sealed By:	Seal No.:	Date:	Time:
Tony Wasilewski	0069 & 0070	6-4-08	1725
	0031		

I certify that I received the cooler containing the above samples with the seal(s) intact.

Received for Lab by:	Seal No:	Date:	Time:	Intact:
SCOTT LAKE [illegible]	031	6/5/08	930	Y-N

Sample Courier: UPS

Turnaround Time Requested: 30 days

Samplers: Jim Salch

Lab Comments:

Supervisor Releasing Results: Gary Bergmann by cnc

Date: 7/7/08

Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00

Client Sample ID:	**X114A**			Lab Sample ID:	**S806602-01**
Matrix:	Soil	Collected By:	JT	Date/Time Collected:	06/04/08 10:45
Sample Type:		Sample Depth:	0 Feet	Total Depth:	Feet

Pesticides/PCBs by ECD

Method:	8081/8082	Analyzed:	06/11/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
alpha-BHC	ND		5.9	
' 'ta-BHC	ND		5.9	
a-BHC	ND		5.9	
gamma-BHC	ND		5.9	
Heptachlor	ND		5.9	
Aldrin	ND		5.9	
Heptachlor epoxide	ND		5.9	
Endosulfan I	ND		5.9	
Dieldrin	ND		5.9	
p,p'-DDE	ND		5.9	
Endrin	ND		5.9	
Endosulfan II	ND		5.9	
p,p'-DDD	ND		5.9	
Endosulfan sulfate	ND		5.9	
p,p'-DDT	ND		5.9	
Methoxychlor	ND		29	
Endrin ketone	ND		5.9	
Endrin aldehyde	ND		5.9	
alpha-Chlordane	ND		12	
gamma-Chlordane	ND		12	
Toxaphene	ND		120	
Aroclor 1016	ND		12	
Aroclor 1221	ND		12	
Aroclor 1232	ND		12	

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LABORATORY RESULTS

Name:	**NORTH CHICAGO**		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**X114A**	Lab Sample ID:	**S806602-01**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/04/08 10:45
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Pesticides/PCBs by ECD

Method:	8081/8082	Analyzed:	06/11/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Aroclor 1242	ND		12	
Aroclor 1248	ND		12	
Aroclor 1254	ND		12	
Aroclor 1260	ND		12	

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Analyzed:	06/16/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Chloromethane	ND		1.8	
Vinyl chloride	ND		1.8	
Bromomethane	ND		1.8	
Chloroethane	ND		1.8	
Trichlorofluoromethane	ND		1.8	
Acetone	**160**		9.2	
1,1-Dichloroethene	ND		1.8	
Methylene chloride	ND		4.6	
Carbon disulfide	ND		1.8	
trans-1,2-Dichloroethene	ND		1.8	
Methyl tert-butyl ether	ND		1.8	
1,1-Dichloroethane	ND		1.8	

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LABORATORY RESULTS

Name:	**NORTH CHICAGO**		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**X114A**	Lab Sample ID:	**S806602-01**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/04/08 10:45
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Analyzed:	06/16/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
2-Butanone (MEK)	**180**	J6, L	9.2	
's-1,2-Dichloroethene	ND		1.8	
,mochloromethane	ND		1.8	
Chloroform	ND		1.8	
2,2-Dichloropropane	ND		1.8	
1,2-Dichloroethane	ND		1.8	
1,1,1-Trichloroethane	ND		1.8	
1,1-Dichloropropene	ND		1.8	
Carbon tetrachloride	ND		1.8	
Benzene	**84**		1.8	
Dibromomethane	ND		1.8	
1,2-Dichloropropane	ND		1.8	
Trichloroethene	ND		1.8	
Bromodichloromethane	ND		1.8	
cis-1,3-Dichloropropene	ND		1.8	
4-Methyl-2-pentanone (MIBK)	**14**		1.8	
trans-1,3-Dichloropropene	ND		1.8	
1,1,2-Trichloroethane	ND		1.8	
Toluene	**180**	L	1.8	
1,3-Dichloropropane	ND		1.8	
2-Hexanone (MBK)	**54**		1.8	
Dibromochloromethane	ND		1.8	
1,2-Dibromoethane	ND		1.8	
Tetrachloroethene	ND		1.8	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00

Client Sample ID:	**X114A**	Lab Sample ID:	**S806602-01**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/04/08 10:45
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Analyzed:	06/16/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
1,1,1,2-Tetrachloroethane	ND		1.8	
Chlorobenzene	ND		1.8	
Ethylbenzene	**100**		1.8	
Bromoform	ND		1.8	
Styrene	ND		1.8	
1,1,2,2-Tetrachloroethane	ND		1.8	
Xylenes, total	**550**	L	1.8	
1,2,3-Trichloropropane	ND		1.8	
Isopropylbenzene	**61**		1.8	
Bromobenzene	ND		1.8	

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/16/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Pyridine	ND		59	
2-Picoline	ND		59	
Methyl methanesulfonate	ND		59	
Ethyl methanesulfonate	ND		59	
Phenol	ND		59	
Bis(2-chloroethyl)ether	ND		59	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**X114A**	Lab Sample ID:	**S806602-01**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/04/08 10:45
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/16/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
2-Chlorophenol	ND		59	
3-Dichlorobenzene	ND		59	
Dichlorobenzene	ND		59	
1,2-Dichlorobenzene	ND		59	
2-Methylphenol	ND		59	
2,2'-Oxybis(1-chloropropane)	ND		59	
Acetophenone	ND		59	
4-Methylphenol	ND		59	
N-Nitrosodi-n-propylamine	ND		59	
Hexachloroethane	ND		59	
Nitrobenzene	ND		59	
N-Nitrosopiperidine	ND	J3	59	
Isophorone	ND	J3	59	
2-Nitrophenol	ND		59	
2,4-Dimethylphenol	**120**		59	
Bis(2-chloroethoxy)methane	ND		59	
2,4-Dichlorophenol	ND		59	
1,2,4-Trichlorobenzene	ND		59	
Naphthalene	**89**	J7	59	
4-Chloroaniline	ND		59	
2,6-Dichlorophenol	ND		59	
Hexachloropropene	ND		59	
Hexachlorobutadiene	ND		59	
N-Nitrosodi-n-butylamine	ND	J3	59	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**X114A**	Lab Sample ID:	**S806602-01**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/04/08 10:45
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/16/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
4-Chloro-3-methylphenol	ND	J3	59	
ˋsafrole	ND		59	
lethylnaphthalene	ND		59	
ı,2,4,5-Tetrachlorobenzene	ND	J3	59	
Hexachlorocyclopentadiene	ND		200	
2,4,6-Trichlorophenol	ND	J3	59	
2,4,5-Trichlorophenol	ND	J3	59	
Safrole	ND	J3	59	
2-Chloronaphthalene	ND	J3	59	
1-Chloronaphthalene	ND	J3	59	
2-Nitroaniline	ND	J3	59	
1,4-Dinitrobenzene	ND	J3	59	
Dimethylphthalate	ND	J3	59	
1,3-Dinitrobenzene	ND		59	
2,6-Dinitrotoluene	ND	J3	59	
Acenaphthylene	ND		59	
1,2-Dinitrobenzene	ND	J3	59	
3-Nitroaniline	ND		59	
Acenaphthene	ND	J3	59	
2,4-Dinitrophenol	ND		200	
4-Nitrophenol	ND		59	
Dibenzofuran	ND	J3	59	
2,4-Dinitrotoluene	ND	J3	59	
Pentachlorobenzene	ND	J3	59	

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LABORATORY RESULTS

Name:	**NORTH CHICAGO**		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**X114A**	Lab Sample ID:	**S806602-01**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/04/08 10:45
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/16/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
1-Naphthylamine	ND		200	
^ Naphthylamine	ND		59	
,4,6-Tetrachlorophenol	ND		59	
Diethylphthalate	ND	J3	59	
4-Chlorophenyl phenyl ether	ND	J3	59	
Fluorene	ND	J3	59	
4-Nitroaniline	ND		59	
4,6-Dinitro-2-methylphenol	ND		390	
Diphenylamine	ND		59	
Azobenzene *	ND	J3	59	
Phenacetin	ND	J3	59	
4-Bromophenyl phenyl ether	ND	J3	59	
Hexachlorobenzene	ND	J3	59	
Pentachlorophenol	ND		590	
Pronamide	ND		59	
Pentachloronitrobenzene	ND		59	
Phenanthrene	ND		59	
Anthracene	ND	J3	59	
Carbazole	ND	J3	59	
4-Nitrobiphenyl	ND		59	
Di-n-butylphthalate	**71**	J6, V	59	
5-Nitroacenaphthene	ND		59	
Isodrin	ND		59	
Fluoranthene	ND		59	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00

Client Sample ID:	**X114A**	Lab Sample ID:	**S806602-01**
Matrix: Soil	Collected By: JT	Date/Time Collected:	06/04/08 10:45
Sample Type:	Sample Depth: 0 Feet	Total Depth:	Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/16/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Pyrene	ND		59	
p-Dimethylaminoazobenzene	ND		59	
yl benzyl phthalate	ND		59	
-Dichlorobenzidine	ND		59	
Benzo(a)anthracene	ND		59	
Chrysene	ND		59	
Bis(2-ethylhexyl)phthalate	**470**	J3	200	
Mestranol	ND		59	
Di-n-octylphthalate	ND		59	
Benzo(b)fluoranthene	ND		59	
7,12-Dimethylbenzo(a)anthracene	ND		59	
Benzo(k)fluoranthene	ND		59	
Benzo(a)pyrene	ND		59	
Indeno(1,2,3-cd)pyrene	ND		59	
Dibenzo(a,h)anthracene	ND		59	
Benzo(ghi)perylene	ND		59	

pH *

Method:	150.1	Analyzed:	06/10/08
Units:	PH		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level

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LABORATORY RESULTS

Name:	**NORTH CHICAGO**		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**X114A**	Lab Sample ID:	**S806602-01**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/04/08 10:45
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

pH *

Method:	150.1	Analyzed:	06/10/08
Units:	PH		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
pH	**7.20**		0.10	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**X114B**	Lab Sample ID:	**S806602-02**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/04/08 10:45
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Analyzed:	06/16/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Chloromethane	ND		2.0	
Vinyl chloride	ND		2.0	
›momethane	ND		2.0	
..loroethane	ND		2.0	
Trichlorofluoromethane	ND		2.0	
Acetone	**18**		10	
1,1-Dichloroethene	ND		2.0	
Methylene chloride	ND		5.0	
Carbon disulfide	ND		2.0	
trans-1,2-Dichloroethene	ND		2.0	
Methyl tert-butyl ether	ND		2.0	
1,1-Dichloroethane	ND		2.0	
2-Butanone (MEK)	**29**	J6	10	
cis-1,2-Dichloroethene	ND		2.0	
Bromochloromethane	ND		2.0	
Chloroform	ND		2.0	
2,2-Dichloropropane	ND		2.0	
1,2-Dichloroethane	ND		2.0	
1,1,1-Trichloroethane	ND		2.0	
1,1-Dichloropropene	ND		2.0	
Carbon tetrachloride	ND		2.0	
Benzene	**3.5**		2.0	
Dibromomethane	ND		2.0	
1,2-Dichloropropane	ND		2.0	

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Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**X114B**	Lab Sample ID:	**S806602-02**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/04/08 10:45
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Analyzed:	06/16/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Trichloroethene	ND		2.0	
Bromodichloromethane	ND		2.0	
1,3-Dichloropropene	ND		2.0	
Methyl-2-pentanone (MIBK)	**5.5**		2.0	
trans-1,3-Dichloropropene	ND		2.0	
1,1,2-Trichloroethane	ND		2.0	
Toluene	**6.1**	J3	2.0	
1,3-Dichloropropane	ND		2.0	
2-Hexanone (MBK)	ND		2.0	
Dibromochloromethane	ND		2.0	
1,2-Dibromoethane	ND		2.0	
Tetrachloroethene	ND		2.0	
1,1,1,2-Tetrachloroethane	ND		2.0	
Chlorobenzene	ND		2.0	
Ethylbenzene	**7.1**		2.0	
Bromoform	ND		2.0	
Styrene	ND		2.0	
1,1,2,2-Tetrachloroethane	ND		2.0	
Xylenes, total	**45**		2.0	
1,2,3-Trichloropropane	ND		2.0	
Isopropylbenzene	**9.3**		2.0	
Bromobenzene	ND		2.0	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**X114B**	Lab Sample ID:	**S806602-02**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/04/08 10:45
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/16/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Pyridine	ND		59	
2-Picoline	ND		59	
thyl methanesulfonate	ND		59	
ıyl methanesulfonate	ND		59	
Phenol	ND		59	
Bis(2-chloroethyl)ether	ND		59	
2-Chlorophenol	ND		59	
1,3-Dichlorobenzene	ND		59	
1,4-Dichlorobenzene	ND		59	
1,2-Dichlorobenzene	ND		59	
2-Methylphenol	ND		59	
2,2'-Oxybis(1-chloropropane)	ND		59	
Acetophenone	ND		59	
4-Methylphenol	ND		59	
N-Nitrosodi-n-propylamine	ND		59	
Hexachloroethane	ND		59	
Nitrobenzene	ND		59	
N-Nitrosopiperidine	ND		59	
Isophorone	ND		59	
2-Nitrophenol	ND		59	
2,4-Dimethylphenol	ND		59	
Bis(2-chloroethoxy)methane	ND		59	
2,4-Dichlorophenol	ND		59	
1,2,4-Trichlorobenzene	ND		59	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00

Client Sample ID:	**X114B**	Lab Sample ID:	**S806602-02**
Matrix: Soil	Collected By: JT	Date/Time Collected:	06/04/08 10:45
Sample Type:	Sample Depth: 0 Feet	Total Depth:	Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/16/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Naphthalene	ND	J7	59	
4-Chloroaniline	ND		59	
Dichlorophenol	ND		59	
xachloropropene	ND		59	
Hexachlorobutadiene	ND		59	
N-Nitrosodi-n-butylamine	ND		59	
4-Chloro-3-methylphenol	ND		59	
Isosafrole	ND		59	
2-Methylnaphthalene	ND		59	
1,2,4,5-Tetrachlorobenzene	ND		59	
Hexachlorocyclopentadiene	ND		200	
2,4,6-Trichlorophenol	ND		59	
2,4,5-Trichlorophenol	ND		59	
Safrole	ND		59	
2-Chloronaphthalene	ND		59	
1-Chloronaphthalene	ND		59	
2-Nitroaniline	ND		59	
1,4-Dinitrobenzene	ND		59	
Dimethylphthalate	ND		59	
1,3-Dinitrobenzene	ND		59	
2,6-Dinitrotoluene	ND		59	
Acenaphthylene	ND		59	
1,2-Dinitrobenzene	ND		59	
3-Nitroaniline	ND		59	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00

Client Sample ID:	**X114B**	Lab Sample ID:	**S806602-02**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/04/08 10:45
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/16/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Acenaphthene	ND		59	
2,4-Dinitrophenol	ND		200	
litrophenol	ND		59	
enzofuran	ND		59	
2,4-Dinitrotoluene	ND		59	
Pentachlorobenzene	ND		59	
1-Naphthylamine	ND		200	
2-Naphthylamine	ND		59	
2,3,4,6-Tetrachlorophenol	ND		59	
Diethylphthalate	ND		59	
4-Chlorophenyl phenyl ether	ND		59	
Fluorene	ND		59	
4-Nitroaniline	ND		59	
4,6-Dinitro-2-methylphenol	ND		390	
Diphenylamine	ND		59	
Azobenzene *	ND		59	
Phenacetin	ND		59	
4-Bromophenyl phenyl ether	ND		59	
Hexachlorobenzene	ND		59	
Pentachlorophenol	ND		590	
Pronamide	ND		59	
Pentachloronitrobenzene	ND		59	
Phenanthrene	ND		59	
Anthracene	ND		59	

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07/03/08 15:56

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825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**X114B**	Lab Sample ID:	**S806602-02**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/04/08 10:45
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/16/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Carbazole	ND		59	
4-Nitrobiphenyl	ND		59	
n-butylphthalate	**92**	J6, V	59	
Nitroacenaphthene	ND		59	
Isodrin	ND		59	
Fluoranthene	ND		59	
Pyrene	ND		59	
p-Dimethylaminoazobenzene	ND		59	
Butyl benzyl phthalate	ND		59	
3,3'-Dichlorobenzidine	ND		59	
Benzo(a)anthracene	ND		59	
Chrysene	ND		59	
Bis(2-ethylhexyl)phthalate	ND		200	
Mestranol	ND		59	
Di-n-octylphthalate	ND		59	
Benzo(b)fluoranthene	ND		59	
7,12-Dimethylbenzo(a)anthracene	ND		59	
Benzo(k)fluoranthene	ND		59	
Benzo(a)pyrene	ND		59	
Indeno(1,2,3-cd)pyrene	ND		59	
Dibenzo(a,h)anthracene	ND		59	
Benzo(ghi)perylene	ND		59	

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LABORATORY RESULTS

Name:	**NORTH CHICAGO**		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**X114B**	Lab Sample ID:	**S806602-02**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/04/08 10:45
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

pH *

Method:	150.1	Analyzed:	06/10/08
Units:	PH		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
pH	**7.40**		0.10	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**X115**	Lab Sample ID:	**S806602-03**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/04/08 12:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Analyzed:	06/16/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Chloromethane	ND		1.8	
Vinyl chloride	ND		1.8	
Bromomethane	ND		1.8	
Chloroethane	ND		1.8	
Trichlorofluoromethane	ND		1.8	
Acetone	**16**		9.0	
1,1-Dichloroethene	ND		1.8	
Methylene chloride	ND		4.5	
Carbon disulfide	ND		1.8	
trans-1,2-Dichloroethene	ND		1.8	
Methyl tert-butyl ether	ND		1.8	
1,1-Dichloroethane	ND		1.8	
2-Butanone (MEK)	ND	J5	9.0	
cis-1,2-Dichloroethene	ND		1.8	
Bromochloromethane	ND		1.8	
Chloroform	ND		1.8	
2,2-Dichloropropane	ND		1.8	
1,2-Dichloroethane	ND		1.8	
1,1,1-Trichloroethane	ND		1.8	
1,1-Dichloropropene	ND		1.8	
Carbon tetrachloride	ND		1.8	
Benzene	**47**		1.8	
Dibromomethane	ND		1.8	
1,2-Dichloropropane	ND		1.8	

Illinois Environmental Protection Agency Laboratory

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**X115**	Lab Sample ID:	**S806602-03**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/04/08 12:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Analyzed:	06/16/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Trichloroethene	ND		1.8	
Bromodichloromethane	ND		1.8	
1,3-Dichloropropene	ND		1.8	
4-Methyl-2-pentanone (MIBK)	ND		1.8	
trans-1,3-Dichloropropene	ND		1.8	
1,1,2-Trichloroethane	ND		1.8	
Toluene	ND	J1	1.8	
1,3-Dichloropropane	ND	J1	1.8	
2-Hexanone (MBK)	ND	J1	1.8	
Dibromochloromethane	ND	J1	1.8	
1,2-Dibromoethane	ND	J1	1.8	
Tetrachloroethene	ND	J1	1.8	
1,1,1,2-Tetrachloroethane	ND	J1	1.8	
Chlorobenzene	ND	J1	1.8	
Ethylbenzene	**180**	L, J1	1.8	
Bromoform	ND	J1	1.8	
Styrene	ND	J1	1.8	
1,1,2,2-Tetrachloroethane	ND	J1	1.8	
Xylenes, total	**540**	L, J1	1.8	
1,2,3-Trichloropropane	ND	J1	1.8	
Isopropylbenzene	**180**	L, J1	1.8	
Bromobenzene	ND	J1	1.8	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**X115**	Lab Sample ID:	**S806602-03**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/04/08 12:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/17/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Pyridine	ND		57	
^ Picoline	ND		57	
thyl methanesulfonate	ND		57	
Ethyl methanesulfonate	ND		57	
Phenol	ND		57	
Bis(2-chloroethyl)ether	ND		57	
2-Chlorophenol	ND		57	
1,3-Dichlorobenzene	ND		57	
1,4-Dichlorobenzene	ND		57	
1,2-Dichlorobenzene	ND		57	
2-Methylphenol	ND		57	
2,2'-Oxybis(1-chloropropane)	ND		57	
Acetophenone	ND		57	
4-Methylphenol	ND		57	
N-Nitrosodi-n-propylamine	ND		57	
Hexachloroethane	ND		57	
Nitrobenzene	ND		57	
N-Nitrosopiperidine	ND		57	
Isophorone	ND		57	
2-Nitrophenol	ND		57	
2,4-Dimethylphenol	ND		57	
Bis(2-chloroethoxy)methane	ND		57	
2,4-Dichlorophenol	ND		57	
1,2,4-Trichlorobenzene	ND		57	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**X115**	Lab Sample ID:	**S806602-03**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/04/08 12:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/17/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Naphthalene	**740**	J7	57	
' Chloroaniline	ND		57	
-Dichlorophenol	ND		57	
Hexachloropropene	ND		57	
Hexachlorobutadiene	ND		57	
N-Nitrosodi-n-butylamine	ND		57	
4-Chloro-3-methylphenol	ND		57	
Isosafrole	ND		57	
2-Methylnaphthalene	**440**		57	
1,2,4,5-Tetrachlorobenzene	ND		57	
Hexachlorocyclopentadiene	ND		190	
2,4,6-Trichlorophenol	ND		57	
2,4,5-Trichlorophenol	ND		57	
Safrole	ND		57	
2-Chloronaphthalene	ND		57	
1-Chloronaphthalene	ND		57	
2-Nitroaniline	ND		57	
1,4-Dinitrobenzene	ND		57	
Dimethylphthalate	ND		57	
1,3-Dinitrobenzene	ND		57	
2,6-Dinitrotoluene	ND		57	
Acenaphthylene	ND		57	
1,2-Dinitrobenzene	ND		57	
3-Nitroaniline	ND		57	

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Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**X115**	Lab Sample ID:	**S806602-03**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/04/08 12:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/17/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Acenaphthene	ND		57	
^ 4-Dinitrophenol	ND		190	
itrophenol	ND		57	
Dibenzofuran	ND		57	
2,4-Dinitrotoluene	ND		57	
Pentachlorobenzene	ND		57	
1-Naphthylamine	ND		190	
2-Naphthylamine	ND		57	
2,3,4,6-Tetrachlorophenol	ND		57	
Diethylphthalate	**64**	V	57	
4-Chlorophenyl phenyl ether	ND		57	
Fluorene	ND		57	
4-Nitroaniline	ND		57	
4,6-Dinitro-2-methylphenol	ND		380	
Diphenylamine	ND		57	
Azobenzene *	ND		57	
Phenacetin	ND		57	
4-Bromophenyl phenyl ether	ND		57	
Hexachlorobenzene	ND		57	
Pentachlorophenol	ND		570	
Pronamide	ND		57	
Pentachloronitrobenzene	ND		57	
Phenanthrene	**190**		57	
Anthracene	ND		57	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**X115**	Lab Sample ID:	**S806602-03**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/04/08 12:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/17/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Carbazole	ND		57	
' Nitrobiphenyl	ND		57	
n-butylphthalate	**180**	J6, V	57	
ɔ-Nitroacenaphthene	ND		57	
Isodrin	ND		57	
Fluoranthene	**68**		57	
Pyrene	**110**		57	
p-Dimethylaminoazobenzene	ND		57	
Butyl benzyl phthalate	ND		57	
3,3'-Dichlorobenzidine	ND		57	
Benzo(a)anthracene	ND		57	
Chrysene	ND		57	
Bis(2-ethylhexyl)phthalate	**3000**		190	
Mestranol	ND		57	
Di-n-octylphthalate	ND		57	
Benzo(b)fluoranthene	ND		57	
7,12-Dimethylbenzo(a)anthracene	ND		57	
Benzo(k)fluoranthene	**90**		57	
Benzo(a)pyrene	ND		57	
Indeno(1,2,3-cd)pyrene	ND		57	
Dibenzo(a,h)anthracene	ND		57	
Benzo(ghi)perylene	ND		57	

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LABORATORY RESULTS

Name:	**NORTH CHICAGO**		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**X115**	Lab Sample ID:	**S806602-03**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/04/08 12:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

pH *

Method:	150.1	Analyzed:	06/10/08
Units:	PH		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
pH	**6.60**		0.10	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**X116A**	Lab Sample ID:	**S806602-04**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/04/08 16:15
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Analyzed:	06/16/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Chloromethane	ND		1.7	
Vinyl chloride	ND		1.7	
Bromomethane	ND		1.7	
Chloroethane	ND		1.7	
Trichlorofluoromethane	ND		1.7	
Acetone	**170**	L	8.6	
1,1-Dichloroethene	ND		1.7	
Methylene chloride	ND		4.3	
Carbon disulfide	**2.8**		1.7	
trans-1,2-Dichloroethene	ND		1.7	
Methyl tert-butyl ether	ND		1.7	
1,1-Dichloroethane	ND		1.7	
2-Butanone (MEK)	**170**	J6, L	8.6	
cis-1,2-Dichloroethene	**93**		1.7	
Bromochloromethane	ND		1.7	
Chloroform	ND		1.7	
2,2-Dichloropropane	ND		1.7	
1,2-Dichloroethane	**15**		1.7	
1,1,1-Trichloroethane	ND		1.7	
1,1-Dichloropropene	ND		1.7	
Carbon tetrachloride	ND		1.7	
Benzene	**170**	L	1.7	
Dibromomethane	ND		1.7	
1,2-Dichloropropane	ND		1.7	

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Illinois Environmental Protection Agency Laboratory

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**X116A**	Lab Sample ID:	**S806602-04**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/04/08 16:15
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Analyzed:	06/16/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Trichloroethene	ND		1.7	
Bromodichloromethane	ND		1.7	
1,3-Dichloropropene	ND		1.7	
4-Methyl-2-pentanone (MIBK)	**170**	L	1.7	
trans-1,3-Dichloropropene	ND		1.7	
1,1,2-Trichloroethane	ND		1.7	
Toluene	**170**	L	1.7	
1,3-Dichloropropane	ND		1.7	
2-Hexanone (MBK)	ND		1.7	
Dibromochloromethane	ND		1.7	
1,2-Dibromoethane	ND		1.7	
Tetrachloroethene	ND		1.7	
1,1,1,2-Tetrachloroethane	ND		1.7	
Chlorobenzene	ND		1.7	
Ethylbenzene	**170**	L	1.7	
Bromoform	ND		1.7	
Styrene	ND		1.7	
1,1,2,2-Tetrachloroethane	ND		1.7	
Xylenes, total	**510**	L	1.7	
1,2,3-Trichloropropane	ND		1.7	
Isopropylbenzene	**170**	L	1.7	
Bromobenzene	ND		1.7	

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825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00

Client Sample ID:	**X116A**	Lab Sample ID:	**S806602-04**
Matrix: Soil	Collected By: JT	Date/Time Collected:	06/04/08 16:15
Sample Type:	Sample Depth: 0 Feet	Total Depth:	Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/17/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Pyridine	ND		56	
? -Picoline	ND		56	
thyl methanesulfonate	ND		56	
Ethyl methanesulfonate	ND		56	
Phenol	ND		56	
Bis(2-chloroethyl)ether	ND		56	
2-Chlorophenol	ND		56	
1,3-Dichlorobenzene	ND		56	
1,4-Dichlorobenzene	ND		56	
1,2-Dichlorobenzene	ND		56	
2-Methylphenol	ND		56	
2,2'-Oxybis(1-chloropropane)	ND		56	
Acetophenone	ND		56	
4-Methylphenol	ND		56	
N-Nitrosodi-n-propylamine	ND		56	
Hexachloroethane	ND		56	
Nitrobenzene	ND		56	
N-Nitrosopiperidine	ND		56	
Isophorone	ND		56	
2-Nitrophenol	ND		56	
2,4-Dimethylphenol	ND		56	
Bis(2-chloroethoxy)methane	ND		56	
2,4-Dichlorophenol	ND		56	
1,2,4-Trichlorobenzene	ND		56	

Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	**NORTH CHICAGO**		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**X116A**	Lab Sample ID:	**S806602-04**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/04/08 16:15
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/17/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Naphthalene	**270**	J7	56	
' Chloroaniline	ND		56	
·Dichlorophenol	ND		56	
Hexachloropropene	ND		56	
Hexachlorobutadiene	ND		56	
N-Nitrosodi-n-butylamine	ND		56	
4-Chloro-3-methylphenol	ND		56	
Isosafrole	ND		56	
2-Methylnaphthalene	**71**		56	
1,2,4,5-Tetrachlorobenzene	ND		56	
Hexachlorocyclopentadiene	ND		190	
2,4,6-Trichlorophenol	ND		56	
2,4,5-Trichlorophenol	ND		56	
Safrole	ND		56	
2-Chloronaphthalene	ND		56	
1-Chloronaphthalene	ND		56	
2-Nitroaniline	ND		56	
1,4-Dinitrobenzene	ND		56	
Dimethylphthalate	ND		56	
1,3-Dinitrobenzene	ND		56	
2,6-Dinitrotoluene	ND		56	
Acenaphthylene	ND		56	
1,2-Dinitrobenzene	ND		56	
3-Nitroaniline	ND		56	

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Reported:
07/03/08 15:56

Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00

Client Sample ID:	**X116A**	Lab Sample ID:	**S806602-04**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/04/08 16:15
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/17/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Acenaphthene	ND		56	
⁻ ⁴-Dinitrophenol	ND		190	
;itrophenol	ND		56	
Dibenzofuran	ND		56	
2,4-Dinitrotoluene	ND		56	
Pentachlorobenzene	ND		56	
1-Naphthylamine	ND		190	
2-Naphthylamine	ND		56	
2,3,4,6-Tetrachlorophenol	ND		56	
Diethylphthalate	ND		56	
4-Chlorophenyl phenyl ether	ND		56	
Fluorene	ND		56	
4-Nitroaniline	ND		56	
4,6-Dinitro-2-methylphenol	ND		370	
Diphenylamine	ND		56	
Azobenzene *	ND		56	
Phenacetin	ND		56	
4-Bromophenyl phenyl ether	ND		56	
Hexachlorobenzene	ND		56	
Pentachlorophenol	ND		560	
Pronamide	ND		56	
Pentachloronitrobenzene	ND		56	
Phenanthrene	ND		56	
Anthracene	ND		56	

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Reported:
07/03/08 15:56

Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	**NORTH CHICAGO**		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00

Client Sample ID:	**X116A**	Lab Sample ID:	**S806602-04**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/04/08 16:15
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/17/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Carbazole	ND		56	
' Nitrobiphenyl	ND		56	
n-butylphthalate	ND	J5	56	
5-Nitroacenaphthene	ND		56	
Isodrin	ND		56	
Fluoranthene	ND		56	
Pyrene	ND		56	
p-Dimethylaminoazobenzene	ND		56	
Butyl benzyl phthalate	ND		56	
3,3'-Dichlorobenzidine	ND		56	
Benzo(a)anthracene	ND		56	
Chrysene	ND		56	
Bis(2-ethylhexyl)phthalate	**220**		190	
Mestranol	ND		56	
Di-n-octylphthalate	ND		56	
Benzo(b)fluoranthene	ND		56	
7,12-Dimethylbenzo(a)anthracene	ND		56	
Benzo(k)fluoranthene	ND		56	
Benzo(a)pyrene	ND		56	
Indeno(1,2,3-cd)pyrene	ND		56	
Dibenzo(a,h)anthracene	ND		56	
Benzo(ghi)perylene	ND		56	

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LABORATORY RESULTS

Name:	**NORTH CHICAGO**		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**X116A**	Lab Sample ID:	**S806602-04**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/04/08 16:15
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

pH *

Method:	150.1	Analyzed:	06/10/08
Units:	PH		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
pH	**7.50**		0.10	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00

Client Sample ID:	**X116B**	Lab Sample ID:	**S806602-05**
Matrix: Soil	Collected By: JT	Date/Time Collected:	06/04/08 16:15
Sample Type:	Sample Depth: 0 Feet	Total Depth:	Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Analyzed:	06/16/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Chloromethane	ND		1.8	
Vinyl chloride	ND		1.8	
momethane	ND		1.8	
Chloroethane	ND		1.8	
Trichlorofluoromethane	ND		1.8	
Acetone	**180**	L	9.0	
1,1-Dichloroethene	ND		1.8	
Methylene chloride	ND		4.5	
Carbon disulfide	**6.3**		1.8	
trans-1,2-Dichloroethene	ND		1.8	
Methyl tert-butyl ether	ND		1.8	
1,1-Dichloroethane	ND		1.8	
2-Butanone (MEK)	**180**	J6, L	9.0	
cis-1,2-Dichloroethene	**6.2**		1.8	
Bromochloromethane	ND		1.8	
Chloroform	ND		1.8	
2,2-Dichloropropane	ND		1.8	
1,2-Dichloroethane	ND		1.8	
1,1,1-Trichloroethane	ND		1.8	
1,1-Dichloropropene	ND		1.8	
Carbon tetrachloride	ND		1.8	
Benzene	**180**	L	1.8	
Dibromomethane	ND		1.8	
1,2-Dichloropropane	ND		1.8	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**X116B**	Lab Sample ID:	**S806602-05**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/04/08 16:15
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Analyzed:	06/16/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Trichloroethene	ND		1.8	
Bromodichloromethane	ND		1.8	
1,3-Dichloropropene	ND		1.8	
4-Methyl-2-pentanone (MIBK)	**180**	L	1.8	
trans-1,3-Dichloropropene	ND		1.8	
1,1,2-Trichloroethane	ND		1.8	
Toluene	**180**	L	1.8	
1,3-Dichloropropane	ND		1.8	
2-Hexanone (MBK)	**180**	L	1.8	
Dibromochloromethane	ND		1.8	
1,2-Dibromoethane	ND		1.8	
Tetrachloroethene	ND		1.8	
1,1,1,2-Tetrachloroethane	ND		1.8	
Chlorobenzene	ND		1.8	
Ethylbenzene	**120**		1.8	
Bromoform	ND		1.8	
Styrene	ND		1.8	
1,1,2,2-Tetrachloroethane	ND		1.8	
Xylenes, total	**540**	L	1.8	
1,2,3-Trichloropropane	ND		1.8	
Isopropylbenzene	**7.7**		1.8	
Bromobenzene	ND		1.8	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**X116B**	Lab Sample ID:	**S806602-05**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/04/08 16:15
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/17/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Pyridine	ND		56	
~ Picoline	ND		56	
:hyl methanesulfonate	ND		56	
Ethyl methanesulfonate	ND		56	
Phenol	ND		56	
Bis(2-chloroethyl)ether	ND		56	
2-Chlorophenol	ND		56	
1,3-Dichlorobenzene	ND		56	
1,4-Dichlorobenzene	ND		56	
1,2-Dichlorobenzene	ND		56	
2-Methylphenol	ND		56	
2,2'-Oxybis(1-chloropropane)	ND		56	
Acetophenone	ND		56	
4-Methylphenol	ND		56	
N-Nitrosodi-n-propylamine	ND		56	
Hexachloroethane	ND		56	
Nitrobenzene	ND		56	
N-Nitrosopiperidine	ND		56	
Isophorone	ND		56	
2-Nitrophenol	ND		56	
2,4-Dimethylphenol	ND		56	
Bis(2-chloroethoxy)methane	ND		56	
2,4-Dichlorophenol	ND		56	
1,2,4-Trichlorobenzene	ND		56	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00

Client Sample ID:	**X116B**	Lab Sample ID:	**S806602-05**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/04/08 16:15
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/17/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Naphthalene	ND	J7	56	
' Chloroaniline	ND		56	
·Dichlorophenol	ND		56	
Hexachloropropene	ND		56	
Hexachlorobutadiene	ND		56	
N-Nitrosodi-n-butylamine	ND		56	
4-Chloro-3-methylphenol	ND		56	
Isosafrole	ND		56	
2-Methylnaphthalene	ND		56	
1,2,4,5-Tetrachlorobenzene	ND		56	
Hexachlorocyclopentadiene	ND		190	
2,4,6-Trichlorophenol	ND		56	
2,4,5-Trichlorophenol	ND		56	
Safrole	ND		56	
2-Chloronaphthalene	ND		56	
1-Chloronaphthalene	ND		56	
2-Nitroaniline	ND		56	
1,4-Dinitrobenzene	ND		56	
Dimethylphthalate	ND		56	
1,3-Dinitrobenzene	ND		56	
2,6-Dinitrotoluene	ND		56	
Acenaphthylene	ND		56	
1,2-Dinitrobenzene	ND		56	
3-Nitroaniline	ND		56	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**X116B**	Lab Sample ID:	**S806602-05**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/04/08 16:15
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/17/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Acenaphthene	ND		56	
⁻ ⁴-Dinitrophenol	ND		190	
.itrophenol	ND		56	
Dibenzofuran	ND		56	
2,4-Dinitrotoluene	ND		56	
Pentachlorobenzene	ND		56	
1-Naphthylamine	ND		190	
2-Naphthylamine	ND		56	
2,3,4,6-Tetrachlorophenol	ND		56	
Diethylphthalate	ND		56	
4-Chlorophenyl phenyl ether	ND		56	
Fluorene	ND		56	
4-Nitroaniline	ND		56	
4,6-Dinitro-2-methylphenol	ND		370	
Diphenylamine	ND		56	
Azobenzene *	ND		56	
Phenacetin	ND		56	
4-Bromophenyl phenyl ether	ND		56	
Hexachlorobenzene	ND		56	
Pentachlorophenol	ND		560	
Pronamide	ND		56	
Pentachloronitrobenzene	ND		56	
Phenanthrene	ND		56	
Anthracene	ND		56	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**X116B**	Lab Sample ID:	**S806602-05**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/04/08 16:15
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/17/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Carbazole	ND		56	
' Nitrobiphenyl	ND		56	
ı-butylphthalate	**86**	V, J6	56	
ɔ-Nitroacenaphthene	ND		56	
Isodrin	ND		56	
Fluoranthene	ND		56	
Pyrene	ND		56	
p-Dimethylaminoazobenzene	ND		56	
Butyl benzyl phthalate	ND		56	
3,3'-Dichlorobenzidine	ND		56	
Benzo(a)anthracene	ND		56	
Chrysene	ND		56	
Bis(2-ethylhexyl)phthalate	ND		190	
Mestranol	ND		56	
Di-n-octylphthalate	ND		56	
Benzo(b)fluoranthene	ND		56	
7,12-Dimethylbenzo(a)anthracene	ND		56	
Benzo(k)fluoranthene	ND		56	
Benzo(a)pyrene	ND		56	
Indeno(1,2,3-cd)pyrene	ND		56	
Dibenzo(a,h)anthracene	ND		56	
Benzo(ghi)perylene	ND		56	

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LABORATORY RESULTS

Name:	**NORTH CHICAGO**		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**X116B**	Lab Sample ID:	**S806602-05**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/04/08 16:15
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

pH *

Method:	150.1	Analyzed:	06/10/08
Units:	PH		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
pH	**7.80**		0.10	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00

Client Sample ID:	**X118**	Lab Sample ID:	**S806602-06**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/04/08 13:45
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Pesticides/PCBs by ECD

Method:	8081/8082	Analyzed:	06/11/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
alpha-BHC	ND		6.3	
beta-BHC	ND		6.3	
delta-BHC	ND		6.3	
gamma-BHC	ND		6.3	
Heptachlor	ND		6.3	
Aldrin	ND		6.3	
Heptachlor epoxide	ND		6.3	
Endosulfan I	ND		6.3	
Dieldrin	ND		6.3	
p,p'-DDE	ND		6.3	
Endrin	ND		6.3	
Endosulfan II	ND		6.3	
p,p'-DDD	ND		6.3	
Endosulfan sulfate	ND		6.3	
p,p'-DDT	ND		6.3	
Methoxychlor	ND		31	
Endrin ketone	ND		6.3	
Endrin aldehyde	ND		6.3	
alpha-Chlordane	ND		13	
gamma-Chlordane	ND		13	
Toxaphene	ND		130	
Aroclor 1016	ND		13	
Aroclor 1221	ND		13	
Aroclor 1232	ND		13	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**X118**	Lab Sample ID:	**S806602-06**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/04/08 13:45
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Pesticides/PCBs by ECD

Method:	8081/8082	Analyzed:	06/11/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Aroclor 1242	ND		13	
Aroclor 1248	ND		13	
Aroclor 1254	ND		13	
Aroclor 1260	ND		13	

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Analyzed:	06/16/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Chloromethane	ND		2.3	
Vinyl chloride	ND		2.3	
Bromomethane	ND		2.3	
Chloroethane	ND		2.3	
Trichlorofluoromethane	ND		2.3	
Acetone	ND		12	
1,1-Dichloroethene	ND		2.3	
Methylene chloride	ND		5.8	
Carbon disulfide	ND		2.3	
trans-1,2-Dichloroethene	ND		2.3	
Methyl tert-butyl ether	ND		2.3	
1,1-Dichloroethane	ND		2.3	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**X118**	Lab Sample ID:	**S806602-06**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/04/08 13:45
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Analyzed:	06/16/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
2-Butanone (MEK)	ND		12	
-1,2-Dichloroethene	ND		2.3	
mochloromethane	ND		2.3	
Chloroform	ND		2.3	
2,2-Dichloropropane	ND		2.3	
1,2-Dichloroethane	ND		2.3	
1,1,1-Trichloroethane	ND		2.3	
1,1-Dichloropropene	ND		2.3	
Carbon tetrachloride	ND		2.3	
Benzene	ND		2.3	
Dibromomethane	ND		2.3	
1,2-Dichloropropane	ND		2.3	
Trichloroethene	ND		2.3	
Bromodichloromethane	ND		2.3	
cis-1,3-Dichloropropene	ND		2.3	
4-Methyl-2-pentanone (MIBK)	ND		2.3	
trans-1,3-Dichloropropene	ND		2.3	
1,1,2-Trichloroethane	ND		2.3	
Toluene	ND		2.3	
1,3-Dichloropropane	ND		2.3	
2-Hexanone (MBK)	ND		2.3	
Dibromochloromethane	ND	J5	2.3	
1,2-Dibromoethane	ND	J5	2.3	
Tetrachloroethene	ND		2.3	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**X118**	Lab Sample ID:	**S806602-06**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/04/08 13:45
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Analyzed: 06/16/08

Units: ug/kg dry

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
1,1,1,2-Tetrachloroethane	ND		2.3	
~hlorobenzene	ND		2.3	
ylbenzene	ND		2.3	
Bromoform	ND		2.3	
Styrene	ND		2.3	
1,1,2,2-Tetrachloroethane	ND		2.3	
Xylenes, total	ND		2.3	
1,2,3-Trichloropropane	ND		2.3	
Isopropylbenzene	ND		2.3	
Bromobenzene	ND		2.3	

Semivolatiles by GC/MS

Method: 8270 Analyzed: 06/17/08

Units: ug/kg dry

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Pyridine	ND		63	
2-Picoline	ND		63	
Methyl methanesulfonate	ND		63	
Ethyl methanesulfonate	ND		63	
Phenol	ND		63	
Bis(2-chloroethyl)ether	ND		63	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**X118**	Lab Sample ID:	**S806602-06**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/04/08 13:45
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/17/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
2-Chlorophenol	ND		63	
1,3-Dichlorobenzene	ND		63	
Dichlorobenzene	ND		63	
1,2-Dichlorobenzene	ND		63	
2-Methylphenol	ND		63	
2,2'-Oxybis(1-chloropropane)	ND		63	
Acetophenone	ND		63	
4-Methylphenol	ND		63	
N-Nitrosodi-n-propylamine	ND		63	
Hexachloroethane	ND		63	
Nitrobenzene	ND		63	
N-Nitrosopiperidine	ND		63	
Isophorone	ND		63	
2-Nitrophenol	ND		63	
2,4-Dimethylphenol	ND		63	
Bis(2-chloroethoxy)methane	ND		63	
2,4-Dichlorophenol	ND		63	
1,2,4-Trichlorobenzene	ND		63	
Naphthalene	ND	J7	63	
4-Chloroaniline	ND		63	
2,6-Dichlorophenol	ND		63	
Hexachloropropene	ND		63	
Hexachlorobutadiene	ND		63	
N-Nitrosodi-n-butylamine	ND		63	

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Reported:
07/03/08 15:56

Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00

Client Sample ID:	**X118**			Lab Sample ID:	**S806602-06**
Matrix:	Soil	Collected By:	JT	Date/Time Collected:	06/04/08 13:45
Sample Type:		Sample Depth:	0 Feet	Total Depth:	Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/17/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
4-Chloro-3-methylphenol	ND		63	
˙ ˀsafrole	ND		63	
iethylnaphthalene	ND		63	
1,2,4,5-Tetrachlorobenzene	ND		63	
Hexachlorocyclopentadiene	ND		210	
2,4,6-Trichlorophenol	ND		63	
2,4,5-Trichlorophenol	ND		63	
Safrole	ND		63	
2-Chloronaphthalene	ND		63	
1-Chloronaphthalene	ND		63	
2-Nitroaniline	ND		63	
1,4-Dinitrobenzene	ND		63	
Dimethylphthalate	ND		63	
1,3-Dinitrobenzene	ND		63	
2,6-Dinitrotoluene	ND		63	
Acenaphthylene	ND		63	
1,2-Dinitrobenzene	ND		63	
3-Nitroaniline	ND		63	
Acenaphthene	ND		63	
2,4-Dinitrophenol	ND		210	
4-Nitrophenol	ND		63	
Dibenzofuran	ND		63	
2,4-Dinitrotoluene	ND		63	
Pentachlorobenzene	ND		63	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**X118**	Lab Sample ID:	**S806602-06**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/04/08 13:45
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/17/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
1-Naphthylamine	ND		210	
2-Naphthylamine	ND		63	
2,4,6-Tetrachlorophenol	ND		63	
Diethylphthalate	ND		63	
4-Chlorophenyl phenyl ether	ND		63	
Fluorene	ND		63	
4-Nitroaniline	ND		63	
4,6-Dinitro-2-methylphenol	ND		410	
Diphenylamine	ND		63	
Azobenzene *	ND		63	
Phenacetin	ND		63	
4-Bromophenyl phenyl ether	ND		63	
Hexachlorobenzene	ND		63	
Pentachlorophenol	ND		630	
Pronamide	ND		63	
Pentachloronitrobenzene	ND		63	
Phenanthrene	ND		63	
Anthracene	ND		63	
Carbazole	ND		63	
4-Nitrobiphenyl	ND		63	
Di-n-butylphthalate	**120**	J6, V	63	
5-Nitroacenaphthene	ND		63	
Isodrin	ND		63	
Fluoranthene	ND		63	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**X118**	Lab Sample ID:	**S806602-06**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/04/08 13:45
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/17/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Pyrene	ND		63	
Dimethylaminoazobenzene	ND		63	
yl benzyl phthalate	ND		63	
3,3'-Dichlorobenzidine	ND		63	
Benzo(a)anthracene	ND		63	
Chrysene	ND		63	
Bis(2-ethylhexyl)phthalate	ND		210	
Mestranol	ND		63	
Di-n-octylphthalate	ND		63	
Benzo(b)fluoranthene	ND		63	
7,12-Dimethylbenzo(a)anthracene	ND		63	
Benzo(k)fluoranthene	ND		63	
Benzo(a)pyrene	ND		63	
Indeno(1,2,3-cd)pyrene	ND		63	
Dibenzo(a,h)anthracene	ND		63	
Benzo(ghi)perylene	ND		63	

pH *

Method:	150.1	Analyzed:	06/10/08
Units:	PH		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level

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LABORATORY RESULTS

Name:	**NORTH CHICAGO**		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**X118**	Lab Sample ID:	**S806602-06**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/04/08 13:45
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

pH *

Method:	150.1	Analyzed:	06/10/08
Units:	PH		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
pH	**7.70**		0.10	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00

Client Sample ID:	**X164**	Lab Sample ID:	**S806602-07**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/04/08 10:45
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Pesticides/PCBs by ECD

Method:	8081/8082	Analyzed:	06/12/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
alpha-BHC	ND		5.9	
a-BHC	ND		5.9	
a-BHC	ND		5.9	
gamma-BHC	ND		5.9	
Heptachlor	ND		5.9	
Aldrin	ND		5.9	
Heptachlor epoxide	ND		5.9	
Endosulfan I	ND		5.9	
Dieldrin	ND		5.9	
p,p'-DDE	ND		5.9	
Endrin	ND		5.9	
Endosulfan II	ND		5.9	
p,p'-DDD	ND		5.9	
Endosulfan sulfate	ND		5.9	
p,p'-DDT	ND		5.9	
Methoxychlor	ND		29	
Endrin ketone	ND		5.9	
Endrin aldehyde	ND		5.9	
alpha-Chlordane	ND		12	
gamma-Chlordane	ND		12	
Toxaphene	ND		120	
Aroclor 1016	ND		12	
Aroclor 1221	ND		12	
Aroclor 1232	ND		12	

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Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**X164**	Lab Sample ID:	**S806602-07**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/04/08 10:45
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Pesticides/PCBs by ECD

Method:	8081/8082	Analyzed:	06/12/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Aroclor 1242	ND		12	
Aroclor 1248	ND		12	
Aroclor 1254	ND		12	
Aroclor 1260	ND		12	

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Analyzed:	06/16/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Chloromethane	ND		1.9	
Vinyl chloride	ND		1.9	
Bromomethane	ND		1.9	
Chloroethane	ND		1.9	
Trichlorofluoromethane	ND		1.9	
Acetone	**150**		9.3	
1,1-Dichloroethene	ND		1.9	
Methylene chloride	ND		4.7	
Carbon disulfide	ND		1.9	
trans-1,2-Dichloroethene	ND		1.9	
Methyl tert-butyl ether	ND		1.9	
1,1-Dichloroethane	ND		1.9	

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LABORATORY RESULTS

Name:	**NORTH CHICAGO**		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**X164**	Lab Sample ID:	**S806602-07**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/04/08 10:45
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Analyzed:	06/16/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
2-Butanone (MEK)	**190**	L	9.3	
-1,2-Dichloroethene	ND		1.9	
mochloromethane	ND		1.9	
Chloroform	ND		1.9	
2,2-Dichloropropane	ND		1.9	
1,2-Dichloroethane	ND		1.9	
1,1,1-Trichloroethane	ND		1.9	
1,1-Dichloropropene	ND		1.9	
Carbon tetrachloride	ND		1.9	
Benzene	**94**		1.9	
Dibromomethane	ND		1.9	
1,2-Dichloropropane	ND		1.9	
Trichloroethene	ND		1.9	
Bromodichloromethane	ND		1.9	
cis-1,3-Dichloropropene	ND		1.9	
4-Methyl-2-pentanone (MIBK)	**18**		1.9	
trans-1,3-Dichloropropene	ND		1.9	
1,1,2-Trichloroethane	ND		1.9	
Toluene	**190**	L	1.9	
1,3-Dichloropropane	ND		1.9	
2-Hexanone (MBK)	**42**		1.9	
Dibromochloromethane	ND	J5	1.9	
1,2-Dibromoethane	ND	J5	1.9	
Tetrachloroethene	ND		1.9	

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LABORATORY RESULTS

Name:	**NORTH CHICAGO**		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**X164**	Lab Sample ID:	**S806602-07**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/04/08 10:45
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Analyzed: 06/16/08

Units: ug/kg dry

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
1,1,1,2-Tetrachloroethane	ND		1.9	
Chlorobenzene	ND		1.9	
Ethylbenzene	**69**		1.9	
Bromoform	ND		1.9	
Styrene	ND		1.9	
1,1,2,2-Tetrachloroethane	ND		1.9	
Xylenes, total	**450**	L	1.9	
1,2,3-Trichloropropane	ND		1.9	
Isopropylbenzene	**71**		1.9	
Bromobenzene	ND		1.9	

Semivolatiles by GC/MS

Method: 8270 Analyzed: 06/17/08

Units: ug/kg dry

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Pyridine	ND		59	
2-Picoline	ND		59	
Methyl methanesulfonate	ND		59	
Ethyl methanesulfonate	ND		59	
Phenol	ND		59	
Bis(2-chloroethyl)ether	ND		59	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**X164**	Lab Sample ID:	**S806602-07**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/04/08 10:45
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/17/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
2-Chlorophenol	ND		59	
1,3-Dichlorobenzene	ND		59	
1,4-Dichlorobenzene	ND		59	
1,2-Dichlorobenzene	ND		59	
2-Methylphenol	ND		59	
2,2'-Oxybis(1-chloropropane)	ND		59	
Acetophenone	ND		59	
4-Methylphenol	ND		59	
N-Nitrosodi-n-propylamine	ND		59	
Hexachloroethane	ND		59	
Nitrobenzene	ND		59	
N-Nitrosopiperidine	ND		59	
Isophorone	ND		59	
2-Nitrophenol	ND		59	
2,4-Dimethylphenol	**170**		59	
Bis(2-chloroethoxy)methane	ND		59	
2,4-Dichlorophenol	ND		59	
1,2,4-Trichlorobenzene	ND		59	
Naphthalene	**69**	J7	59	
4-Chloroaniline	ND		59	
2,6-Dichlorophenol	ND		59	
Hexachloropropene	ND		59	
Hexachlorobutadiene	ND		59	
N-Nitrosodi-n-butylamine	ND		59	

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Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**X164**	Lab Sample ID:	**S806602-07**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/04/08 10:45
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/17/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
4-Chloro-3-methylphenol	ND		59	
˜ ˋsafrole	ND		59	
ıethylnaphthalene	ND		59	
ı,2,4,5-Tetrachlorobenzene	ND		59	
Hexachlorocyclopentadiene	ND		200	
2,4,6-Trichlorophenol	ND		59	
2,4,5-Trichlorophenol	ND		59	
Safrole	ND		59	
2-Chloronaphthalene	ND		59	
1-Chloronaphthalene	ND		59	
2-Nitroaniline	ND		59	
1,4-Dinitrobenzene	ND		59	
Dimethylphthalate	ND		59	
1,3-Dinitrobenzene	ND		59	
2,6-Dinitrotoluene	ND		59	
Acenaphthylene	ND		59	
1,2-Dinitrobenzene	ND		59	
3-Nitroaniline	ND		59	
Acenaphthene	ND		59	
2,4-Dinitrophenol	ND		200	
4-Nitrophenol	ND		59	
Dibenzofuran	ND		59	
2,4-Dinitrotoluene	ND		59	
Pentachlorobenzene	ND		59	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**X164**	Lab Sample ID:	**S806602-07**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/04/08 10:45
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/17/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
1-Naphthylamine	ND		200	
˜ Naphthylamine	ND		59	
4,6-Tetrachlorophenol	ND		59	
Diethylphthalate	ND		59	
4-Chlorophenyl phenyl ether	ND		59	
Fluorene	ND		59	
4-Nitroaniline	ND		59	
4,6-Dinitro-2-methylphenol	ND		390	
Diphenylamine	ND		59	
Azobenzene *	ND		59	
Phenacetin	ND		59	
4-Bromophenyl phenyl ether	ND		59	
Hexachlorobenzene	ND		59	
Pentachlorophenol	ND		590	
Pronamide	ND		59	
Pentachloronitrobenzene	ND		59	
Phenanthrene	ND		59	
Anthracene	ND		59	
Carbazole	ND		59	
4-Nitrobiphenyl	ND		59	
Di-n-butylphthalate	**120**	J6, V	59	
5-Nitroacenaphthene	ND		59	
Isodrin	ND		59	
Fluoranthene	ND		59	

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LABORATORY RESULTS

Name:	**NORTH CHICAGO**		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**X164**	Lab Sample ID:	**S806602-07**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/04/08 10:45
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/17/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Pyrene	ND		59	
Dimethylaminoazobenzene	ND		59	
yl benzyl phthalate	ND		59	
3,3'-Dichlorobenzidine	ND		59	
Benzo(a)anthracene	ND		59	
Chrysene	ND		59	
Bis(2-ethylhexyl)phthalate	**250**		200	
Mestranol	ND		59	
Di-n-octylphthalate	ND		59	
Benzo(b)fluoranthene	ND		59	
7,12-Dimethylbenzo(a)anthracene	ND		59	
Benzo(k)fluoranthene	ND		59	
Benzo(a)pyrene	ND		59	
Indeno(1,2,3-cd)pyrene	ND		59	
Dibenzo(a,h)anthracene	ND		59	
Benzo(ghi)perylene	ND		59	

pH *

Method:	150.1	Analyzed:	06/10/08
Units:	PH		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level

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LABORATORY RESULTS

Name:	**NORTH CHICAGO**		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**X164**	Lab Sample ID:	**S806602-07**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/04/08 10:45
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

pH *

Method:	150.1	Analyzed:	06/10/08
Units:	PH		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
pH	**7.70**		0.10	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**G113**	Lab Sample ID:	**S806602-08**
Matrix:	Water	Collected By: JT	Date/Time Collected: 06/03/08 17:30
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Pesticides/PCBs by ECD

Method:	8081/8082	Analyzed:	06/12/08
Units:	ug/L		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
alpha-BHC	ND		0.050	
beta-BHC	ND		0.050	
delta-BHC	ND		0.050	
gamma-BHC	ND		0.050	
Heptachlor	ND		0.050	
Aldrin	ND		0.050	
Heptachlor epoxide	ND		0.050	
Endosulfan I	ND		0.050	
Dieldrin	ND		0.10	
p,p'-DDE	ND		0.10	
Endrin	ND		0.10	
Endosulfan II	ND		0.10	
p,p'-DDD	ND		0.10	
Endosulfan sulfate	ND		0.10	
p,p'-DDT	ND		0.10	
Methoxychlor	ND		1.0	
Endrin ketone	ND		0.10	
Endrin aldehyde	ND		0.10	
alpha-Chlordane	ND		0.050	
gamma-Chlordane	ND		0.050	
Toxaphene	ND		3.0	
Aroclor 1016	ND		0.50	
Aroclor 1221	ND		0.50	
Aroclor 1232	ND		0.50	

EPA Laboratory

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07/03/08 15:56

Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**G113**	Lab Sample ID:	**S806602-08**
Matrix:	Water	Collected By: JT	Date/Time Collected: 06/03/08 17:30
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Pesticides/PCBs by ECD

Method:	8081/8082	Analyzed:	06/12/08
Units:	ug/L		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Aroclor 1242	ND		0.50	
' -oclor 1248	ND		0.50	
clor 1254	ND		0.50	
Aroclor 1260	ND		0.50	

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Analyzed:	06/10/08
Units:	ug/L		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Chloromethane	ND		2.0	
Vinyl chloride	ND		2.0	
Bromomethane	ND	J5	2.0	
Chloroethane	ND		2.0	
Trichlorofluoromethane	ND		2.0	
Acetone	ND		10	
1,1-Dichloroethene	ND		2.0	
Methylene chloride	ND		5.0	
Carbon disulfide	ND		2.0	
trans-1,2-Dichloroethene	ND		2.0	
Methyl tert-butyl ether	ND		2.0	
1,1-Dichloroethane	ND		2.0	

'A Laboratory

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Illinois Environmental Protection Agency Laboratory

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**G113**	Lab Sample ID:	**S806602-08**
Matrix:	Water	Collected By: JT	Date/Time Collected: 06/03/08 17:30
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Analyzed:	06/10/08
Units:	ug/L		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
2-Butanone (MEK)	ND		10	
-1,2-Dichloroethene	ND		2.0	
mochloromethane	ND		2.0	
Chloroform	ND		2.0	
2,2-Dichloropropane	ND		2.0	
1,2-Dichloroethane	ND		2.0	
1,1,1-Trichloroethane	ND		2.0	
1,1-Dichloropropene	ND		2.0	
Carbon tetrachloride	ND		2.0	
Benzene	**4.6**		2.0	
Dibromomethane	ND		2.0	
1,2-Dichloropropane	ND		2.0	
Trichloroethene	ND		2.0	
Bromodichloromethane	ND		2.0	
cis-1,3-Dichloropropene	ND		2.0	
4-Methyl-2-pentanone (MIBK)	**26**		2.0	
trans-1,3-Dichloropropene	ND		2.0	
1,1,2-Trichloroethane	ND		2.0	
Toluene	**3.8**		2.0	
1,3-Dichloropropane	ND		2.0	
2-Hexanone (MBK)	ND		2.0	
Dibromochloromethane	ND		2.0	
1,2-Dibromoethane	ND		2.0	
Tetrachloroethene	ND		2.0	

A Laboratory

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**G113**	Lab Sample ID:	**S806602-08**
Matrix:	Water	Collected By: JT	Date/Time Collected: 06/03/08 17:30
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Analyzed: 06/10/08

Units: ug/L

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
1,1,1,2-Tetrachloroethane	ND		2.0	
⁻'lorobenzene	ND		2.0	
ylbenzene	ND		2.0	
Bromoform	ND		2.0	
Styrene	ND		2.0	
1,1,2,2-Tetrachloroethane	ND		2.0	
Xylenes, total	**17**		2.0	
1,2,3-Trichloropropane	ND		2.0	
Isopropylbenzene	ND		2.0	
Bromobenzene	ND		2.0	

Semivolatiles by GC/MS

Method: 8270 Analyzed: 06/12/08

Units: ug/L

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Pyridine	ND		1.5	
2-Picoline	ND		1.5	
Methyl methanesulfonate	ND		1.5	
Ethyl methanesulfonate	ND		1.5	
Phenol	ND		1.5	
Bis(2-chloroethyl)ether	ND		1.5	

'A Laboratory

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**G113**	Lab Sample ID:	**S806602-08**
Matrix:	Water	Collected By: JT	Date/Time Collected: 06/03/08 17:30
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/12/08
Units:	ug/L		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
2-Chlorophenol	ND		1.5	
' 3-Dichlorobenzene	ND		1.5	
Dichlorobenzene	ND		1.5	
1,2-Dichlorobenzene	ND		1.5	
2-Methylphenol	ND		1.5	
2,2'-Oxybis(1-chloropropane)	ND		1.5	
Acetophenone	ND		1.5	
4-Methylphenol	ND		1.5	
N-Nitrosodi-n-propylamine	ND		1.5	
Hexachloroethane	ND		1.5	
Nitrobenzene	ND		1.5	
N-Nitrosopiperidine	ND		1.5	
Isophorone	ND		1.5	
2-Nitrophenol	ND		1.5	
2,4-Dimethylphenol	ND		1.5	
Bis(2-chloroethoxy)methane	ND		1.5	
2,4-Dichlorophenol	ND		1.5	
1,2,4-Trichlorobenzene	ND		1.5	
Naphthalene	ND		1.5	
4-Chloroaniline	ND		1.5	
2,6-Dichlorophenol	ND		1.5	
Hexachloropropene	ND		1.5	
Hexachlorobutadiene	ND		1.5	
N-Nitrosodi-n-butylamine	ND		1.5	

`A Laboratory

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Illinois Environmental Protection Agency Laboratory

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**G113**	Lab Sample ID:	**S806602-08**
Matrix:	Water	Collected By: JT	Date/Time Collected: 06/03/08 17:30
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/12/08
Units:	ug/L		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
4-Chloro-3-methylphenol	ND		1.5	
˙ ›safrole	ND		1.5	
lethylnaphthalene	ND		1.5	
ı,2,4,5-Tetrachlorobenzene	ND		1.5	
Hexachlorocyclopentadiene	ND		1.5	
2,4,6-Trichlorophenol	ND		1.5	
2,4,5-Trichlorophenol	ND		1.5	
Safrole	ND		1.5	
2-Chloronaphthalene	ND		1.5	
1-Chloronaphthalene	ND		1.5	
2-Nitroaniline	ND		1.5	
1,4-Dinitrobenzene	ND		1.5	
Dimethylphthalate	ND		1.5	
1,3-Dinitrobenzene	ND		1.5	
2,6-Dinitrotoluene	ND		1.5	
Acenaphthylene	ND		1.5	
1,2-Dinitrobenzene	ND		1.5	
3-Nitroaniline	ND		1.5	
Acenaphthene	ND		1.5	
2,4-Dinitrophenol	ND		5.0	
4-Nitrophenol	ND		1.5	
Dibenzofuran	ND		1.5	
2,4-Dinitrotoluene	ND		1.5	
Pentachlorobenzene	ND		1.5	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**G113**	Lab Sample ID:	**S806602-08**
Matrix:	Water	Collected By: JT	Date/Time Collected: 06/03/08 17:30
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/12/08
Units:	ug/L		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
1-Naphthylamine	ND		1.5	
2-Naphthylamine	ND		1.5	
4,6-Tetrachlorophenol	ND		1.5	
Diethylphthalate	ND		1.5	
4-Chlorophenyl phenyl ether	ND		1.5	
Fluorene	ND		1.5	
4-Nitroaniline	ND		1.5	
4,6-Dinitro-2-methylphenol	ND		1.5	
Diphenylamine	ND		1.5	
Azobenzene *	ND		1.5	
Phenacetin	ND		1.5	
4-Bromophenyl phenyl ether	ND		1.5	
Hexachlorobenzene	ND		1.5	
Pentachlorophenol	ND		1.5	
Pronamide	ND		1.5	
Pentachloronitrobenzene	ND		1.5	
Phenanthrene	ND		1.5	
Anthracene	ND		1.5	
Carbazole	ND		1.5	
4-Nitrobiphenyl	ND		1.5	
Di-n-butylphthalate	ND		1.5	
5-Nitroacenaphthene	ND		1.5	
Isodrin	ND		1.5	
Fluoranthene	ND		1.5	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00

Client Sample ID:	**G113**			Lab Sample ID:	**S806602-08**
Matrix:	Water	Collected By:	JT	Date/Time Collected:	06/03/08 17:30
Sample Type:		Sample Depth:	0 Feet	Total Depth:	Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/12/08
Units:	ug/L		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Pyrene	ND		1.5	
-Dimethylaminoazobenzene	ND		1.5	
yl benzyl phthalate	ND		1.5	
,'-Dichlorobenzidine	ND		1.5	
Benzo(a)anthracene	ND		1.5	
Chrysene	ND		1.5	
Bis(2-ethylhexyl)phthalate	ND		1.5	
Mestranol	ND		1.5	
Di-n-octylphthalate	ND		1.5	
Benzo(b)fluoranthene	ND		1.5	
7,12-Dimethylbenzo(a)anthracene	ND		1.5	
Benzo(k)fluoranthene	ND		1.5	
Benzo(a)pyrene	ND		1.5	
Indeno(1,2,3-cd)pyrene	ND		1.5	
Dibenzo(a,h)anthracene	ND		1.5	
Benzo(ghi)perylene	ND		1.5	

pH *

Method:	150.1	Analyzed:	06/10/08
Units:	PH		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level

Illinois Environmental Protection Agency Laboratory

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LABORATORY RESULTS

Name:	**NORTH CHICAGO**		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**G113**	Lab Sample ID:	**S806602-08**
Matrix:	Water	Collected By: JT	Date/Time Collected: 06/03/08 17:30
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

pH *

Method:	150.1	Analyzed:	06/10/08
Units:	PH		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
pH	**7.50**		0.10	

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825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**G163**	Lab Sample ID:	**S806602-09**
Matrix:	Water	Collected By: JT	Date/Time Collected: 06/03/08 17:30
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Pesticides/PCBs by ECD

Method:	8081/8082	Analyzed:	06/12/08
Units:	ug/L		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
alpha-BHC	ND		0.050	
beta-BHC	ND		0.050	
a-BHC	ND		0.050	
gamma-BHC	ND		0.050	
Heptachlor	ND		0.050	
Aldrin	ND		0.050	
Heptachlor epoxide	ND		0.050	
Endosulfan I	ND		0.050	
Dieldrin	ND		0.10	
p,p'-DDE	ND		0.10	
Endrin	ND		0.10	
Endosulfan II	ND		0.10	
p,p'-DDD	ND		0.10	
Endosulfan sulfate	ND		0.10	
p,p'-DDT	ND		0.10	
Methoxychlor	ND		1.0	
Endrin ketone	ND		0.10	
Endrin aldehyde	ND		0.10	
alpha-Chlordane	ND		0.050	
gamma-Chlordane	ND		0.050	
Toxaphene	ND		3.0	
Aroclor 1016	ND		0.50	
Aroclor 1221	ND		0.50	
Aroclor 1232	ND		0.50	

PA Laboratory

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Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**G163**	Lab Sample ID:	**S806602-09**
Matrix:	Water	Collected By: JT	Date/Time Collected: 06/03/08 17:30
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Pesticides/PCBs by ECD

Method: 8081/8082 Analyzed: 06/12/08

Units: ug/L

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Aroclor 1242	ND		0.50	
Aroclor 1248	ND		0.50	
›clor 1254	ND		0.50	
Aroclor 1260	ND		0.50	

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Analyzed: 06/10/08

Units: ug/L

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Chloromethane	ND		2.0	
Vinyl chloride	ND		2.0	
Bromomethane	ND	J5	2.0	
Chloroethane	ND		2.0	
Trichlorofluoromethane	ND		2.0	
Acetone	ND		10	
1,1-Dichloroethene	ND		2.0	
Methylene chloride	ND		5.0	
Carbon disulfide	ND		2.0	
trans-1,2-Dichloroethene	ND		2.0	
Methyl tert-butyl ether	ND		2.0	
1,1-Dichloroethane	ND		2.0	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00

Client Sample ID:	**G163**			Lab Sample ID:	**S806602-09**
Matrix:	Water	Collected By:	JT	Date/Time Collected:	06/03/08 17:30
Sample Type:		Sample Depth:	0 Feet	Total Depth:	Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Analyzed:	06/10/08
Units:	ug/L		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
2-Butanone (MEK)	ND		10	
cis-1,2-Dichloroethene	ND		2.0	
›mochloromethane	ND		2.0	
‿nloroform	ND		2.0	
2,2-Dichloropropane	ND		2.0	
1,2-Dichloroethane	ND		2.0	
1,1,1-Trichloroethane	ND		2.0	
1,1-Dichloropropene	ND		2.0	
Carbon tetrachloride	ND		2.0	
Benzene	ND		2.0	
Dibromomethane	ND		2.0	
1,2-Dichloropropane	ND		2.0	
Trichloroethene	ND		2.0	
Bromodichloromethane	ND		2.0	
cis-1,3-Dichloropropene	ND		2.0	
4-Methyl-2-pentanone (MIBK)	**22**		2.0	
trans-1,3-Dichloropropene	ND		2.0	
1,1,2-Trichloroethane	ND		2.0	
Toluene	**3.2**		2.0	
1,3-Dichloropropane	ND		2.0	
2-Hexanone (MBK)	ND		2.0	
Dibromochloromethane	ND		2.0	
1,2-Dibromoethane	ND		2.0	
Tetrachloroethene	ND		2.0	

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825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00

Client Sample ID:	**G163**	Lab Sample ID:	**S806602-09**
Matrix:	Water	Collected By: JT	Date/Time Collected: 06/03/08 17:30
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Analyzed:	06/10/08
Units:	ug/L		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
1,1,1,2-Tetrachloroethane	ND		2.0	
Chlorobenzene	ND		2.0	
ylbenzene	ND		2.0	
Bromoform	ND		2.0	
Styrene	ND		2.0	
1,1,2,2-Tetrachloroethane	ND		2.0	
Xylenes, total	**11**		2.0	
1,2,3-Trichloropropane	ND		2.0	
Isopropylbenzene	ND		2.0	
Bromobenzene	ND		2.0	

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/12/08
Units:	ug/L		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Pyridine	ND		1.5	
2-Picoline	ND		1.5	
Methyl methanesulfonate	ND		1.5	
Ethyl methanesulfonate	ND		1.5	
Phenol	ND		1.5	
Bis(2-chloroethyl)ether	ND		1.5	

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Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**G163**	Lab Sample ID:	**S806602-09**
Matrix:	Water	Collected By: JT	Date/Time Collected: 06/03/08 17:30
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/12/08
Units:	ug/L		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
2-Chlorophenol	ND		1.5	
' 3-Dichlorobenzene	ND		1.5	
Dichlorobenzene	ND		1.5	
1,2-Dichlorobenzene	ND		1.5	
2-Methylphenol	ND		1.5	
2,2'-Oxybis(1-chloropropane)	ND		1.5	
Acetophenone	ND		1.5	
4-Methylphenol	ND		1.5	
N-Nitrosodi-n-propylamine	ND		1.5	
Hexachloroethane	ND		1.5	
Nitrobenzene	ND		1.5	
N-Nitrosopiperidine	ND		1.5	
Isophorone	ND		1.5	
2-Nitrophenol	ND		1.5	
2,4-Dimethylphenol	ND		1.5	
Bis(2-chloroethoxy)methane	ND		1.5	
2,4-Dichlorophenol	ND		1.5	
1,2,4-Trichlorobenzene	ND		1.5	
Naphthalene	ND		1.5	
4-Chloroaniline	ND		1.5	
2,6-Dichlorophenol	ND		1.5	
Hexachloropropene	ND		1.5	
Hexachlorobutadiene	ND		1.5	
N-Nitrosodi-n-butylamine	ND		1.5	

`A Laboratory

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Reported:
07/03/08 15:56

Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**G163**	Lab Sample ID:	**S806602-09**
Matrix:	Water	Collected By: JT	Date/Time Collected: 06/03/08 17:30
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/12/08
Units:	ug/L		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
4-Chloro-3-methylphenol	ND		1.5	
`safrole	ND		1.5	
/ethylnaphthalene	ND		1.5	
1,2,4,5-Tetrachlorobenzene	ND		1.5	
Hexachlorocyclopentadiene	ND		1.5	
2,4,6-Trichlorophenol	ND		1.5	
2,4,5-Trichlorophenol	ND		1.5	
Safrole	ND		1.5	
2-Chloronaphthalene	ND		1.5	
1-Chloronaphthalene	ND		1.5	
2-Nitroaniline	ND		1.5	
1,4-Dinitrobenzene	ND		1.5	
Dimethylphthalate	ND		1.5	
1,3-Dinitrobenzene	ND		1.5	
2,6-Dinitrotoluene	ND		1.5	
Acenaphthylene	ND		1.5	
1,2-Dinitrobenzene	ND		1.5	
3-Nitroaniline	ND		1.5	
Acenaphthene	ND		1.5	
2,4-Dinitrophenol	ND		5.0	
4-Nitrophenol	ND		1.5	
Dibenzofuran	ND		1.5	
2,4-Dinitrotoluene	ND		1.5	
Pentachlorobenzene	ND		1.5	

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Illinois Environmental Protection Agency Laboratory

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00

Client Sample ID:	**G163**	Lab Sample ID:	**S806602-09**
Matrix:	Water	Collected By: JT	Date/Time Collected: 06/03/08 17:30
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/12/08
Units:	ug/L		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
1-Naphthylamine	ND		1.5	
⁻ Naphthylamine	ND		1.5	
,4,6-Tetrachlorophenol	ND		1.5	
Diethylphthalate	ND		1.5	
4-Chlorophenyl phenyl ether	ND		1.5	
Fluorene	ND		1.5	
4-Nitroaniline	ND		1.5	
4,6-Dinitro-2-methylphenol	ND		1.5	
Diphenylamine	ND		1.5	
Azobenzene *	ND		1.5	
Phenacetin	ND		1.5	
4-Bromophenyl phenyl ether	ND		1.5	
Hexachlorobenzene	ND		1.5	
Pentachlorophenol	ND		1.5	
Pronamide	ND		1.5	
Pentachloronitrobenzene	ND		1.5	
Phenanthrene	ND		1.5	
Anthracene	ND		1.5	
Carbazole	ND		1.5	
4-Nitrobiphenyl	ND		1.5	
Di-n-butylphthalate	ND		1.5	
5-Nitroacenaphthene	ND		1.5	
Isodrin	ND		1.5	
Fluoranthene	ND		1.5	

'A Laboratory

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**G163**	Lab Sample ID:	**S806602-09**
Matrix:	Water	Collected By: JT	Date/Time Collected: 06/03/08 17:30
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/12/08
Units:	ug/L		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Pyrene	ND		1.5	
Dimethylaminoazobenzene	ND		1.5	
yl benzyl phthalate	ND		1.5	
3,3'-Dichlorobenzidine	ND		1.5	
Benzo(a)anthracene	ND		1.5	
Chrysene	ND		1.5	
Bis(2-ethylhexyl)phthalate	ND		1.5	
Mestranol	ND		1.5	
Di-n-octylphthalate	ND		1.5	
Benzo(b)fluoranthene	ND		1.5	
7,12-Dimethylbenzo(a)anthracene	ND		1.5	
Benzo(k)fluoranthene	ND		1.5	
Benzo(a)pyrene	ND		1.5	
Indeno(1,2,3-cd)pyrene	ND		1.5	
Dibenzo(a,h)anthracene	ND		1.5	
Benzo(ghi)perylene	ND		1.5	

pH *

Method:	150.1	Analyzed:	06/10/08
Units:	PH		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level

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LABORATORY RESULTS

Name:	**NORTH CHICAGO**		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**G163**	Lab Sample ID:	**S806602-09**
Matrix:	Water	Collected By: JT	Date/Time Collected: 06/03/08 17:30
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

pH *

Method:	150.1	Analyzed:	06/10/08
Units:	PH		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
pH	**7.60**		0.10	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**G118**	Lab Sample ID:	**S806602-10**
Matrix:	Water	Collected By: JT	Date/Time Collected: 06/04/08 15:55
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Pesticides/PCBs by ECD

Method:	8081/8082	Analyzed:	06/12/08
Units:	ug/L		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
alpha-BHC	ND		0.050	
beta-BHC	ND		0.050	
a-BHC	ND	J3	0.050	
gamma-BHC	ND		0.050	
Heptachlor	ND		0.050	
Aldrin	ND		0.050	
Heptachlor epoxide	ND		0.050	
Endosulfan I	ND		0.050	
Dieldrin	ND		0.10	
p,p'-DDE	ND		0.10	
Endrin	ND		0.10	
Endosulfan II	ND		0.10	
p,p'-DDD	ND		0.10	
Endosulfan sulfate	ND		0.10	
p,p'-DDT	ND		0.10	
Methoxychlor	ND		1.0	
Endrin ketone	ND		0.10	
Endrin aldehyde	ND		0.10	
alpha-Chlordane	ND		0.050	
gamma-Chlordane	ND		0.050	
Toxaphene	ND		3.0	
Aroclor 1016	ND		0.50	
Aroclor 1221	ND		0.50	
Aroclor 1232	ND		0.50	

EPA Laboratory

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Illinois Environmental Protection Agency Laboratory

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00

Client Sample ID:	**G118**	Lab Sample ID:	**S806602-10**
Matrix:	Water	Collected By: JT	Date/Time Collected: 06/04/08 15:55
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Pesticides/PCBs by ECD

Method:	8081/8082	Analyzed:	06/12/08
Units:	ug/L		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Aroclor 1242	ND		0.50	
Aroclor 1248	ND		0.50	
Aroclor 1254	ND		0.50	
Aroclor 1260	ND		0.50	

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Analyzed:	06/10/08
Units:	ug/L		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Chloromethane	ND		2.0	
Vinyl chloride	ND		2.0	
Bromomethane	ND	J3, J5	2.0	
Chloroethane	ND	J3	2.0	
Trichlorofluoromethane	ND		2.0	
Acetone	ND		10	
1,1-Dichloroethene	ND		2.0	
Methylene chloride	ND		5.0	
Carbon disulfide	ND		2.0	
trans-1,2-Dichloroethene	ND		2.0	
Methyl tert-butyl ether	ND		2.0	
1,1-Dichloroethane	ND		2.0	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**G118**	Lab Sample ID:	**S806602-10**
Matrix:	Water	Collected By: JT	Date/Time Collected: 06/04/08 15:55
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Analyzed:	06/10/08
Units:	ug/L		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
2-Butanone (MEK)	ND		10	
`-1,2-Dichloroethene	ND		2.0	
mochloromethane	ND		2.0	
Chloroform	ND		2.0	
2,2-Dichloropropane	ND		2.0	
1,2-Dichloroethane	ND		2.0	
1,1,1-Trichloroethane	ND		2.0	
1,1-Dichloropropene	ND		2.0	
Carbon tetrachloride	ND		2.0	
Benzene	ND		2.0	
Dibromomethane	ND		2.0	
1,2-Dichloropropane	ND		2.0	
Trichloroethene	ND		2.0	
Bromodichloromethane	ND		2.0	
cis-1,3-Dichloropropene	ND		2.0	
4-Methyl-2-pentanone (MIBK)	ND		2.0	
trans-1,3-Dichloropropene	ND		2.0	
1,1,2-Trichloroethane	ND		2.0	
Toluene	ND		2.0	
1,3-Dichloropropane	ND		2.0	
2-Hexanone (MBK)	ND		2.0	
Dibromochloromethane	ND		2.0	
1,2-Dibromoethane	ND		2.0	
Tetrachloroethene	ND		2.0	

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Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**G118**	Lab Sample ID:	**S806602-10**
Matrix:	Water	Collected By: JT	Date/Time Collected: 06/04/08 15:55
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Analyzed: 06/10/08

Units: ug/L

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
1,1,1,2-Tetrachloroethane	ND		2.0	
⁻'lorobenzene	ND		2.0	
ylbenzene	ND		2.0	
Bromoform	ND		2.0	
Styrene	ND		2.0	
1,1,2,2-Tetrachloroethane	ND		2.0	
Xylenes, total	ND		2.0	
1,2,3-Trichloropropane	ND		2.0	
Isopropylbenzene	ND		2.0	
Bromobenzene	ND		2.0	

Semivolatiles by GC/MS

Method: 8270 Analyzed: 06/12/08

Units: ug/L

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Pyridine	ND		1.5	
2-Picoline	ND		1.5	
Methyl methanesulfonate	ND		1.5	
Ethyl methanesulfonate	ND		1.5	
Phenol	ND		1.5	
Bis(2-chloroethyl)ether	ND		1.5	

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Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**G118**	Lab Sample ID:	**S806602-10**
Matrix:	Water	Collected By: JT	Date/Time Collected: 06/04/08 15:55
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/12/08
Units:	ug/L		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
2-Chlorophenol	ND		1.5	
1,3-Dichlorobenzene	ND		1.5	
1,4-Dichlorobenzene	ND		1.5	
1,2-Dichlorobenzene	ND		1.5	
2-Methylphenol	ND		1.5	
2,2'-Oxybis(1-chloropropane)	ND		1.5	
Acetophenone	ND		1.5	
4-Methylphenol	ND		1.5	
N-Nitrosodi-n-propylamine	ND		1.5	
Hexachloroethane	ND		1.5	
Nitrobenzene	ND		1.5	
N-Nitrosopiperidine	ND		1.5	
Isophorone	ND		1.5	
2-Nitrophenol	ND		1.5	
2,4-Dimethylphenol	ND		1.5	
Bis(2-chloroethoxy)methane	ND		1.5	
2,4-Dichlorophenol	ND		1.5	
1,2,4-Trichlorobenzene	ND		1.5	
Naphthalene	ND		1.5	
4-Chloroaniline	ND		1.5	
2,6-Dichlorophenol	ND		1.5	
Hexachloropropene	ND		1.5	
Hexachlorobutadiene	ND		1.5	
N-Nitrosodi-n-butylamine	ND		1.5	

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Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00

Client Sample ID:	**G118**			Lab Sample ID:	**S806602-10**
Matrix:	Water	Collected By:	JT	Date/Time Collected:	06/04/08 15:55
Sample Type:		Sample Depth:	0 Feet	Total Depth:	Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/12/08
Units:	ug/L		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
4-Chloro-3-methylphenol	ND		1.5	
[illegible]safrole	ND		1.5	
[illegible]lethylnaphthalene	ND		1.5	
1,2,4,5-Tetrachlorobenzene	ND		1.5	
Hexachlorocyclopentadiene	ND		1.5	
2,4,6-Trichlorophenol	ND		1.5	
2,4,5-Trichlorophenol	ND		1.5	
Safrole	ND		1.5	
2-Chloronaphthalene	ND		1.5	
1-Chloronaphthalene	ND		1.5	
2-Nitroaniline	ND		1.5	
1,4-Dinitrobenzene	ND		1.5	
Dimethylphthalate	ND		1.5	
1,3-Dinitrobenzene	ND		1.5	
2,6-Dinitrotoluene	ND		1.5	
Acenaphthylene	ND		1.5	
1,2-Dinitrobenzene	ND		1.5	
3-Nitroaniline	ND		1.5	
Acenaphthene	ND		1.5	
2,4-Dinitrophenol	ND		5.0	
4-Nitrophenol	ND		1.5	
Dibenzofuran	ND		1.5	
2,4-Dinitrotoluene	ND		1.5	
Pentachlorobenzene	ND		1.5	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**G118**	Lab Sample ID:	**S806602-10**
Matrix:	Water	Collected By: JT	Date/Time Collected: 06/04/08 15:55
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/12/08
Units:	ug/L		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
1-Naphthylamine	ND		1.5	
^ Naphthylamine	ND		1.5	
,4,6-Tetrachlorophenol	ND		1.5	
Diethylphthalate	ND		1.5	
4-Chlorophenyl phenyl ether	ND		1.5	
Fluorene	ND		1.5	
4-Nitroaniline	ND		1.5	
4,6-Dinitro-2-methylphenol	ND		1.5	
Diphenylamine	ND		1.5	
Azobenzene *	ND		1.5	
Phenacetin	ND		1.5	
4-Bromophenyl phenyl ether	ND		1.5	
Hexachlorobenzene	ND		1.5	
Pentachlorophenol	ND		1.5	
Pronamide	ND		1.5	
Pentachloronitrobenzene	ND		1.5	
Phenanthrene	ND		1.5	
Anthracene	ND		1.5	
Carbazole	ND		1.5	
4-Nitrobiphenyl	ND		1.5	
Di-n-butylphthalate	ND		1.5	
5-Nitroacenaphthene	ND		1.5	
Isodrin	ND		1.5	
Fluoranthene	ND		1.5	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**G118**	Lab Sample ID:	**S806602-10**
Matrix:	Water	Collected By: JT	Date/Time Collected: 06/04/08 15:55
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method: 8270 Analyzed: 06/12/08

Units: ug/L

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Pyrene	ND		1.5	
Dimethylaminoazobenzene	ND		1.5	
yl benzyl phthalate	ND		1.5	
3,3'-Dichlorobenzidine	ND		1.5	
Benzo(a)anthracene	ND		1.5	
Chrysene	ND		1.5	
Bis(2-ethylhexyl)phthalate	ND		1.5	
Mestranol	ND		1.5	
Di-n-octylphthalate	ND		1.5	
Benzo(b)fluoranthene	ND		1.5	
7,12-Dimethylbenzo(a)anthracene	ND		1.5	
Benzo(k)fluoranthene	ND		1.5	
Benzo(a)pyrene	ND		1.5	
Indeno(1,2,3-cd)pyrene	ND		1.5	
Dibenzo(a,h)anthracene	ND		1.5	
Benzo(ghi)perylene	ND		1.5	

pH *

Method: 150.1 Analyzed: 06/10/08

Units: PH

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level

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LABORATORY RESULTS

Name:	**NORTH CHICAGO**		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**G118**	Lab Sample ID:	**S806602-10**
Matrix:	Water	Collected By: JT	Date/Time Collected: 06/04/08 15:55
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

pH *

Method:	150.1	Analyzed:	06/10/08
Units:	PH		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
pH	**7.80**		0.10	

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Reported:
07/03/08 15:56

Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**VOC TRIP BLANK**	Lab Sample ID:	**S806602-11**
Matrix:	Water	Collected By: NA	Date/Time Collected: 06/04/08 0:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Analyzed:	06/10/08
Units:	ug/L		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Chloromethane	ND		2.0	
''nyl chloride	ND		2.0	
momethane	ND	J5	2.0	
Chloroethane	ND		2.0	
Trichlorofluoromethane	ND		2.0	
Acetone	ND		10	
1,1-Dichloroethene	ND		2.0	
Methylene chloride	ND		5.0	
Carbon disulfide	ND		2.0	
trans-1,2-Dichloroethene	ND		2.0	
Methyl tert-butyl ether	ND		2.0	
1,1-Dichloroethane	ND		2.0	
2-Butanone (MEK)	ND		10	
cis-1,2-Dichloroethene	ND		2.0	
Bromochloromethane	ND		2.0	
Chloroform	ND		2.0	
2,2-Dichloropropane	ND		2.0	
1,2-Dichloroethane	ND		2.0	
1,1,1-Trichloroethane	ND		2.0	
1,1-Dichloropropene	ND		2.0	
Carbon tetrachloride	ND		2.0	
Benzene	ND		2.0	
Dibromomethane	ND		2.0	
1,2-Dichloropropane	ND		2.0	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**VOC TRIP BLANK**	Lab Sample ID:	**S806602-11**
Matrix:	Water	Collected By: NA	Date/Time Collected: 06/04/08 0:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Analyzed:	06/10/08
Units:	ug/L		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Trichloroethene	ND		2.0	
Bromodichloromethane	ND		2.0	
1,3-Dichloropropene	ND		2.0	
4-Methyl-2-pentanone (MIBK)	ND		2.0	
trans-1,3-Dichloropropene	ND		2.0	
1,1,2-Trichloroethane	ND		2.0	
Toluene	ND		2.0	
1,3-Dichloropropane	ND		2.0	
2-Hexanone (MBK)	ND		2.0	
Dibromochloromethane	ND		2.0	
1,2-Dibromoethane	ND		2.0	
Tetrachloroethene	ND		2.0	
1,1,1,2-Tetrachloroethane	ND		2.0	
Chlorobenzene	ND		2.0	
Ethylbenzene	ND		2.0	
Bromoform	ND		2.0	
Styrene	ND		2.0	
1,1,2,2-Tetrachloroethane	ND		2.0	
Xylenes, total	ND		2.0	
1,2,3-Trichloropropane	ND		2.0	
Isopropylbenzene	ND		2.0	
Bromobenzene	ND		2.0	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**X112**	Lab Sample ID:	**S806602-12**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/04/08 17:15
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Analyzed:	06/16/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Chloromethane	ND		1.9	
Vinyl chloride	ND		1.9	
momethane	ND		1.9	
Chloroethane	ND		1.9	
Trichlorofluoromethane	ND		1.9	
Acetone	**15**		9.6	
1,1-Dichloroethene	ND		1.9	
Methylene chloride	ND		4.8	
Carbon disulfide	ND		1.9	
trans-1,2-Dichloroethene	ND		1.9	
Methyl tert-butyl ether	ND		1.9	
1,1-Dichloroethane	ND		1.9	
2-Butanone (MEK)	ND		9.6	
cis-1,2-Dichloroethene	ND		1.9	
Bromochloromethane	ND		1.9	
Chloroform	ND		1.9	
2,2-Dichloropropane	ND		1.9	
1,2-Dichloroethane	ND		1.9	
1,1,1-Trichloroethane	ND		1.9	
1,1-Dichloropropene	ND		1.9	
Carbon tetrachloride	ND		1.9	
Benzene	**62**		1.9	
Dibromomethane	ND		1.9	
1,2-Dichloropropane	ND		1.9	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**X112**	Lab Sample ID:	**S806602-12**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/04/08 17:15
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Analyzed:	06/16/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Trichloroethene	ND		1.9	
Bromodichloromethane	ND		1.9	
1,3-Dichloropropene	ND		1.9	
4-Methyl-2-pentanone (MIBK)	ND		1.9	
trans-1,3-Dichloropropene	ND		1.9	
1,1,2-Trichloroethane	ND		1.9	
Toluene	ND		1.9	
1,3-Dichloropropane	ND		1.9	
2-Hexanone (MBK)	ND		1.9	
Dibromochloromethane	ND	J5	1.9	
1,2-Dibromoethane	ND	J5	1.9	
Tetrachloroethene	ND		1.9	
1,1,1,2-Tetrachloroethane	ND		1.9	
Chlorobenzene	ND		1.9	
Ethylbenzene	**2.9**		1.9	
Bromoform	ND		1.9	
Styrene	ND		1.9	
1,1,2,2-Tetrachloroethane	ND		1.9	
Xylenes, total	**21**		1.9	
1,2,3-Trichloropropane	ND		1.9	
Isopropylbenzene	**25**		1.9	
Bromobenzene	ND		1.9	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**X112**	Lab Sample ID:	**S806602-12**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/04/08 17:15
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/17/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Pyridine	ND		57	
^ Picoline	ND		57	
.hyl methanesulfonate	ND		57	
Ethyl methanesulfonate	ND		57	
Phenol	ND		57	
Bis(2-chloroethyl)ether	ND		57	
2-Chlorophenol	ND		57	
1,3-Dichlorobenzene	ND		57	
1,4-Dichlorobenzene	ND		57	
1,2-Dichlorobenzene	ND		57	
2-Methylphenol	ND		57	
2,2'-Oxybis(1-chloropropane)	ND		57	
Acetophenone	ND		57	
4-Methylphenol	ND		57	
N-Nitrosodi-n-propylamine	ND		57	
Hexachloroethane	ND		57	
Nitrobenzene	ND		57	
N-Nitrosopiperidine	ND		57	
Isophorone	ND		57	
2-Nitrophenol	ND		57	
2,4-Dimethylphenol	ND		57	
Bis(2-chloroethoxy)methane	ND		57	
2,4-Dichlorophenol	ND		57	
1,2,4-Trichlorobenzene	ND		57	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**X112**	Lab Sample ID:	**S806602-12**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/04/08 17:15
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/17/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Naphthalene	ND	J7	57	
' Chloroaniline	ND		57	
Dichlorophenol	ND		57	
Hexachloropropene	ND		57	
Hexachlorobutadiene	ND		57	
N-Nitrosodi-n-butylamine	ND		57	
4-Chloro-3-methylphenol	ND		57	
Isosafrole	ND		57	
2-Methylnaphthalene	ND		57	
1,2,4,5-Tetrachlorobenzene	ND		57	
Hexachlorocyclopentadiene	ND		190	
2,4,6-Trichlorophenol	ND		57	
2,4,5-Trichlorophenol	ND		57	
Safrole	ND		57	
2-Chloronaphthalene	ND		57	
1-Chloronaphthalene	ND		57	
2-Nitroaniline	ND		57	
1,4-Dinitrobenzene	ND		57	
Dimethylphthalate	ND		57	
1,3-Dinitrobenzene	ND		57	
2,6-Dinitrotoluene	ND		57	
Acenaphthylene	ND		57	
1,2-Dinitrobenzene	ND		57	
3-Nitroaniline	ND		57	

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LABORATORY RESULTS

Name:	**NORTH CHICAGO**		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**X112**	Lab Sample ID:	**S806602-12**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/04/08 17:15
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/17/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Acenaphthene	ND		57	
^ 4-Dinitrophenol	ND		190	
itrophenol	ND		57	
Dibenzofuran	ND		57	
2,4-Dinitrotoluene	ND		57	
Pentachlorobenzene	ND		57	
1-Naphthylamine	ND		190	
2-Naphthylamine	ND		57	
2,3,4,6-Tetrachlorophenol	ND		57	
Diethylphthalate	ND		57	
4-Chlorophenyl phenyl ether	ND		57	
Fluorene	ND		57	
4-Nitroaniline	ND		57	
4,6-Dinitro-2-methylphenol	ND		380	
Diphenylamine	ND		57	
Azobenzene *	ND		57	
Phenacetin	ND		57	
4-Bromophenyl phenyl ether	ND		57	
Hexachlorobenzene	ND		57	
Pentachlorophenol	ND		570	
Pronamide	ND		57	
Pentachloronitrobenzene	ND		57	
Phenanthrene	ND		57	
Anthracene	ND		57	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**X112**	Lab Sample ID:	**S806602-12**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/04/08 17:15
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/17/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Carbazole	ND		57	
' Nitrobiphenyl	ND		57	
ı-butylphthalate	**59**	J6, V	57	
ɔ-Nitroacenaphthene	ND		57	
Isodrin	ND		57	
Fluoranthene	ND		57	
Pyrene	ND		57	
p-Dimethylaminoazobenzene	ND		57	
Butyl benzyl phthalate	ND		57	
3,3'-Dichlorobenzidine	ND		57	
Benzo(a)anthracene	ND		57	
Chrysene	ND		57	
Bis(2-ethylhexyl)phthalate	ND		190	
Mestranol	ND		57	
Di-n-octylphthalate	ND		57	
Benzo(b)fluoranthene	ND		57	
7,12-Dimethylbenzo(a)anthracene	ND		57	
Benzo(k)fluoranthene	ND		57	
Benzo(a)pyrene	ND		57	
Indeno(1,2,3-cd)pyrene	ND		57	
Dibenzo(a,h)anthracene	ND		57	
Benzo(ghi)perylene	ND		57	

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LABORATORY RESULTS

Name:	**NORTH CHICAGO**		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**X112**	Lab Sample ID:	**S806602-12**
Matrix:	Soil	Collected By: JT	Date/Time Collected: 06/04/08 17:15
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

pH *

Method:	150.1	Analyzed:	06/10/08
Units:	PH		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
pH	**7.30**		0.10	

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Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**X114A**	Lab Sample ID:	**S806602-13**
Matrix:	Soil-- methanol	Collected By: JT	Date/Time Collected: 06/04/08 10:45
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Analyzed:	06/18/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
2-Butanone (MEK)	**4700**		910	
Toluene	**1500**		180	
enes, total	**4500**		180	

Illinois Environmental Protection Agency Laboratory

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**X115**	Lab Sample ID:	**S806602-14**
Matrix:	Soil-- methanol	Collected By: JT	Date/Time Collected: 06/04/08 12:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Analyzed:	06/18/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Ethylbenzene	**10000**		1800	
[illegible]propylbenzene	**14000**		1800	
[illegible]enes, total	**16000**		1800	

[illegible]A Laboratory

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**X116A**	Lab Sample ID:	**S806602-15**
Matrix:	Soil-- methanol	Collected By: JT	Date/Time Collected: 06/04/08 16:15
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Analyzed:	06/18/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Acetone	**89000**		85000	
- Butanone (MEK)	**430000**		85000	
zene	**53000**		17000	
4-Methyl-2-pentanone (MIBK)	**170000**		17000	
Toluene	**1400000**		17000	
Ethylbenzene	**190000**		17000	
Isopropylbenzene	**56000**		17000	
Xylenes, total	**1100000**		17000	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**X116B**	Lab Sample ID:	**S806602-16**
Matrix:	Soil-- methanol	Collected By: JT	Date/Time Collected: 06/04/08 16:15
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Analyzed:	06/18/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Acetone	**270000**		9300	
^ Butanone (MEK)	**1100000**		9300	
ızene	**5200**		1900	
4-Methyl-2-pentanone (MIBK)	**140000**		1900	
Toluene	**16000**		1900	
2-Hexanone (MBK)	**8700**		1900	
Xylenes, total	**21000**		1900	

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LABORATORY RESULTS

Name:	**NORTH CHICAGO**		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**X164**	Lab Sample ID:	**S806602-17**
Matrix:	Soil-- methanol	Collected By: JT	Date/Time Collected: 06/04/08 10:45
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Analyzed:	06/18/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
2-Butanone (MEK)	**4600**		910	
luene	**1900**		180	
nes, total	**7600**		180	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/05/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00

Notes and Definitions

V	Indicates the analyte was detected in both the sample and the associated method blank and was outside method blank acceptance criteria.
L	Actual value not known, but known to be greater than value shown. To be used when the concentration of the analyte is above the acceptable level for quantitation. Value shown is the highest acceptable level for quantitation.
J7	Blank spike failed low - possible low bias or false non-detect.
J6	Blank spike failed high - possible high bias or false positive result.
J5	Blank spike failed high, result was non-detect - impact on data may be minimal.
J3	The reported value failed to meet the established quality control criteria for either precision or accuracy possibly due to matrix effects.
"	Surrogate compound recovery limits have not been met.
)	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
*	Non-NELAP accredited

S806602-08, S806602-09 & S806602-10: Insufficient sample volume received to perform a matrix spike and duplicate for Method 8082. Therefore, NELAC and method requirements were not met.

Method 8270; samples S806602-01, -02, -03, -04, -05, -06, -07, -08, -09, -10, and -12: Tentatively Identified Compounds (TICs) were detected in the semivolatile analysis. Please contact the laboratory if additional information about the TICs is needed.

Method 8260 samples S806602-01,-02, -03, -04, -05, -07, and -12: Tentatively Identified Compounds (TICs) were detected in the volatile analysis. Please contact the laboratory if additional information about the TICs is needed.

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ort Authorized by:

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Reported:
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Illinois Environmental Protection Agency Chain of Custody

Preservative Codes	Container Description: Soil	Container Description: Aqueous
1. None		
2. VOA - HCl	VOC - 2 oz. glass (2)	VOC - 40 mL glass (3)
3. Metals - HNO3	SVOC - 8 oz. glass (1)	SVOC, Pest/PCB - 40 oz amber glass (1)*
4. Cyanide - NaOH	Pest/PCB - 8 oz. glass (1)	
5. Other:	Inorganics - 16 oz. glass (1)	Inorganics - 1 qt. plastic (1)
6. Other		* duplicate 1 out of 10

Fund:	LPC#:	Locality:	Cooler Initially Sealed By:	Date Initially Sealed
PR50	0971255020		[signature]	5-30-08
Section:	**Site Name:**	**Project Manager:**	**Phone Number:**	**Initial Cooler Seal #**
	North Chicago	Jim Salch	217-785-8726	027

(a.k.a Chemical Packing)

Lab Sample No.	Parameter Group: SVOC	Pest.	PCB	VOC	pH			Field Sample Number	Matrix	No. of Bottles	Date Collected	Time Collected (24 hr clock)	Sampler's Initials	Special Notations	Legal Hold Y or N
S806706-01	X	X	X	X	X			G105	water	4	6-5-08	1055	TW		
S806706-02	X	X	X	X	X			X119	soil	2	6-5-08	1430	TW		
S806706-03	X	X	X	X	X			X120	soil	2	6-5-08	1360	TW		
S806706-04	X	X	X	X	X			X124	soil	2	6-5-08	~~[illegible]~~ 1700	TW		

Opener: I certify that I received the sample shipping container with the shipping container sealed and intact.

Cooler Opened by:	Seal No:	Date:	Time:	Intact
Tony Wasilewski	027	6-3-08	1620	Y-N
				Y-N

Sealer : I certify that the samples listed above were collected in my presence and sealed by me.

Cooler Sealed By:	Seal No.:	Date:	Time:
Tony Wasilewski	072	6-5-08	1715

I certify that I received the cooler containing the above samples with the seal(s) intact.

Received for Lab by:	Seal No:	Date:	Time:	Intact:
SCOTT CLARK [signature]	72	6/6/08	930	Y-N

Sample Courier: UPS

Turnaround Time Requested:

Samplers: Tony Wasilewski

Lab Comments:

Supervisor Releasing Results: Gary Germann by [signature] Date: 7/7/08

Illinois Environmental Protection Agency Chain of Custody

Preservative Codes	Container Description: Soil	Container Description: Aqueous
1. None		
2. VOA - HCl	VOC - 2 oz. glass (2)	VOC - 40 mL glass (3)
3. Metals - HNO3	SVOC - 8 oz. glass (1)	SVOC, Pest/PCB - 40 oz amber glass (1)*
4. Cyanide - NaOH	Pest/PCB - 8 oz. glass (1)	
5. Other:	Inorganics - 16 oz. glass (1)	Inorganics - 1 qt. plastic (1)
6. Other		* duplicate 1 out of 10

Fund:	LPC#:	Locality:	Cooler Initially Sealed By:	Date Initially Sealed
PR50	0971255020		[illegible]	5-30-08
Section:	**Site Name:**	**Project Manager:**	**Phone Number:**	**Initial Cooler Seal #**
	North Chicago	Jim Salch	217-785-8726	027

(a.k.a Chemical Packing)

Lab Sample No.	Parameter Group: SVOC	Pest.	PCB	VOC	pH			Collection Information: Field Sample Number	Matrix	No. of Bottles	Date Collected	Time Collected (24 hr clock)	Sampler's Initials	Special Notations	Legal Hold Y or N
	X	X	X	X	X			G105	water	4	6-5-08	1055	TW		
	X	X	X	X	X			X119	soil	2	6-5-08	1430	TW		
	X	X	X	X	X			X120	soil	2	6-5-08	1360	TW		
	X	X	X	X	X			X124	soil	2	6-5-08	~~[illegible]~~ 1700	TW		

Opener: I certify that I received the sample shipping container with the shipping container sealed and intact.

Cooler Opened by:	Seal No:	Date:	Time:	Intact
Tony Wasilewski	027	6-3-08	1620	Y-N
				Y-N

Sealer : I certify that the samples listed above were collected in my presence and sealed by me.

Cooler Sealed By:	Seal No.:	Date:	Time:
Tony Wasilewski	072	6-5-08	1715

I certify that I received the cooler containing the above samples with the seal(s) intact.

Received for Lab by:	Seal No:	Date:	Time:	Intact:
SCOTT CLARK [signature]	72	6/6/08	930	Y-N

Sample Courier: UPS

Turnaround Time Requested:

Samplers: Tony Wasilewski

Lab Comments:

Supervisor Releasing Results: Gary Germann by CMC Date: 7/7/08

Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/06/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	5.00
Client Sample ID:	**G105**	Lab Sample ID:	**S806706-01**
Matrix:	Water	Collected By: TW	Date/Time Collected: 06/05/08 10:55
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Pesticides/PCBs by ECD

Method:	8081/8082	Analyzed:	06/12/08
Units:	ug/L		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
alpha-BHC	ND		0.050	
ta-BHC	ND		0.050	
a-BHC	ND		0.050	
gamma-BHC	ND		0.050	
Heptachlor	ND		0.050	
Aldrin	ND		0.050	
Heptachlor epoxide	ND		0.050	
Endosulfan I	ND		0.050	
Dieldrin	ND		0.10	
p,p'-DDE	ND		0.10	
Endrin	ND		0.10	
Endosulfan II	ND		0.10	
p,p'-DDD	ND		0.10	
Endosulfan sulfate	ND		0.10	
p,p'-DDT	ND		0.10	
Methoxychlor	ND		1.0	
Endrin ketone	ND		0.10	
Endrin aldehyde	ND		0.10	
alpha-Chlordane	ND		0.050	
gamma-Chlordane	ND		0.050	
Toxaphene	ND		3.0	
Aroclor 1016	ND		0.50	
Aroclor 1221	ND		0.50	
Aroclor 1232	ND		0.50	

PA Laboratory

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07/03/08 15:48

Illinois Environmental Protection Agency Laboratory

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/06/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	5.00
Client Sample ID:	**G105**	Lab Sample ID:	**S806706-01**
Matrix:	Water	Collected By: TW	Date/Time Collected: 06/05/08 10:55
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Pesticides/PCBs by ECD

Method: 8081/8082 Analyzed: 06/12/08

Units: ug/L

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Aroclor 1242	ND		0.50	
·oclor 1248	ND		0.50	
clor 1254	ND		0.50	
Aroclor 1260	ND		0.50	

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Analyzed: 06/10/08

Units: ug/L

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Chloromethane	ND		2.0	
Vinyl chloride	ND		2.0	
Bromomethane	ND	J5	2.0	
Chloroethane	ND		2.0	
Trichlorofluoromethane	ND		2.0	
Acetone	ND		10	
1,1-Dichloroethene	ND		2.0	
Methylene chloride	ND		5.0	
Carbon disulfide	ND		2.0	
trans-1,2-Dichloroethene	ND		2.0	
Methyl tert-butyl ether	ND		2.0	
1,1-Dichloroethane	ND		2.0	

Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	**NORTH CHICAGO**		
Project/Facility Number:	0971255020	Date Received :	06/06/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	5.00
Client Sample ID:	**G105**	Lab Sample ID:	**S806706-01**
Matrix:	Water	Collected By: TW	Date/Time Collected: 06/05/08 10:55
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Analyzed:	06/10/08
Units:	ug/L		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
2-Butanone (MEK)	ND		10	
-1,2-Dichloroethene	ND		2.0	
mochloromethane	ND		2.0	
Chloroform	ND		2.0	
2,2-Dichloropropane	ND		2.0	
1,2-Dichloroethane	ND		2.0	
1,1,1-Trichloroethane	ND		2.0	
1,1-Dichloropropene	ND		2.0	
Carbon tetrachloride	ND		2.0	
Benzene	**15**		2.0	
Dibromomethane	ND		2.0	
1,2-Dichloropropane	ND		2.0	
Trichloroethene	ND		2.0	
Bromodichloromethane	ND		2.0	
cis-1,3-Dichloropropene	ND		2.0	
4-Methyl-2-pentanone (MIBK)	ND		2.0	
trans-1,3-Dichloropropene	ND		2.0	
1,1,2-Trichloroethane	ND		2.0	
Toluene	**340**	Q	2.0	
1,3-Dichloropropane	ND	J1	2.0	
2-Hexanone (MBK)	ND	J1	2.0	
Dibromochloromethane	ND	J1	2.0	
1,2-Dibromoethane	ND	J1	2.0	
Tetrachloroethene	ND	J1	2.0	

PA Laboratory

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Illinois Environmental Protection Agency Laboratory

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/06/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	5.00
Client Sample ID:	**G105**	Lab Sample ID:	**S806706-01**
Matrix:	Water	Collected By: TW	Date/Time Collected: 06/05/08 10:55
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Analyzed: 06/10/08

Units: ug/L

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
1,1,1,2-Tetrachloroethane	ND	J1	2.0	
Chlorobenzene	ND	J1	2.0	
Ethylbenzene	**250**	Q	2.0	
Bromoform	ND	J1	2.0	
Styrene	ND	J1	2.0	
1,1,2,2-Tetrachloroethane	ND	J1	2.0	
Xylenes, total	**870**	Q	2.0	
1,2,3-Trichloropropane	ND	J1	2.0	
Isopropylbenzene	**110**	J1	2.0	
Bromobenzene	ND	J1	2.0	

Semivolatiles by GC/MS

Method: 8270 Analyzed: 06/12/08

Units: ug/L

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Pyridine	ND		1.5	
2-Picoline	ND		1.5	
Methyl methanesulfonate	ND		1.5	
Ethyl methanesulfonate	ND		1.5	
Phenol	ND		1.5	
Bis(2-chloroethyl)ether	ND		1.5	

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LABORATORY RESULTS

Name:	**NORTH CHICAGO**		
Project/Facility Number:	0971255020	Date Received :	06/06/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	5.00
Client Sample ID:	**G105**	Lab Sample ID:	**S806706-01**
Matrix:	Water	Collected By: TW	Date/Time Collected: 06/05/08 10:55
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/12/08
Units:	ug/L		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
2-Chlorophenol	ND		1.5	
1,3-Dichlorobenzene	ND		1.5	
1,4-Dichlorobenzene	ND		1.5	
1,2-Dichlorobenzene	ND		1.5	
2-Methylphenol	ND		1.5	
2,2'-Oxybis(1-chloropropane)	ND		1.5	
Acetophenone	ND		1.5	
4-Methylphenol	ND		1.5	
N-Nitrosodi-n-propylamine	ND		1.5	
Hexachloroethane	ND		1.5	
Nitrobenzene	ND		1.5	
N-Nitrosopiperidine	ND		1.5	
Isophorone	ND		1.5	
2-Nitrophenol	ND		1.5	
2,4-Dimethylphenol	ND		1.5	
Bis(2-chloroethoxy)methane	ND		1.5	
2,4-Dichlorophenol	ND		1.5	
1,2,4-Trichlorobenzene	ND		1.5	
Naphthalene	**400**		1.5	
4-Chloroaniline	ND		1.5	
2,6-Dichlorophenol	ND		1.5	
Hexachloropropene	ND		1.5	
Hexachlorobutadiene	ND		1.5	
N-Nitrosodi-n-butylamine	ND		1.5	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/06/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	5.00
Client Sample ID:	**G105**	Lab Sample ID:	**S806706-01**
Matrix:	Water	Collected By: TW	Date/Time Collected: 06/05/08 10:55
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/12/08
Units:	ug/L		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
4-Chloro-3-methylphenol	ND		1.5	
˙˙ˀsafrole	ND		1.5	
Iethylnaphthalene	**4.9**		1.5	
ı,2,4,5-Tetrachlorobenzene	ND		1.5	
Hexachlorocyclopentadiene	ND		1.5	
2,4,6-Trichlorophenol	ND		1.5	
2,4,5-Trichlorophenol	ND		1.5	
Safrole	ND		1.5	
2-Chloronaphthalene	ND		1.5	
1-Chloronaphthalene	ND		1.5	
2-Nitroaniline	ND		1.5	
1,4-Dinitrobenzene	ND		1.5	
Dimethylphthalate	ND		1.5	
1,3-Dinitrobenzene	ND		1.5	
2,6-Dinitrotoluene	ND		1.5	
Acenaphthylene	ND		1.5	
1,2-Dinitrobenzene	ND		1.5	
3-Nitroaniline	ND		1.5	
Acenaphthene	ND		1.5	
2,4-Dinitrophenol	ND		5.0	
4-Nitrophenol	ND		1.5	
Dibenzofuran	ND		1.5	
2,4-Dinitrotoluene	ND		1.5	
Pentachlorobenzene	ND		1.5	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/06/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	5.00
Client Sample ID:	**G105**	Lab Sample ID:	**S806706-01**
Matrix:	Water	Collected By: TW	Date/Time Collected: 06/05/08 10:55
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/12/08
Units:	ug/L		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
1-Naphthylamine	ND		1.5	
Naphthylamine	ND		1.5	
,4,6-Tetrachlorophenol	ND		1.5	
Diethylphthalate	ND		1.5	
4-Chlorophenyl phenyl ether	ND		1.5	
Fluorene	ND		1.5	
4-Nitroaniline	ND		1.5	
4,6-Dinitro-2-methylphenol	ND		1.5	
Diphenylamine	ND		1.5	
Azobenzene *	ND		1.5	
Phenacetin	ND		1.5	
4-Bromophenyl phenyl ether	ND		1.5	
Hexachlorobenzene	ND		1.5	
Pentachlorophenol	ND		1.5	
Pronamide	ND		1.5	
Pentachloronitrobenzene	ND		1.5	
Phenanthrene	ND		1.5	
Anthracene	ND		1.5	
Carbazole	ND		1.5	
4-Nitrobiphenyl	ND		1.5	
Di-n-butylphthalate	ND		1.5	
5-Nitroacenaphthene	ND		1.5	
Isodrin	ND		1.5	
Fluoranthene	ND		1.5	

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07/03/08 15:48

Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/06/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	5.00
Client Sample ID:	**G105**	Lab Sample ID:	**S806706-01**
Matrix:	Water	Collected By: TW	Date/Time Collected: 06/05/08 10:55
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/12/08
Units:	ug/L		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Pyrene	ND		1.5	
Dimethylaminoazobenzene	ND		1.5	
yl benzyl phthalate	ND		1.5	
3,3'-Dichlorobenzidine	ND		1.5	
Benzo(a)anthracene	ND		1.5	
Chrysene	ND		1.5	
Bis(2-ethylhexyl)phthalate	ND		1.5	
Mestranol	ND		1.5	
Di-n-octylphthalate	ND		1.5	
Benzo(b)fluoranthene	ND		1.5	
7,12-Dimethylbenzo(a)anthracene	ND		1.5	
Benzo(k)fluoranthene	ND		1.5	
Benzo(a)pyrene	ND		1.5	
Indeno(1,2,3-cd)pyrene	ND		1.5	
Dibenzo(a,h)anthracene	ND		1.5	
Benzo(ghi)perylene	ND		1.5	

pH *

Method:	150.1	Analyzed:	06/10/08
Units:	PH		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level

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Illinois Environmental Protection Agency Laboratory

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/06/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	5.00
Client Sample ID:	**G105**	Lab Sample ID:	**S806706-01**
Matrix:	Water	Collected By: TW	Date/Time Collected: 06/05/08 10:55
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

pH *

Method:	150.1	Analyzed:	06/10/08
Units:	PH		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
pH	**7.60**		0.10	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/06/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	5.00
Client Sample ID:	**X119**	Lab Sample ID:	**S806706-02**
Matrix:	Soil	Collected By: TW	Date/Time Collected: 06/05/08 14:30
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Pesticides/PCBs by ECD

Method:	8081/8082	Analyzed:	06/12/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
alpha-BHC	ND		6.3	
beta-BHC	ND		6.3	
delta-BHC	ND		6.3	
gamma-BHC	ND		6.3	
Heptachlor	ND		6.3	
Aldrin	ND		6.3	
Heptachlor epoxide	ND		6.3	
Endosulfan I	ND		6.3	
Dieldrin	ND		6.3	
p,p'-DDE	ND		6.3	
Endrin	ND		6.3	
Endosulfan II	ND		6.3	
p,p'-DDD	ND		6.3	
Endosulfan sulfate	ND		6.3	
p,p'-DDT	ND		6.3	
Methoxychlor	ND		31	
Endrin ketone	ND		6.3	
Endrin aldehyde	ND		6.3	
alpha-Chlordane	ND		13	
gamma-Chlordane	ND		13	
Toxaphene	ND		130	
Aroclor 1016	ND		13	
Aroclor 1221	ND		13	
Aroclor 1232	ND		13	

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Reported:
07/03/08 15:48

Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/06/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	5.00
Client Sample ID:	**X119**	Lab Sample ID:	**S806706-02**
Matrix:	Soil	Collected By: TW	Date/Time Collected: 06/05/08 14:30
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Pesticides/PCBs by ECD

Method:	8081/8082	Analyzed:	06/12/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Aroclor 1242	ND		13	
·-oclor 1248	ND		13	
,clor 1254	ND		13	
Aroclor 1260	ND		13	

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Analyzed:	06/18/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Chloromethane	ND		2.1	
Vinyl chloride	ND		2.1	
Bromomethane	ND		2.1	
Chloroethane	ND		2.1	
Trichlorofluoromethane	ND		2.1	
Acetone	**12**		11	
1,1-Dichloroethene	ND		2.1	
Methylene chloride	ND		5.3	
Carbon disulfide	ND		2.1	
trans-1,2-Dichloroethene	ND		2.1	
Methyl tert-butyl ether	ND		2.1	
1,1-Dichloroethane	ND		2.1	

Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/06/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	5.00
Client Sample ID:	**X119**	Lab Sample ID:	**S806706-02**
Matrix:	Soil	Collected By: TW	Date/Time Collected: 06/05/08 14:30
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Analyzed:	06/18/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
2-Butanone (MEK)	ND		11	
˜-1,2-Dichloroethene	ND		2.1	
›mochloromethane	ND		2.1	
Chloroform	ND		2.1	
2,2-Dichloropropane	ND		2.1	
1,2-Dichloroethane	ND		2.1	
1,1,1-Trichloroethane	ND		2.1	
1,1-Dichloropropene	ND		2.1	
Carbon tetrachloride	ND		2.1	
Benzene	ND		2.1	
Dibromomethane	ND		2.1	
1,2-Dichloropropane	ND		2.1	
Trichloroethene	ND		2.1	
Bromodichloromethane	ND		2.1	
cis-1,3-Dichloropropene	ND		2.1	
4-Methyl-2-pentanone (MIBK)	ND		2.1	
trans-1,3-Dichloropropene	ND		2.1	
1,1,2-Trichloroethane	ND		2.1	
Toluene	ND		2.1	
1,3-Dichloropropane	ND		2.1	
2-Hexanone (MBK)	ND		2.1	
Dibromochloromethane	ND		2.1	
1,2-Dibromoethane	ND		2.1	
Tetrachloroethene	ND		2.1	

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07/03/08 15:48

Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/06/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	5.00
Client Sample ID:	**X119**	Lab Sample ID:	**S806706-02**
Matrix:	Soil	Collected By: TW	Date/Time Collected: 06/05/08 14:30
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Analyzed: 06/18/08

Units: ug/kg dry

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
1,1,1,2-Tetrachloroethane	ND		2.1	
⁻'lorobenzene	ND		2.1	
.ylbenzene	ND		2.1	
Bromoform	ND		2.1	
Styrene	ND		2.1	
1,1,2,2-Tetrachloroethane	ND		2.1	
Xylenes, total	**2.5**		2.1	
1,2,3-Trichloropropane	ND		2.1	
Isopropylbenzene	ND		2.1	
Bromobenzene	ND		2.1	

Semivolatiles by GC/MS

Method: 8270 Analyzed: 06/17/08

Units: ug/kg dry

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Pyridine	ND		63	
2-Picoline	ND		63	
Methyl methanesulfonate	ND		63	
Ethyl methanesulfonate	ND		63	
Phenol	ND		63	
Bis(2-chloroethyl)ether	ND		63	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/06/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	5.00
Client Sample ID:	**X119**	Lab Sample ID:	**S806706-02**
Matrix:	Soil	Collected By: TW	Date/Time Collected: 06/05/08 14:30
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/17/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
2-Chlorophenol	ND		63	
3-Dichlorobenzene	ND		63	
-Dichlorobenzene	ND		63	
1,2-Dichlorobenzene	ND		63	
2-Methylphenol	ND		63	
2,2'-Oxybis(1-chloropropane)	ND		63	
Acetophenone	ND		63	
4-Methylphenol	ND		63	
N-Nitrosodi-n-propylamine	ND		63	
Hexachloroethane	ND		63	
Nitrobenzene	ND		63	
N-Nitrosopiperidine	ND		63	
Isophorone	ND		63	
2-Nitrophenol	ND		63	
2,4-Dimethylphenol	ND		63	
Bis(2-chloroethoxy)methane	ND		63	
2,4-Dichlorophenol	ND		63	
1,2,4-Trichlorobenzene	ND		63	
Naphthalene	ND	J7	63	
4-Chloroaniline	ND		63	
2,6-Dichlorophenol	ND		63	
Hexachloropropene	ND		63	
Hexachlorobutadiene	ND		63	
N-Nitrosodi-n-butylamine	ND		63	

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Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	5.00
Client Sample ID:	**X119**	Lab Sample ID:	**S806706-02**
Matrix:	Soil	Collected By: TW	Date/Time Collected: 06/05/08 14:30
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/17/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
4-Chloro-3-methylphenol	ND		63	
˜ ›safrole	ND		63	
Iethylnaphthalene	ND		63	
1,2,4,5-Tetrachlorobenzene	ND		63	
Hexachlorocyclopentadiene	ND		210	
2,4,6-Trichlorophenol	ND		63	
2,4,5-Trichlorophenol	ND		63	
Safrole	ND		63	
2-Chloronaphthalene	ND		63	
1-Chloronaphthalene	ND		63	
2-Nitroaniline	ND		63	
1,4-Dinitrobenzene	ND		63	
Dimethylphthalate	ND		63	
1,3-Dinitrobenzene	ND		63	
2,6-Dinitrotoluene	ND		63	
Acenaphthylene	ND		63	
1,2-Dinitrobenzene	ND		63	
3-Nitroaniline	ND		63	
Acenaphthene	ND		63	
2,4-Dinitrophenol	ND		210	
4-Nitrophenol	ND		63	
Dibenzofuran	ND		63	
2,4-Dinitrotoluene	ND		63	
Pentachlorobenzene	ND		63	

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Client Sample ID:	**X119**	Lab Sample ID:	**S806706-02**
Matrix:	Soil	Collected By: TW	Date/Time Collected: 06/05/08 14:30
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/17/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
1-Naphthylamine	ND		210	
^ Naphthylamine	ND		63	
,4,6-Tetrachlorophenol	ND		63	
Diethylphthalate	ND		63	
4-Chlorophenyl phenyl ether	ND		63	
Fluorene	ND		63	
4-Nitroaniline	ND		63	
4,6-Dinitro-2-methylphenol	ND		410	
Diphenylamine	ND		63	
Azobenzene *	ND		63	
Phenacetin	ND		63	
4-Bromophenyl phenyl ether	ND		63	
Hexachlorobenzene	ND		63	
Pentachlorophenol	ND		630	
Pronamide	ND		63	
Pentachloronitrobenzene	ND		63	
Phenanthrene	ND		63	
Anthracene	ND		63	
Carbazole	ND		63	
4-Nitrobiphenyl	ND		63	
Di-n-butylphthalate	ND	J5	63	
5-Nitroacenaphthene	ND		63	
Isodrin	ND		63	
Fluoranthene	ND		63	

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Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	5.00
Client Sample ID:	**X119**	Lab Sample ID:	**S806706-02**
Matrix:	Soil	Collected By: TW	Date/Time Collected: 06/05/08 14:30
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/17/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Pyrene	ND		63	
Dimethylaminoazobenzene	ND		63	
yl benzyl phthalate	ND		63	
3,3'-Dichlorobenzidine	ND		63	
Benzo(a)anthracene	ND		63	
Chrysene	ND		63	
Bis(2-ethylhexyl)phthalate	ND		210	
Mestranol	ND		63	
Di-n-octylphthalate	ND		63	
Benzo(b)fluoranthene	ND		63	
7,12-Dimethylbenzo(a)anthracene	ND		63	
Benzo(k)fluoranthene	ND		63	
Benzo(a)pyrene	ND		63	
Indeno(1,2,3-cd)pyrene	ND		63	
Dibenzo(a,h)anthracene	ND		63	
Benzo(ghi)perylene	ND		63	

pH *

Method:	150.1	Analyzed:	06/10/08
Units:	PH		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level

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LABORATORY RESULTS

Name:	**NORTH CHICAGO**		
Project/Facility Number:	0971255020	Date Received :	06/06/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	5.00
Client Sample ID:	**X119**	Lab Sample ID:	**S806706-02**
Matrix:	Soil	Collected By: TW	Date/Time Collected: 06/05/08 14:30
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

pH *

Method:	150.1	Analyzed:	06/10/08
Units:	PH		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
pH	**7.20**		0.10	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/06/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	5.00

Client Sample ID:	**X120**			Lab Sample ID:	**S806706-03**
Matrix:	Soil	Collected By:	TW	Date/Time Collected:	06/05/08 13:00
Sample Type:		Sample Depth:	0 Feet	Total Depth:	Feet

Pesticides/PCBs by ECD

Method:	8081/8082	Analyzed:	06/12/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
alpha-BHC	ND		6.0	
·ta-BHC	ND		6.0	
.a-BHC	ND		6.0	
gamma-BHC	ND		6.0	
Heptachlor	ND		6.0	
Aldrin	ND		6.0	
Heptachlor epoxide	ND		6.0	
Endosulfan I	ND		6.0	
Dieldrin	ND		6.0	
p,p'-DDE	ND		6.0	
Endrin	ND		6.0	
Endosulfan II	ND		6.0	
p,p'-DDD	ND		6.0	
Endosulfan sulfate	ND		6.0	
p,p'-DDT	ND		6.0	
Methoxychlor	ND		30	
Endrin ketone	ND		6.0	
Endrin aldehyde	ND		6.0	
alpha-Chlordane	ND		12	
gamma-Chlordane	ND		12	
Toxaphene	ND		120	
Aroclor 1016	ND		12	
Aroclor 1221	ND		12	
Aroclor 1232	ND		12	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/06/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	5.00

Client Sample ID:	**X120**	Lab Sample ID:	**S806706-03**
Matrix:	Soil	Collected By: TW	Date/Time Collected: 06/05/08 13:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Pesticides/PCBs by ECD

Method:	8081/8082	Analyzed:	06/12/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Aroclor 1242	ND		12	
Aroclor 1248	ND		12	
Aroclor 1254	ND		12	
Aroclor 1260	ND		12	

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Analyzed:	06/18/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Chloromethane	ND		1.9	
Vinyl chloride	ND		1.9	
Bromomethane	ND		1.9	
Chloroethane	ND		1.9	
Trichlorofluoromethane	ND		1.9	
Acetone	ND		9.5	
1,1-Dichloroethene	ND		1.9	
Methylene chloride	ND		4.8	
Carbon disulfide	ND		1.9	
trans-1,2-Dichloroethene	ND		1.9	
Methyl tert-butyl ether	ND		1.9	
1,1-Dichloroethane	ND		1.9	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/06/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	5.00
Client Sample ID:	**X120**	Lab Sample ID:	**S806706-03**
Matrix:	Soil	Collected By: TW	Date/Time Collected: 06/05/08 13:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Analyzed:	06/18/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
2-Butanone (MEK)	ND		9.5	
·s-1,2-Dichloroethene	ND		1.9	
·mochloromethane	ND		1.9	
Chloroform	ND		1.9	
2,2-Dichloropropane	ND		1.9	
1,2-Dichloroethane	ND		1.9	
1,1,1-Trichloroethane	ND		1.9	
1,1-Dichloropropene	ND		1.9	
Carbon tetrachloride	ND		1.9	
Benzene	ND		1.9	
Dibromomethane	ND		1.9	
1,2-Dichloropropane	ND		1.9	
Trichloroethene	ND		1.9	
Bromodichloromethane	ND		1.9	
cis-1,3-Dichloropropene	ND		1.9	
4-Methyl-2-pentanone (MIBK)	ND		1.9	
trans-1,3-Dichloropropene	ND		1.9	
1,1,2-Trichloroethane	ND		1.9	
Toluene	ND		1.9	
1,3-Dichloropropane	ND		1.9	
2-Hexanone (MBK)	ND		1.9	
Dibromochloromethane	ND		1.9	
1,2-Dibromoethane	ND		1.9	
Tetrachloroethene	ND		1.9	

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Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/06/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	5.00

Client Sample ID:	**X120**	Lab Sample ID:	**S806706-03**
Matrix:	Soil	Collected By: TW	Date/Time Collected: 06/05/08 13:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Analyzed: 06/18/08

Units: ug/kg dry

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
1,1,1,2-Tetrachloroethane	ND		1.9	
Chlorobenzene	ND		1.9	
Ethylbenzene	ND		1.9	
Bromoform	ND		1.9	
Styrene	ND		1.9	
1,1,2,2-Tetrachloroethane	ND		1.9	
Xylenes, total	ND		1.9	
1,2,3-Trichloropropane	ND		1.9	
Isopropylbenzene	**62**		1.9	
Bromobenzene	ND		1.9	

Semivolatiles by GC/MS

Method: 8270 Analyzed: 06/17/08

Units: ug/kg dry

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Pyridine	ND		60	
2-Picoline	ND		60	
Methyl methanesulfonate	ND		60	
Ethyl methanesulfonate	ND		60	
Phenol	ND		60	
Bis(2-chloroethyl)ether	ND		60	

EPA Laboratory

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Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	**NORTH CHICAGO**		
Project/Facility Number:	0971255020	Date Received :	06/06/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	5.00
Client Sample ID:	**X120**	Lab Sample ID:	**S806706-03**
Matrix:	Soil	Collected By: TW	Date/Time Collected: 06/05/08 13:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/17/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
2-Chlorophenol	ND		60	
' 3-Dichlorobenzene	ND		60	
-Dichlorobenzene	ND		60	
1,2-Dichlorobenzene	ND		60	
2-Methylphenol	ND		60	
2,2'-Oxybis(1-chloropropane)	ND		60	
Acetophenone	ND		60	
4-Methylphenol	ND		60	
N-Nitrosodi-n-propylamine	ND		60	
Hexachloroethane	ND		60	
Nitrobenzene	ND		60	
N-Nitrosopiperidine	ND		60	
Isophorone	ND		60	
2-Nitrophenol	ND		60	
2,4-Dimethylphenol	ND		60	
Bis(2-chloroethoxy)methane	ND		60	
2,4-Dichlorophenol	ND		60	
1,2,4-Trichlorobenzene	ND		60	
Naphthalene	ND	J7	60	
4-Chloroaniline	ND		60	
2,6-Dichlorophenol	ND		60	
Hexachloropropene	ND		60	
Hexachlorobutadiene	ND		60	
N-Nitrosodi-n-butylamine	ND		60	

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LABORATORY RESULTS

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Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	5.00
Client Sample ID:	**X120**	Lab Sample ID:	**S806706-03**
Matrix:	Soil	Collected By: TW	Date/Time Collected: 06/05/08 13:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/17/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
4-Chloro-3-methylphenol	ND		60	
''osafrole	ND		60	
1ethylnaphthalene	ND		60	
1,2,4,5-Tetrachlorobenzene	ND		60	
Hexachlorocyclopentadiene	ND		200	
2,4,6-Trichlorophenol	ND		60	
2,4,5-Trichlorophenol	ND		60	
Safrole	ND		60	
2-Chloronaphthalene	ND		60	
1-Chloronaphthalene	ND		60	
2-Nitroaniline	ND		60	
1,4-Dinitrobenzene	ND		60	
Dimethylphthalate	ND		60	
1,3-Dinitrobenzene	ND		60	
2,6-Dinitrotoluene	ND		60	
Acenaphthylene	ND		60	
1,2-Dinitrobenzene	ND		60	
3-Nitroaniline	ND		60	
Acenaphthene	ND		60	
2,4-Dinitrophenol	ND		200	
4-Nitrophenol	ND		60	
Dibenzofuran	**67**		60	
2,4-Dinitrotoluene	ND		60	
Pentachlorobenzene	ND		60	

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Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	5.00
Client Sample ID:	**X120**	Lab Sample ID:	**S806706-03**
Matrix:	Soil	Collected By: TW	Date/Time Collected: 06/05/08 13:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/17/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
1-Naphthylamine	ND		200	
^ Naphthylamine	ND		60	
,4,6-Tetrachlorophenol	ND		60	
Diethylphthalate	ND		60	
4-Chlorophenyl phenyl ether	ND		60	
Fluorene	**150**		60	
4-Nitroaniline	ND		60	
4,6-Dinitro-2-methylphenol	ND		400	
Diphenylamine	ND		60	
Azobenzene *	ND		60	
Phenacetin	ND		60	
4-Bromophenyl phenyl ether	ND		60	
Hexachlorobenzene	ND		60	
Pentachlorophenol	ND		600	
Pronamide	ND		60	
Pentachloronitrobenzene	ND		60	
Phenanthrene	**460**		60	
Anthracene	**100**		60	
Carbazole	**89**		60	
4-Nitrobiphenyl	ND		60	
Di-n-butylphthalate	**140**	V, J6	60	
5-Nitroacenaphthene	ND		60	
Isodrin	ND		60	
Fluoranthene	**260**		60	

ᵓA Laboratory

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Reported:
07/03/08 15:48

Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/06/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	5.00
Client Sample ID:	**X120**	Lab Sample ID:	**S806706-03**
Matrix:	Soil	Collected By: TW	Date/Time Collected: 06/05/08 13:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/17/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Pyrene	**180**		60	
n-Dimethylaminoazobenzene	ND		60	
yl benzyl phthalate	ND		60	
,3'-Dichlorobenzidine	ND		60	
Benzo(a)anthracene	**74**		60	
Chrysene	**71**		60	
Bis(2-ethylhexyl)phthalate	ND		200	
Mestranol	ND		60	
Di-n-octylphthalate	ND		60	
Benzo(b)fluoranthene	**80**		60	
7,12-Dimethylbenzo(a)anthracene	ND		60	
Benzo(k)fluoranthene	**110**		60	
Benzo(a)pyrene	**60**		60	
Indeno(1,2,3-cd)pyrene	ND		60	
Dibenzo(a,h)anthracene	ND		60	
Benzo(ghi)perylene	ND		60	

pH *

Method:	150.1	Analyzed:	06/10/08
Units:	PH		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level

EPA Laboratory

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Reported:
07/03/08 15:48

Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	**NORTH CHICAGO**		
Project/Facility Number:	0971255020	Date Received :	06/06/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	5.00
Client Sample ID:	**X120**	Lab Sample ID:	**S806706-03**
Matrix:	Soil	Collected By: TW	Date/Time Collected: 06/05/08 13:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

pH *

Method:	150.1	Analyzed:	06/10/08
Units:	PH		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
pH	**7.50**		0.10	

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Reported:
07/03/08 15:48

Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	**NORTH CHICAGO**		
Project/Facility Number:	0971255020	Date Received :	06/06/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	5.00
Client Sample ID:	**X124**	Lab Sample ID:	**S806706-04**
Matrix:	Soil	Collected By: TW	Date/Time Collected: 06/05/08 13:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Pesticides/PCBs by ECD

Method:	8081/8082	Analyzed:	06/12/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
alpha-BHC	ND		5.8	
·ta-BHC	ND		5.8	
.a-BHC	ND		5.8	
gamma-BHC	ND		5.8	
Heptachlor	ND		5.8	
Aldrin	ND		5.8	
Heptachlor epoxide	ND		5.8	
Endosulfan I	ND		5.8	
Dieldrin	ND		5.8	
p,p'-DDE	ND		5.8	
Endrin	**6.6**		5.8	
Endosulfan II	ND		5.8	
p,p'-DDD	ND		5.8	
Endosulfan sulfate	ND		5.8	
p,p'-DDT	ND		5.8	
Methoxychlor	ND		29	
Endrin ketone	ND		5.8	
Endrin aldehyde	ND		5.8	
alpha-Chlordane	ND		12	
gamma-Chlordane	ND		12	
Toxaphene	ND		120	
Aroclor 1016	ND		12	
Aroclor 1221	ND		12	
Aroclor 1232	ND		12	

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Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/06/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	5.00
Client Sample ID:	**X124**	Lab Sample ID:	**S806706-04**
Matrix:	Soil	Collected By: TW	Date/Time Collected: 06/05/08 13:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Pesticides/PCBs by ECD

Method:	8081/8082	Analyzed:	06/12/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Aroclor 1242	ND		12	
·-oclor 1248	ND		12	
)clor 1254	**110**		12	
Aroclor 1260	**49**		12	

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Analyzed:	06/18/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Chloromethane	ND		2.0	
Vinyl chloride	ND		2.0	
Bromomethane	ND		2.0	
Chloroethane	ND		2.0	
Trichlorofluoromethane	ND		2.0	
Acetone	**13**		9.8	
1,1-Dichloroethene	ND		2.0	
Methylene chloride	ND		4.9	
Carbon disulfide	ND		2.0	
trans-1,2-Dichloroethene	ND		2.0	
Methyl tert-butyl ether	ND		2.0	
1,1-Dichloroethane	ND		2.0	

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Reported:
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Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	**NORTH CHICAGO**		
Project/Facility Number:	0971255020	Date Received :	06/06/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	5.00

Client Sample ID:	**X124**			Lab Sample ID:	**S806706-04**
Matrix:	Soil	Collected By:	TW	Date/Time Collected:	06/05/08 13:00
Sample Type:		Sample Depth:	0 Feet	Total Depth:	Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Analyzed:	06/18/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
2-Butanone (MEK)	ND		9.8	
[illegible]-1,2-Dichloroethene	ND		2.0	
[illegible]mochloromethane	ND		2.0	
Chloroform	ND		2.0	
2,2-Dichloropropane	ND		2.0	
1,2-Dichloroethane	ND		2.0	
1,1,1-Trichloroethane	ND		2.0	
1,1-Dichloropropene	ND		2.0	
Carbon tetrachloride	ND		2.0	
Benzene	ND		2.0	
Dibromomethane	ND		2.0	
1,2-Dichloropropane	ND		2.0	
Trichloroethene	ND		2.0	
Bromodichloromethane	ND		2.0	
cis-1,3-Dichloropropene	ND		2.0	
4-Methyl-2-pentanone (MIBK)	ND		2.0	
trans-1,3-Dichloropropene	ND		2.0	
1,1,2-Trichloroethane	ND		2.0	
Toluene	**2.0**		2.0	
1,3-Dichloropropane	ND		2.0	
2-Hexanone (MBK)	ND		2.0	
Dibromochloromethane	ND		2.0	
1,2-Dibromoethane	ND		2.0	
Tetrachloroethene	ND		2.0	

Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	**NORTH CHICAGO**		
Project/Facility Number:	0971255020	Date Received :	06/06/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	5.00
Client Sample ID:	**X124**	Lab Sample ID:	**S806706-04**
Matrix:	Soil	Collected By: TW	Date/Time Collected: 06/05/08 13:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Analyzed: 06/18/08

Units: ug/kg dry

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
1,1,1,2-Tetrachloroethane	ND		2.0	
Chlorobenzene	ND		2.0	
Ethylbenzene	**2.0**		2.0	
Bromoform	ND		2.0	
Styrene	ND		2.0	
1,1,2,2-Tetrachloroethane	ND		2.0	
Xylenes, total	**6.8**		2.0	
1,2,3-Trichloropropane	ND		2.0	
Isopropylbenzene	**2.2**		2.0	
Bromobenzene	ND		2.0	

Semivolatiles by GC/MS

Method: 8270 Analyzed: 06/17/08

Units: ug/kg dry

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Pyridine	ND		58	
2-Picoline	ND		58	
Methyl methanesulfonate	ND		58	
Ethyl methanesulfonate	ND		58	
Phenol	ND		58	
Bis(2-chloroethyl)ether	ND		58	

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Illinois Environmental Protection Agency Laboratory

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/06/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	5.00

Client Sample ID:	**X124**	Lab Sample ID:	**S806706-04**
Matrix: Soil	Collected By: TW	Date/Time Collected:	06/05/08 13:00
Sample Type:	Sample Depth: 0 Feet	Total Depth:	Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/17/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
2-Chlorophenol	ND		58	
1,3-Dichlorobenzene	ND		58	
1,4-Dichlorobenzene	ND		58	
1,2-Dichlorobenzene	ND		58	
2-Methylphenol	ND		58	
2,2'-Oxybis(1-chloropropane)	ND		58	
Acetophenone	ND		58	
4-Methylphenol	ND		58	
N-Nitrosodi-n-propylamine	ND		58	
Hexachloroethane	ND		58	
Nitrobenzene	ND		58	
N-Nitrosopiperidine	ND		58	
Isophorone	ND		58	
2-Nitrophenol	ND		58	
2,4-Dimethylphenol	ND		58	
Bis(2-chloroethoxy)methane	ND		58	
2,4-Dichlorophenol	ND		58	
1,2,4-Trichlorobenzene	ND		58	
Naphthalene	ND	J7	58	
4-Chloroaniline	ND		58	
2,6-Dichlorophenol	ND		58	
Hexachloropropene	ND		58	
Hexachlorobutadiene	ND		58	
N-Nitrosodi-n-butylamine	ND		58	

EPA Laboratory

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LABORATORY RESULTS

Name:	**NORTH CHICAGO**		
Project/Facility Number:	0971255020	Date Received :	06/06/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	5.00
Client Sample ID:	**X124**	Lab Sample ID:	**S806706-04**
Matrix:	Soil	Collected By: TW	Date/Time Collected: 06/05/08 13:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/17/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
4-Chloro-3-methylphenol	ND		58	
·osafrole	ND		58	
Methylnaphthalene	**150**		58	
1,2,4,5-Tetrachlorobenzene	ND		58	
Hexachlorocyclopentadiene	ND		200	
2,4,6-Trichlorophenol	ND		58	
2,4,5-Trichlorophenol	ND		58	
Safrole	ND		58	
2-Chloronaphthalene	ND		58	
1-Chloronaphthalene	ND		58	
2-Nitroaniline	ND		58	
1,4-Dinitrobenzene	ND		58	
Dimethylphthalate	ND		58	
1,3-Dinitrobenzene	ND		58	
2,6-Dinitrotoluene	ND		58	
Acenaphthylene	ND		58	
1,2-Dinitrobenzene	ND		58	
3-Nitroaniline	ND		58	
Acenaphthene	**87**		58	
2,4-Dinitrophenol	ND		200	
4-Nitrophenol	ND		58	
Dibenzofuran	**69**		58	
2,4-Dinitrotoluene	ND		58	
Pentachlorobenzene	ND		58	

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Illinois Environmental Protection Agency Laboratory

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LABORATORY RESULTS

Name:	**NORTH CHICAGO**		
Project/Facility Number:	0971255020	Date Received :	06/06/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	5.00
Client Sample ID:	**X124**	Lab Sample ID:	**S806706-04**
Matrix:	Soil	Collected By: TW	Date/Time Collected: 06/05/08 13:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/17/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
1-Naphthylamine	ND		200	
^ Naphthylamine	ND		58	
,4,6-Tetrachlorophenol	ND		58	
Diethylphthalate	ND		58	
4-Chlorophenyl phenyl ether	ND		58	
Fluorene	**120**		58	
4-Nitroaniline	ND		58	
4,6-Dinitro-2-methylphenol	ND		380	
Diphenylamine	ND		58	
Azobenzene *	ND		58	
Phenacetin	ND		58	
4-Bromophenyl phenyl ether	ND		58	
Hexachlorobenzene	ND		58	
Pentachlorophenol	ND		580	
Pronamide	ND		58	
Pentachloronitrobenzene	ND		58	
Phenanthrene	**320**		58	
Anthracene	ND		58	
Carbazole	ND		58	
4-Nitrobiphenyl	ND		58	
Di-n-butylphthalate	ND	J5	58	
5-Nitroacenaphthene	ND		58	
Isodrin	ND		58	
Fluoranthene	ND		58	

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Illinois Environmental Protection Agency Laboratory

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/06/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	5.00
Client Sample ID:	**X124**	Lab Sample ID:	**S806706-04**
Matrix:	Soil	Collected By: TW	Date/Time Collected: 06/05/08 13:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	06/17/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Pyrene	ND		58	
Dimethylaminoazobenzene	ND		58	
yl benzyl phthalate	ND		58	
3,3'-Dichlorobenzidine	ND		58	
Benzo(a)anthracene	ND		58	
Chrysene	ND		58	
Bis(2-ethylhexyl)phthalate	ND		200	
Mestranol	ND		58	
Di-n-octylphthalate	ND		58	
Benzo(b)fluoranthene	ND		58	
7,12-Dimethylbenzo(a)anthracene	ND		58	
Benzo(k)fluoranthene	ND		58	
Benzo(a)pyrene	ND		58	
Indeno(1,2,3-cd)pyrene	ND		58	
Dibenzo(a,h)anthracene	ND		58	
Benzo(ghi)perylene	ND		58	

pH *

Method:	150.1	Analyzed:	06/10/08
Units:	PH		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level

PA Laboratory

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Reported:
07/03/08 15:48

Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	**NORTH CHICAGO**		
Project/Facility Number:	0971255020	Date Received :	06/06/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	5.00
Client Sample ID:	**X124**	Lab Sample ID:	**S806706-04**
Matrix:	Soil	Collected By: TW	Date/Time Collected: 06/05/08 13:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

pH *

Method:	150.1	Analyzed:	06/10/08
Units:	PH		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
pH	**7.50**		0.10	

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Reported:
07/03/08 15:48

Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 · 217.782.9780

LABORATORY RESULTS

Name:	**NORTH CHICAGO**		
Project/Facility Number:	0971255020	Date Received :	06/06/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	5.00

Notes and Definitions

V	Indicates the analyte was detected in both the sample and the associated method blank and was outside method blank acceptance criteria.
Q	Holding time exceeded.
J7	Blank spike failed low - possible low bias or false non-detect.
J6	Blank spike failed high - possible high bias or false positive result.
J5	Blank spike failed high, result was non-detect - impact on data may be minimal.
J1	Surrogate compound recovery limits have not been met.
ND	Analyte NOT DETECTED at or above the reporting limit
`	Not Reported
*	Non-NELAP accredited

S806706-01: Insufficient sample volume received to perform a matrix spike and duplicate for Method 8082. Therefore, NELAC and method requirements were not met.

Method 8270 samples S806706-01, -02, -03, and -04: Tentatively Identified Compounds (TICs) were detected in the semivolatile analysis. Please contact the laboratory if additional information about the TICs is needed.

Method 8260 samples S806706-03: Tentatively Identified Compounds (TICs) were detected in the volatile analysis. Please contact the laboratory if additional information about the TICs is needed.

'A Laboratory

..port Authorized by:

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Reported:
07/03/08 15:48

Illinois Environmental Protection Agency Chain of Custody

Preservative Codes	Container Description: Soil	Container Description: Aqueous
1. None		
2. VOA - HCl	VOC - 2 oz. glass (2)	VOC - 40 mL glass (3)
3. Metals - HNO3	SVOC - 8 oz. glass (1)	SVOC, Pest/PCB - 40 oz amber glass (1)*
4. Cyanide - NaOH	Pest/PCB - 8 oz. glass (1)	
5. Other:	Inorganics - 16 oz. glass (1)	Inorganics - 1 qt. plastic (1)
6. Other		* duplicate 1 out of 10

Fund:	LPC#:	Locality:	Cooler Initially Sealed By:	Date Initially Sealed
PR50	0971255020		MM	5-24-08
Section:	Site Name:	Project Manager:	Phone Number:	Initial Cooler Seal #
	North Chicago (a.k.a Chemical Packing)	Jim Salch	217-785-8726	037

Lab Sample No.	Parameter Group: SVOC	Pest	PCB	VOC	PH			Field Sample Number	Matrix	No. of Bottles	Date Collected	Time Collected (24 hr clock)	Sampler's Initials	Special Notations	Legal Hold Y or N
S806749-01				X				Trip Blank	water	2	6-6-08	1115	TW		
S806749-02	X	X	X	X	X			Field Blank	water	4	6-6-08	11120	TW		
S806749-03	X	X	X	X	X			X122	Soil	2	6-6-08	1020	TW		
S806749-04	X	X	X	X	X			G106	Water	4	6-6-08	1130	TW		

Opener: I certify that I received the sample shipping container with the shipping container sealed and intact.

Cooler Opened by:	Seal No:	Date:	Time:	Intact
Tony Wasilewski	037	6-6-08	1110	(Y)N
				Y-N

Sealer : I certify that the samples listed above were collected in my presence and sealed by me.

Cooler Sealed By:	Seal No.:	Date:	Time:
Tony Wasilewski	018	6-6-08	1400

I certify that I received the cooler containing the above samples with the seal(s) intact.

Received for Lab by:	Seal No:	Date:	Time:	Intact:
CMC Crowley	018	6/6/08	1940	(Y)N

Sample Courier:

Turnaround Time Requested:

Samplers:

Lab Comments: Encore placed in freezer 6/6/08 1945 CMC

Supervisor Releasing Results: Gary Germann by CMC Date: 7/7/08

Illinois Environmental Protection Agency Chain of Custody

Preservative Codes	Container Description: Soil	Container Description: Aqueous
1. None		
2. VOA - HCl	VOC - 2 oz. glass (2)	VOC - 40 mL glass (3)
3. Metals - HNO3	SVOC - 8 oz. glass (1)	SVOC, Pest/PCB - 40 oz amber glass (1)*
4. Cyanide - NaOH	Pest/PCB - 8 oz. glass (1)	
5. Other:	Inorganics - 16 oz. glass (1)	Inorganics - 1 qt. plastic (1)
6. Other		* duplicate 1 out of 10

Fund:	LPC#:	Locality:	Cooler Initially Sealed By:	Date Initially Sealed
PR50	0971255020		[illegible]	5-24-08
Section:	**Site Name:**	**Project Manager:**	**Phone Number:**	**Initial Cooler Seal #**
	North Chicago	Jim Salch	217-785-8726	037

(a.k.a Chemical Packing)

Lab Sample No.	Parameter Group: SVOC	Pest	PCB	VOC	PH			Collection Information: Field Sample Number	Matrix	No. of Bottles	Date Collected	Time Collected (24 hr clock)	Sampler's Initials	Special Notations	Legal Hold Y or N
				X				Trip blank	water	2	6-6-08	1115	TW		
	X	X	X	X	X			Field blank	water	4	6-6-08	1120	TW		
	X	X	X	X	X			X122	soil	2	6-6-08	1020	TW		
	X	X	X	X	X			G106	water	4	6-6-08	1130	TW		

Opener: I certify that I received the sample shipping container with the shipping container sealed and intact.

Cooler Opened by:	Seal No:	Date:	Time:	Intact
Tony Wasilewski	037	6-6-08	1110	Y-N
				Y-N

Sealer : I certify that the samples listed above were collected in my presence and sealed by me.

Cooler Sealed By:	Seal No.:	Date:	Time:
Tony Wasilewski	018	6-6-08	1400

I certify that I received the cooler containing the above samples with the seal(s) intact.

Received for Lab by:	Seal No:	Date:	Time:	Intact:
CMC Crowley	018	6/6/08	1940	Y-N

Lab Comments: Envelope placed in freezer 6/6/08 1945 cmc

Supervisor Releasing Results: Gary Germann by CMC Date: 7/7/08

Sample Courier:

Turnaround Time Requested:

Samplers:

Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/06/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	5.00
Client Sample ID:	**VOC TRIP BLANK**	Lab Sample ID:	**S806749-01**
Matrix:	Water	Collected By: NA	Date/Time Collected: 06/06/08 0:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Analyzed:	07/03/08
Units:	ug/L		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Chloromethane	ND	Q	2.0	
''nyl chloride	ND	Q	2.0	
momethane	ND	Q	2.0	
Chloroethane	ND	Q	2.0	
Trichlorofluoromethane	ND	Q	2.0	
Acetone	ND	Q	10	
1,1-Dichloroethene	ND	Q	2.0	
Methylene chloride	ND	Q	5.0	
Carbon disulfide	ND	Q	2.0	
trans-1,2-Dichloroethene	ND	Q	2.0	
Methyl tert-butyl ether	ND	Q	2.0	
1,1-Dichloroethane	ND	Q	2.0	
2-Butanone (MEK)	ND	Q	10	
cis-1,2-Dichloroethene	ND	Q	2.0	
Bromochloromethane	ND	Q	2.0	
Chloroform	ND	Q	2.0	
2,2-Dichloropropane	ND	Q	2.0	
1,2-Dichloroethane	ND	Q	2.0	
1,1,1-Trichloroethane	ND	Q	2.0	
1,1-Dichloropropene	ND	Q	2.0	
Carbon tetrachloride	ND	Q	2.0	
Benzene	ND	Q	2.0	
Dibromomethane	ND	Q	2.0	
1,2-Dichloropropane	ND	Q	2.0	

`A Laboratory

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. Test results meet all requirements of NELAC.

Reported:
07/03/08 17:05

Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/06/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	5.00
Client Sample ID:	**VOC TRIP BLANK**	Lab Sample ID:	**S806749-01**
Matrix:	Water	Collected By: NA	Date/Time Collected: 06/06/08 0:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Analyzed:	07/03/08
Units:	ug/L		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Trichloroethene	ND	Q	2.0	
Bromodichloromethane	ND	Q	2.0	
1,3-Dichloropropene	ND	Q	2.0	
4-Methyl-2-pentanone (MIBK)	ND	Q	2.0	
trans-1,3-Dichloropropene	ND	Q	2.0	
1,1,2-Trichloroethane	ND	Q	2.0	
Toluene	ND	Q	2.0	
1,3-Dichloropropane	ND	Q	2.0	
2-Hexanone (MBK)	ND	Q	2.0	
Dibromochloromethane	ND	Q	2.0	
1,2-Dibromoethane	ND	Q	2.0	
Tetrachloroethene	ND	Q	2.0	
1,1,1,2-Tetrachloroethane	ND	Q	2.0	
Chlorobenzene	ND	Q	2.0	
Ethylbenzene	ND	Q	2.0	
Bromoform	ND	Q	2.0	
Styrene	ND	Q	2.0	
1,1,2,2-Tetrachloroethane	ND	Q	2.0	
Xylenes, total	ND	Q	2.0	
1,2,3-Trichloropropane	ND	Q	2.0	
Isopropylbenzene	ND	Q	2.0	
Bromobenzene	ND	Q	2.0	

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Reported:
07/03/08 17:05

Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/06/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	5.00
Client Sample ID:	**FIELD BLANK**	Lab Sample ID:	**S806749-02**
Matrix:	Water	Collected By: NA	Date/Time Collected: 06/06/08 0:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Analyzed:	06/10/08
Units:	ug/L		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Chloromethane	ND		2.0	
Vinyl chloride	ND		2.0	
Bromomethane	ND	J5	2.0	
Chloroethane	ND		2.0	
Trichlorofluoromethane	ND		2.0	
Acetone	ND		10	
1,1-Dichloroethene	ND		2.0	
Methylene chloride	ND		5.0	
Carbon disulfide	ND		2.0	
trans-1,2-Dichloroethene	ND		2.0	
Methyl tert-butyl ether	ND		2.0	
1,1-Dichloroethane	ND		2.0	
2-Butanone (MEK)	ND		10	
cis-1,2-Dichloroethene	ND		2.0	
Bromochloromethane	ND		2.0	
Chloroform	ND		2.0	
2,2-Dichloropropane	ND		2.0	
1,2-Dichloroethane	ND		2.0	
1,1,1-Trichloroethane	ND		2.0	
1,1-Dichloropropene	ND		2.0	
Carbon tetrachloride	ND		2.0	
Benzene	ND		2.0	
Dibromomethane	ND		2.0	
1,2-Dichloropropane	ND		2.0	

`A Laboratory

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Reported:
07/03/08 17:05

Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/06/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	5.00
Client Sample ID:	**FIELD BLANK**	Lab Sample ID:	**S806749-02**
Matrix:	Water	Collected By: NA	Date/Time Collected: 06/06/08 0:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Analyzed:	06/10/08
Units:	ug/L		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Trichloroethene	ND		2.0	
Bromodichloromethane	ND		2.0	
1,3-Dichloropropene	ND		2.0	
4-Methyl-2-pentanone (MIBK)	ND		2.0	
trans-1,3-Dichloropropene	ND		2.0	
1,1,2-Trichloroethane	ND		2.0	
Toluene	ND		2.0	
1,3-Dichloropropane	ND		2.0	
2-Hexanone (MBK)	ND		2.0	
Dibromochloromethane	ND		2.0	
1,2-Dibromoethane	ND		2.0	
Tetrachloroethene	ND		2.0	
1,1,1,2-Tetrachloroethane	ND		2.0	
Chlorobenzene	ND		2.0	
Ethylbenzene	ND		2.0	
Bromoform	ND		2.0	
Styrene	ND		2.0	
1,1,2,2-Tetrachloroethane	ND		2.0	
Xylenes, total	ND		2.0	
1,2,3-Trichloropropane	ND		2.0	
Isopropylbenzene	ND		2.0	
Bromobenzene	ND		2.0	

Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/06/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	5.00
Client Sample ID:	**X122**	Lab Sample ID:	**S806749-03**
Matrix:	Soil	Collected By: TW	Date/Time Collected: 06/06/08 10:20
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Analyzed:	06/18/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Chloromethane	ND		2.0	
Vinyl chloride	ND		2.0	
Bromomethane	ND		2.0	
Chloroethane	ND		2.0	
Trichlorofluoromethane	ND		2.0	
Acetone	ND		10	
1,1-Dichloroethene	ND		2.0	
Methylene chloride	ND		5.0	
Carbon disulfide	ND		2.0	
trans-1,2-Dichloroethene	ND		2.0	
Methyl tert-butyl ether	ND		2.0	
1,1-Dichloroethane	ND		2.0	
2-Butanone (MEK)	ND		10	
cis-1,2-Dichloroethene	ND		2.0	
Bromochloromethane	ND		2.0	
Chloroform	ND		2.0	
2,2-Dichloropropane	ND		2.0	
1,2-Dichloroethane	ND		2.0	
1,1,1-Trichloroethane	ND		2.0	
1,1-Dichloropropene	ND		2.0	
Carbon tetrachloride	ND		2.0	
Benzene	ND		2.0	
Dibromomethane	ND		2.0	
1,2-Dichloropropane	ND		2.0	

`A Laboratory

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Reported:
07/03/08 17:05

Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/06/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	5.00

Client Sample ID:	**X122**	Lab Sample ID:	**S806749-03**
Matrix: Soil	Collected By: TW	Date/Time Collected:	06/06/08 10:20
Sample Type:	Sample Depth: 0 Feet	Total Depth:	Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Analyzed:	06/18/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Trichloroethene	ND		2.0	
Bromodichloromethane	ND		2.0	
1,3-Dichloropropene	ND		2.0	
4-Methyl-2-pentanone (MIBK)	ND		2.0	
trans-1,3-Dichloropropene	ND		2.0	
1,1,2-Trichloroethane	ND		2.0	
Toluene	ND		2.0	
1,3-Dichloropropane	ND		2.0	
2-Hexanone (MBK)	ND		2.0	
Dibromochloromethane	ND		2.0	
1,2-Dibromoethane	ND		2.0	
Tetrachloroethene	**5.0**		2.0	
1,1,1,2-Tetrachloroethane	ND		2.0	
Chlorobenzene	ND		2.0	
Ethylbenzene	ND		2.0	
Bromoform	ND		2.0	
Styrene	ND		2.0	
1,1,2,2-Tetrachloroethane	ND		2.0	
Xylenes, total	ND		2.0	
1,2,3-Trichloropropane	ND		2.0	
Isopropylbenzene	ND		2.0	
Bromobenzene	ND		2.0	

`A Laboratory

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Reported:
07/03/08 17:05

Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/06/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	5.00

Client Sample ID:	**G106**	Lab Sample ID:	**S806749-04**
Matrix:	Water	Collected By: TW	Date/Time Collected: 06/06/08 11:30
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Analyzed:	06/10/08
Units:	ug/L		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Chloromethane	ND	J1	2.0	
·yl chloride	ND	J1	2.0	
momethane	ND	J1, J5	2.0	
Chloroethane	**3.4**	J1	2.0	
Trichlorofluoromethane	ND	J1	2.0	
Acetone	ND	J1	10	
1,1-Dichloroethene	ND	J1	2.0	
Methylene chloride	ND	J1	5.0	
Carbon disulfide	ND	J1	2.0	
trans-1,2-Dichloroethene	ND	J1	2.0	
Methyl tert-butyl ether	ND	J1	2.0	
1,1-Dichloroethane	ND	J1	2.0	
2-Butanone (MEK)	ND	J1	10	
cis-1,2-Dichloroethene	ND	J1	2.0	
Bromochloromethane	ND	J1	2.0	
Chloroform	ND	J1	2.0	
2,2-Dichloropropane	ND	J1	2.0	
1,2-Dichloroethane	ND		2.0	
1,1,1-Trichloroethane	ND		2.0	
1,1-Dichloropropene	ND		2.0	
Carbon tetrachloride	ND		2.0	
Benzene	**370**	Q	2.0	
Dibromomethane	ND		2.0	
1,2-Dichloropropane	**3.9**		2.0	

A Laboratory

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Reported:
07/03/08 17:05

Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/06/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	5.00
Client Sample ID:	**G106**	Lab Sample ID:	**S806749-04**
Matrix:	Water	Collected By: TW	Date/Time Collected: 06/06/08 11:30
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Analyzed:	06/10/08
Units:	ug/L		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Trichloroethene	ND		2.0	
Bromodichloromethane	ND		2.0	
1,3-Dichloropropene	ND		2.0	
4-Methyl-2-pentanone (MIBK)	ND		2.0	
trans-1,3-Dichloropropene	ND		2.0	
1,1,2-Trichloroethane	ND		2.0	
Toluene	ND		2.0	
1,3-Dichloropropane	ND		2.0	
2-Hexanone (MBK)	ND		2.0	
Dibromochloromethane	ND		2.0	
1,2-Dibromoethane	ND		2.0	
Tetrachloroethene	ND		2.0	
1,1,1,2-Tetrachloroethane	ND		2.0	
Chlorobenzene	ND		2.0	
Ethylbenzene	**8.7**		2.0	
Bromoform	ND		2.0	
Styrene	ND		2.0	
1,1,2,2-Tetrachloroethane	ND		2.0	
Xylenes, total	**31**		2.0	
1,2,3-Trichloropropane	ND		2.0	
Isopropylbenzene	**13**		2.0	
Bromobenzene	ND		2.0	

`A Laboratory

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Reported:
07/03/08 17:05

Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	**NORTH CHICAGO**		
Project/Facility Number:	0971255020	Date Received :	06/06/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	5.00

Notes and Definitions

Q	Holding time exceeded.
J5	Blank spike failed high, result was non-detect - impact on data may be minimal.
J1	Surrogate compound recovery limits have not been met.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
*	Non-NELAP accredited

S806749-02 & S806749-04: Insufficient sample volume received to perform a matrix spike and duplicate for Method 8082. Therefore, NELAC and method requirements were not met.

Method 8270 samples S806749-03 and -04: Tentatively Identified Compounds (TICs) were detected in the semivolatile analysis. Please contact the laboratory if additional information about the TICs is needed.

Method 8260 sample S806749-01: This Trip Blank was riginally analyzed on 06-10-08 but had carryover contamination from a previous run of high level sample. It's reanalyzed on 07-02-08 and it is contamination free.

Method 8260 sample S806749-04: Tentatively Identified Compounds (TICs) were detected in the volatile analysis. Please contact the laboratory if additional information about the TICs is needed.

A Laboratory
ort Authorized by:

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. Test results meet all requirements of NELAC.

Reported:
07/03/08 17:05

8-38395

4082
80

Illinois Environmental Protection Agency Chain of Custody

Preservative Codes	Container Description: Soil	Container Description: Aqueous
1. None		
2. VOA - HCl	VOC - 2 oz. glass (2)	VOC - 40 mL glass (3)
3. Metals - HNO3	SVOC - 8 oz. glass (1)	SVOC, Pest/PCB - 40 oz amber glass (1)*
4. Cyanide - NaOH	Pest/PCB - 8 oz. glass (1)	
5. Other:	Inorganics - 16 oz. glass (1)	Inorganics - 1 qt. plastic (1)
6. Other		* duplicate 1 out of 10

Fund:	LPC#:	Locality:	Cooler Initially Sealed By:	Date Initially Sealed
PR50	0971255020		MPS	5-24-08
Section:	Site Name: North Chicago	Project Manager: Jim Salch	Phone Number: 217-785-8726	Initial Cooler Seal # 011

(a.k.a Chemical Packing)

SF/tech

Lab Sample No	VOC	SVOC	PCB	Pesticide	pH	DW		Field Sample Number	Matrix	No. of Bottles	Date Collected	Time Collected (24 hr clock)	Sampler's Initials	Special Notations	Legal Hold Y or N
S807802-01	✓							MW-101	Water	2	6-25-08	9:15	JW		
S807802-02	✓							MW-102	Water	2	6-25-08	10:25	JW		
S807802-03	✓	✓	✓	✓				MW-103	Water	8	6-25-08	12:00	JW	MS/MSD	
S807802-04	✓							MW-104	Water	2	6-25-08	9:40	JW		
S807802-05	✓							TB-110	Water	2	6-25-08	13:00	JW		
S807802-06		✓	✓	✓	✓			MW-101	Soil	1	6-25-08	11:45	JA		
S807802-07	✓	✓			✓	✓		MW-104	Soil	3	6-25-08	9:30	JA		
S807802-08		✓	✓	✓	✓			X-130R	Soil	1	6-25-08	10:15	JA		

BLANK

COPY

RECEIVED
JUL 24 2008
IEPA-BOL-FSRS

Opener: I certify that I received the sample shipping container with the shipping container sealed and intact.

Cooler Opened by:	Seal No:	Date:	Time:	Intact
James M. Salch	011	6/23/08	08:00	(Y)N
				Y-N

Sealer: I certify that the samples listed above were collected in my presence and sealed by me.

Cooler Sealed By:	Seal No.:	Date:	Time:
James M. Salch	034	6-25-08	15:30

I certify that I received the cooler containing the above samples with the seal(s) intact.

Received for Lab by:	Seal No:	Date:	Time:	Intact:
SCOTT CLARK	34	6/26	930	(Y)N

Sample Courier: UPS

Turnaround Time Requested: 30 Days

Samplers: Jerry Willman, Jim Salch

Lab Comments:

Supervisor Releasing Results: [signature] Date: 7/23/08

Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/26/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00

Client Sample ID:	**MW-101**	Lab Sample ID:	**S807802-01**
Matrix:	Water	Collected By: JW	Date/Time Collected: 06/25/08 9:15
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Analyzed:	07/09/08
Units:	ug/L		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Chloromethane	ND		2.0	
yl chloride	ND		2.0	
momethane	ND		2.0	
Chloroethane	ND		2.0	
Trichlorofluoromethane	ND		2.0	
Acetone	ND		10	
1,1-Dichloroethene	ND		2.0	
Methylene chloride	ND		5.0	
Carbon disulfide	ND		2.0	
trans-1,2-Dichloroethene	ND		2.0	
Methyl tert-butyl ether	ND		2.0	
1,1-Dichloroethane	ND		2.0	
2-Butanone (MEK)	ND		10	
cis-1,2-Dichloroethene	ND		2.0	
Bromochloromethane	ND		2.0	
Chloroform	ND		2.0	
2,2-Dichloropropane	ND		2.0	
1,2-Dichloroethane	ND		2.0	
1,1,1-Trichloroethane	ND		2.0	
1,1-Dichloropropene	ND		2.0	
Carbon tetrachloride	ND		2.0	
Benzene	ND		2.0	
Dibromomethane	ND		2.0	
1,2-Dichloropropane	ND		2.0	

A Laboratory

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. Test results meet all requirements of NELAC.

Reported:
07/22/08 14:31

Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/26/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**MW-101**	Lab Sample ID:	**S807802-01**
Matrix:	Water	Collected By: JW	Date/Time Collected: 06/25/08 9:15
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Analyzed:	07/09/08
Units:	ug/L		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Trichloroethene	ND		2.0	
modichloromethane	ND		2.0	
1,3-Dichloropropene	ND		2.0	
4-Methyl-2-pentanone (MIBK)	ND		2.0	
trans-1,3-Dichloropropene	ND		2.0	
1,1,2-Trichloroethane	ND		2.0	
Toluene	**2.3**		2.0	
1,3-Dichloropropane	ND		2.0	
2-Hexanone (MBK)	ND		2.0	
Dibromochloromethane	ND		2.0	
1,2-Dibromoethane	ND		2.0	
Tetrachloroethene	ND		2.0	
1,1,1,2-Tetrachloroethane	ND		2.0	
Chlorobenzene	ND		2.0	
Ethylbenzene	ND		2.0	
Bromoform	ND		2.0	
Styrene	ND		2.0	
1,1,2,2-Tetrachloroethane	ND		2.0	
Xylenes, total	ND		2.0	
1,2,3-Trichloropropane	ND		2.0	
Isopropylbenzene	ND		2.0	
Bromobenzene	ND		2.0	

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Reported:
07/22/08 14:31

Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/26/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**MW-102**	Lab Sample ID:	**S807802-02**
Matrix:	Water	Collected By: JW	Date/Time Collected: 06/25/08 10:25
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Analyzed: 07/09/08

Units: ug/L

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Chloromethane	ND		2.0	
yl chloride	ND		2.0	
omomethane	ND		2.0	
Chloroethane	ND		2.0	
Trichlorofluoromethane	ND		2.0	
Acetone	ND		10	
1,1-Dichloroethene	ND		2.0	
Methylene chloride	ND		5.0	
Carbon disulfide	ND		2.0	
trans-1,2-Dichloroethene	ND		2.0	
Methyl tert-butyl ether	ND		2.0	
1,1-Dichloroethane	ND		2.0	
2-Butanone (MEK)	ND		10	
cis-1,2-Dichloroethene	**3.3**		2.0	
Bromochloromethane	ND		2.0	
Chloroform	ND		2.0	
2,2-Dichloropropane	ND		2.0	
1,2-Dichloroethane	ND		2.0	
1,1,1-Trichloroethane	ND		2.0	
1,1-Dichloropropene	ND		2.0	
Carbon tetrachloride	ND		2.0	
Benzene	**68**		2.0	
Dibromomethane	ND		2.0	
1,2-Dichloropropane	ND		2.0	

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Illinois Environmental Protection Agency Laboratory

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/26/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**MW-102**	Lab Sample ID:	**S807802-02**
Matrix:	Water	Collected By: JW	Date/Time Collected: 06/25/08 10:25
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Analyzed: 07/09/08

Units: ug/L

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Trichloroethene	**5.0**		2.0	
modichloromethane	ND		2.0	
1,3-Dichloropropene	ND		2.0	
4-Methyl-2-pentanone (MIBK)	**13**		2.0	
trans-1,3-Dichloropropene	ND		2.0	
1,1,2-Trichloroethane	ND		2.0	
Toluene	**3600**	Q	2.0	
1,3-Dichloropropane	ND		2.0	
2-Hexanone (MBK)	ND		2.0	
Dibromochloromethane	ND		2.0	
1,2-Dibromoethane	ND		2.0	
Tetrachloroethene	**4.2**		2.0	
1,1,1,2-Tetrachloroethane	ND		2.0	
Chlorobenzene	ND		2.0	
Ethylbenzene	**230**		2.0	
Bromoform	ND		2.0	
Styrene	ND		2.0	
1,1,2,2-Tetrachloroethane	ND		2.0	
Xylenes, total	**1500**	Q	2.0	
1,2,3-Trichloropropane	ND		2.0	
Isopropylbenzene	**50**		2.0	
Bromobenzene	ND		2.0	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/26/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00

Client Sample ID:	**MW-103 MS/MSD**	Lab Sample ID:	**S807802-03**
Matrix:	Water	Collected By: JW	Date/Time Collected: 06/25/08 12:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Pesticides/PCBs by ECD

Method: 8081/8082 Analyzed: 07/08/08

Units: ug/L

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
alpha-BHC	ND		0.050	
-BHC	ND		0.050	
a-BHC	ND		0.050	
gamma-BHC	ND		0.050	
Heptachlor	ND		0.050	
Aldrin	ND		0.050	
Heptachlor epoxide	ND		0.050	
Endosulfan I	ND		0.050	
Dieldrin	ND		0.10	
p,p'-DDE	ND		0.10	
Endrin	ND		0.10	
Endosulfan II	ND		0.10	
p,p'-DDD	ND		0.10	
Endosulfan sulfate	ND		0.10	
p,p'-DDT	ND		0.10	
Methoxychlor	ND		1.0	
Endrin ketone	ND		0.10	
Endrin aldehyde	ND		0.10	
alpha-Chlordane	ND		0.050	
gamma-Chlordane	ND		0.050	
Toxaphene	ND		3.0	
Aroclor 1016	ND	J5	0.50	
Aroclor 1221	ND		0.50	
Aroclor 1232	ND		0.50	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/26/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**MW-103 MS/MSD**	Lab Sample ID:	**S807802-03**
Matrix:	Water	Collected By: JW	Date/Time Collected: 06/25/08 12:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Pesticides/PCBs by ECD

Method: 8081/8082 Analyzed: 07/08/08

Units: ug/L

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Aroclor 1242	ND		0.50	
Aroclor 1248	ND		0.50	
Aroclor 1254	ND		0.50	
Aroclor 1260	ND		0.50	

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Analyzed: 07/09/08

Units: ug/L

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Chloromethane	ND		2.0	
Vinyl chloride	ND		2.0	
Bromomethane	ND		2.0	
Chloroethane	ND		2.0	
Trichlorofluoromethane	ND		2.0	
Acetone	ND		10	
1,1-Dichloroethene	ND		2.0	
Methylene chloride	ND		5.0	
Carbon disulfide	ND		2.0	
trans-1,2-Dichloroethene	ND		2.0	
Methyl tert-butyl ether	ND		2.0	
1,1-Dichloroethane	ND		2.0	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/26/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**MW-103 MS/MSD**	Lab Sample ID:	**S807802-03**
Matrix:	Water	Collected By: JW	Date/Time Collected: 06/25/08 12:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Analyzed: 07/09/08

Units: ug/L

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
2-Butanone (MEK)	ND		10	
1,2-Dichloroethene	ND		2.0	
omochloromethane	ND		2.0	
Chloroform	ND		2.0	
2,2-Dichloropropane	ND		2.0	
1,2-Dichloroethane	ND		2.0	
1,1,1-Trichloroethane	ND		2.0	
1,1-Dichloropropene	ND		2.0	
Carbon tetrachloride	ND		2.0	
Benzene	ND		2.0	
Dibromomethane	ND		2.0	
1,2-Dichloropropane	ND		2.0	
Trichloroethene	ND		2.0	
Bromodichloromethane	ND		2.0	
cis-1,3-Dichloropropene	ND		2.0	
4-Methyl-2-pentanone (MIBK)	ND		2.0	
trans-1,3-Dichloropropene	ND		2.0	
1,1,2-Trichloroethane	ND		2.0	
Toluene	ND		2.0	
1,3-Dichloropropane	ND		2.0	
2-Hexanone (MBK)	ND		2.0	
Dibromochloromethane	ND		2.0	
1,2-Dibromoethane	ND		2.0	
Tetrachloroethene	ND		2.0	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/26/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**MW-103 MS/MSD**	Lab Sample ID:	**S807802-03**
Matrix:	Water	Collected By: JW	Date/Time Collected: 06/25/08 12:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Analyzed: 07/09/08

Units: ug/L

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
1,1,1,2-Tetrachloroethane	ND		2.0	
lorobenzene	ND		2.0	
ylbenzene	ND		2.0	
Bromoform	ND		2.0	
Styrene	ND		2.0	
1,1,2,2-Tetrachloroethane	ND		2.0	
Xylenes, total	ND		2.0	
1,2,3-Trichloropropane	ND		2.0	
Isopropylbenzene	ND		2.0	
Bromobenzene	ND		2.0	

Semivolatiles by GC/MS

Method: 8270 Analyzed: 07/01/08

Units: ug/L

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Pyridine	ND		1.5	
2-Picoline	ND		1.5	
Methyl methanesulfonate	ND		1.5	
Ethyl methanesulfonate	ND		1.5	
Phenol	ND		1.5	
Bis(2-chloroethyl)ether	ND		1.5	

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Illinois Environmental Protection Agency Laboratory

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/26/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**MW-103 MS/MSD**	Lab Sample ID:	**S807802-03**
Matrix:	Water	Collected By: JW	Date/Time Collected: 06/25/08 12:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method: 8270 Analyzed: 07/01/08

Units: ug/L

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
2-Chlorophenol	ND		1.5	
`-Dichlorobenzene	ND		1.5	
-Dichlorobenzene	ND		1.5	
1,2-Dichlorobenzene	ND		1.5	
2-Methylphenol	ND		1.5	
2,2'-Oxybis(1-chloropropane)	ND		1.5	
Acetophenone	ND		1.5	
4-Methylphenol	ND		1.5	
N-Nitrosodi-n-propylamine	ND		1.5	
Hexachloroethane	ND		1.5	
Nitrobenzene	ND		1.5	
N-Nitrosopiperidine	ND		1.5	
Isophorone	ND		1.5	
2-Nitrophenol	ND		1.5	
2,4-Dimethylphenol	ND		1.5	
Bis(2-chloroethoxy)methane	ND		1.5	
2,4-Dichlorophenol	ND		1.5	
1,2,4-Trichlorobenzene	ND		1.5	
Naphthalene	ND		1.5	
4-Chloroaniline	ND	J5	1.5	
2,6-Dichlorophenol	ND		1.5	
Hexachloropropene	ND		1.5	
Hexachlorobutadiene	ND		1.5	
N-Nitrosodi-n-butylamine	ND		1.5	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/26/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**MW-103 MS/MSD**	Lab Sample ID:	**S807802-03**
Matrix:	Water	Collected By: JW	Date/Time Collected: 06/25/08 12:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method: 8270 Analyzed: 07/01/08

Units: ug/L

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
4-Chloro-3-methylphenol	ND		1.5	
safrole	ND		1.5	
Methylnaphthalene	ND		1.5	
1,2,4,5-Tetrachlorobenzene	ND		1.5	
Hexachlorocyclopentadiene	ND		1.5	
2,4,6-Trichlorophenol	ND		1.5	
2,4,5-Trichlorophenol	ND		1.5	
Safrole	ND		1.5	
2-Chloronaphthalene	ND		1.5	
1-Chloronaphthalene	ND		1.5	
2-Nitroaniline	ND		1.5	
1,4-Dinitrobenzene	ND		1.5	
Dimethylphthalate	ND		1.5	
1,3-Dinitrobenzene	ND		1.5	
2,6-Dinitrotoluene	ND		1.5	
Acenaphthylene	ND		1.5	
1,2-Dinitrobenzene	ND		1.5	
3-Nitroaniline	ND		1.5	
Acenaphthene	ND		1.5	
2,4-Dinitrophenol	ND		5.0	
4-Nitrophenol	ND		1.5	
Dibenzofuran	ND		1.5	
2,4-Dinitrotoluene	ND		1.5	
Pentachlorobenzene	ND		1.5	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/26/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**MW-103 MS/MSD**	Lab Sample ID:	**S807802-03**
Matrix:	Water	Collected By: JW	Date/Time Collected: 06/25/08 12:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method: 8270 Analyzed: 07/01/08

Units: ug/L

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
1-Naphthylamine	ND	J5, J3	1.5	
laphthylamine	ND		1.5	
,4,6-Tetrachlorophenol	ND		1.5	
Diethylphthalate	ND		1.5	
4-Chlorophenyl phenyl ether	ND		1.5	
Fluorene	ND		1.5	
4-Nitroaniline	ND		1.5	
4,6-Dinitro-2-methylphenol	ND		1.5	
Diphenylamine	ND		1.5	
Azobenzene *	ND		1.5	
Phenacetin	ND		1.5	
4-Bromophenyl phenyl ether	ND		1.5	
Hexachlorobenzene	ND		1.5	
Pentachlorophenol	ND		1.5	
Pronamide	ND		1.5	
Pentachloronitrobenzene	ND		1.5	
Phenanthrene	ND		1.5	
Anthracene	ND		1.5	
Carbazole	ND		1.5	
4-Nitrobiphenyl	ND		1.5	
Di-n-butylphthalate	ND		1.5	
5-Nitroacenaphthene	ND		1.5	
Isodrin	ND		1.5	
Fluoranthene	ND		1.5	

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Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/26/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**MW-103 MS/MSD**	Lab Sample ID:	**S807802-03**
Matrix:	Water	Collected By: JW	Date/Time Collected: 06/25/08 12:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method: 8270 Analyzed: 07/01/08

Units: ug/L

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Pyrene	ND		1.5	
imethylaminoazobenzene	ND		1.5	
yl benzyl phthalate	ND		1.5	
3,3'-Dichlorobenzidine	ND		1.5	
Benzo(a)anthracene	ND		1.5	
Chrysene	ND		1.5	
Bis(2-ethylhexyl)phthalate	ND		1.5	
Mestranol	ND		1.5	
Di-n-octylphthalate	ND		1.5	
Benzo(b)fluoranthene	ND		1.5	
7,12-Dimethylbenzo(a)anthracene	ND		1.5	
Benzo(k)fluoranthene	ND		1.5	
Benzo(a)pyrene	ND		1.5	
Indeno(1,2,3-cd)pyrene	ND		1.5	
Dibenzo(a,h)anthracene	ND		1.5	
Benzo(ghi)perylene	ND	J3	1.5	

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Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/26/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**MW-104**	Lab Sample ID:	**S807802-04**
Matrix:	Water	Collected By: JW	Date/Time Collected: 06/25/08 9:40
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Analyzed:	07/09/08
Units:	ug/L		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Chloromethane	ND		2.0	
yl chloride	ND		2.0	
momethane	ND		2.0	
Chloroethane	ND		2.0	
Trichlorofluoromethane	ND		2.0	
Acetone	ND		10	
1,1-Dichloroethene	ND		2.0	
Methylene chloride	ND		5.0	
Carbon disulfide	ND		2.0	
trans-1,2-Dichloroethene	ND		2.0	
Methyl tert-butyl ether	ND		2.0	
1,1-Dichloroethane	ND		2.0	
2-Butanone (MEK)	ND		10	
cis-1,2-Dichloroethene	ND		2.0	
Bromochloromethane	ND		2.0	
Chloroform	ND		2.0	
2,2-Dichloropropane	ND		2.0	
1,2-Dichloroethane	ND		2.0	
1,1,1-Trichloroethane	ND		2.0	
1,1-Dichloropropene	ND		2.0	
Carbon tetrachloride	ND		2.0	
Benzene	ND		2.0	
Dibromomethane	ND		2.0	
1,2-Dichloropropane	ND		2.0	

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Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/26/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**MW-104**	Lab Sample ID:	**S807802-04**
Matrix:	Water	Collected By: JW	Date/Time Collected: 06/25/08 9:40
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Analyzed: 07/09/08

Units: ug/L

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Trichloroethene	ND		2.0	
modichloromethane	ND		2.0	
1,3-Dichloropropene	ND		2.0	
4-Methyl-2-pentanone (MIBK)	ND		2.0	
trans-1,3-Dichloropropene	ND		2.0	
1,1,2-Trichloroethane	ND		2.0	
Toluene	ND		2.0	
1,3-Dichloropropane	ND		2.0	
2-Hexanone (MBK)	ND		2.0	
Dibromochloromethane	ND		2.0	
1,2-Dibromoethane	ND		2.0	
Tetrachloroethene	ND		2.0	
1,1,1,2-Tetrachloroethane	ND		2.0	
Chlorobenzene	ND		2.0	
Ethylbenzene	ND		2.0	
Bromoform	ND		2.0	
Styrene	ND		2.0	
1,1,2,2-Tetrachloroethane	ND		2.0	
Xylenes, total	ND		2.0	
1,2,3-Trichloropropane	ND		2.0	
Isopropylbenzene	ND		2.0	
Bromobenzene	ND		2.0	

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Reported:
07/22/08 14:31

Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/26/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**MW-101**	Lab Sample ID:	**S807802-05**
Matrix:	Soil	Collected By: JS	Date/Time Collected: 06/25/08 11:45
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Pesticides/PCBs by ECD

Method: 8081/8082 Analyzed: 07/03/08

Units: ug/kg dry

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
alpha-BHC	ND	J3	5.4	
'a-BHC	ND		5.4	
ta-BHC	ND		5.4	
gamma-BHC	ND		5.4	
Heptachlor	ND		5.4	
Aldrin	ND		5.4	
Heptachlor epoxide	ND		5.4	
Endosulfan I	ND		5.4	
Dieldrin	ND		5.4	
p,p'-DDE	**7.1**		5.4	
Endrin	**31**	J3	5.4	
Endosulfan II	**6.2**		5.4	
p,p'-DDD	**11**		5.4	
Endosulfan sulfate	ND		5.4	
p,p'-DDT	**19**		5.4	
Methoxychlor	ND	J3	27	
Endrin ketone	ND		5.4	
Endrin aldehyde	ND	J3	5.4	
alpha-Chlordane	ND		11	
gamma-Chlordane	ND		11	
Toxaphene	ND		110	
Aroclor 1016	ND		11	
Aroclor 1221	ND		11	
Aroclor 1232	ND		11	

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Funding Code:	PR50	Visit Number:	
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Client Sample ID:	**MW-101**	Lab Sample ID:	**S807802-05**
Matrix:	Soil	Collected By: JS	Date/Time Collected: 06/25/08 11:45
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Pesticides/PCBs by ECD

Method: 8081/8082 Analyzed: 07/03/08

Units: ug/kg dry

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Aroclor 1242	ND		11	
clor 1248	ND		11	
clor 1254	**220**		11	
Aroclor 1260	ND		11	

Semivolatiles by GC/MS

Method: 8270 Analyzed: 07/16/08

Units: ug/kg dry

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Pyridine	ND		54	
2-Picoline	ND		54	
Methyl methanesulfonate	ND		54	
Ethyl methanesulfonate	ND		54	
Phenol	ND		54	
Bis(2-chloroethyl)ether	ND		54	
2-Chlorophenol	ND		54	
1,3-Dichlorobenzene	ND		54	
1,4-Dichlorobenzene	ND		54	
1,2-Dichlorobenzene	ND		54	
2-Methylphenol	ND		54	
2,2'-Oxybis(1-chloropropane)	ND		54	

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Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**MW-101**	Lab Sample ID:	**S807802-05**
Matrix:	Soil	Collected By: JS	Date/Time Collected: 06/25/08 11:45
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method: 8270 Analyzed: 07/16/08

Units: ug/kg dry

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Acetophenone	ND		54	
Methylphenol	ND		54	
Nitrosodi-n-propylamine	ND		54	
Hexachloroethane	ND		54	
Nitrobenzene	ND		54	
N-Nitrosopiperidine	ND		54	
Isophorone	ND		54	
2-Nitrophenol	ND		54	
2,4-Dimethylphenol	ND		54	
Bis(2-chloroethoxy)methane	ND		54	
2,4-Dichlorophenol	ND		54	
1,2,4-Trichlorobenzene	ND		54	
Naphthalene	**180**		54	
4-Chloroaniline	ND		54	
2,6-Dichlorophenol	ND		54	
Hexachloropropene	ND		54	
Hexachlorobutadiene	ND		54	
N-Nitrosodi-n-butylamine	ND		54	
4-Chloro-3-methylphenol	ND		54	
Isosafrole	ND		54	
2-Methylnaphthalene	**410**		54	
1,2,4,5-Tetrachlorobenzene	ND		54	
Hexachlorocyclopentadiene	ND		180	
2,4,6-Trichlorophenol	ND		54	

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Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method: 8270 Analyzed: 07/16/08

Units: ug/kg dry

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
2,4,5-Trichlorophenol	ND		54	
role	ND		54	
hloronaphthalene	ND		54	
1-Chloronaphthalene	ND		54	
2-Nitroaniline	ND		54	
1,4-Dinitrobenzene	ND		54	
Dimethylphthalate	ND		54	
1,3-Dinitrobenzene	ND		54	
2,6-Dinitrotoluene	ND		54	
Acenaphthylene	ND		54	
1,2-Dinitrobenzene	ND		54	
3-Nitroaniline	ND		54	
Acenaphthene	ND		54	
2,4-Dinitrophenol	ND		180	
4-Nitrophenol	ND		54	
Dibenzofuran	**130**		54	
2,4-Dinitrotoluene	ND		54	
Pentachlorobenzene	ND		54	
1-Naphthylamine	ND		180	
2-Naphthylamine	ND		54	
2,3,4,6-Tetrachlorophenol	ND		54	
Diethylphthalate	ND		54	
4-Chlorophenyl phenyl ether	ND		54	
Fluorene	**83**		54	

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Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/26/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**MW-101**	Lab Sample ID:	**S807802-05**
Matrix:	Soil	Collected By: JS	Date/Time Collected: 06/25/08 11:45
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method: 8270 Analyzed: 07/16/08

Units: ug/kg dry

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
4-Nitroaniline	ND		54	
-Dinitro-2-methylphenol	ND		350	
henylamine	ND		54	
Azobenzene *	ND		54	
Phenacetin	ND		54	
4-Bromophenyl phenyl ether	ND		54	
Hexachlorobenzene	ND		54	
Pentachlorophenol	ND		540	
Pronamide	ND		54	
Pentachloronitrobenzene	ND		54	
Phenanthrene	**870**		54	
Anthracene	**120**		54	
Carbazole	ND		54	
4-Nitrobiphenyl	ND		54	
Di-n-butylphthalate	**92**	J6, V	54	
5-Nitroacenaphthene	ND		54	
Isodrin	ND		54	
Fluoranthene	**390**		54	
Pyrene	**1400**	J2	54	
p-Dimethylaminoazobenzene	ND	J2	54	
Butyl benzyl phthalate	ND	J2	54	
3,3'-Dichlorobenzidine	ND	J2	54	
Benzo(a)anthracene	**250**	J2	54	
Chrysene	**390**	J2	54	

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Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**MW-101**	Lab Sample ID:	**S807802-05**
Matrix:	Soil	Collected By: JS	Date/Time Collected: 06/25/08 11:45
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method: 8270 Analyzed: 07/16/08

Units: ug/kg dry

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Bis(2-ethylhexyl)phthalate	ND	J2	180	
stranol	ND	J2	54	
n-octylphthalate	ND	J2	54	
Benzo(b)fluoranthene	**390**	J2	54	
7,12-Dimethylbenzo(a)anthracene	ND	J5, J2	54	
Benzo(k)fluoranthene	**280**	J2	54	
Benzo(a)pyrene	**440**	J2	54	
Indeno(1,2,3-cd)pyrene	**260**	J2	54	
Dibenzo(a,h)anthracene	**69**	J2	54	
Benzo(ghi)perylene	**530**	J2	54	

pH *

Method: 150.1 Analyzed: 07/02/08

Units: PH

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
pH	**7.70**		0.10	

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Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/26/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**MW-104**	Lab Sample ID:	**S807802-06**
Matrix:	Soil	Collected By: JS	Date/Time Collected: 06/25/08 9:30
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Analyzed: 06/26/08

Units: ug/kg dry

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Chloromethane	ND		2.1	
yl chloride	ND		2.1	
omomethane	ND		2.1	
Chloroethane	ND		2.1	
Trichlorofluoromethane	ND		2.1	
Acetone	ND		11	
1,1-Dichloroethene	ND		2.1	
Methylene chloride	ND		5.3	
Carbon disulfide	ND		2.1	
trans-1,2-Dichloroethene	ND		2.1	
Methyl tert-butyl ether	ND		2.1	
1,1-Dichloroethane	ND		2.1	
2-Butanone (MEK)	ND		11	
cis-1,2-Dichloroethene	ND		2.1	
Bromochloromethane	ND		2.1	
Chloroform	ND		2.1	
2,2-Dichloropropane	ND		2.1	
1,2-Dichloroethane	ND		2.1	
1,1,1-Trichloroethane	**11**		2.1	
1,1-Dichloropropene	ND		2.1	
Carbon tetrachloride	ND		2.1	
Benzene	ND		2.1	
Dibromomethane	ND		2.1	
1,2-Dichloropropane	ND		2.1	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/26/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**MW-104**	Lab Sample ID:	**S807802-06**
Matrix:	Soil	Collected By: JS	Date/Time Collected: 06/25/08 9:30
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Analyzed: 06/26/08

Units: ug/kg dry

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Trichloroethene	**14**		2.1	
modichloromethane	ND		2.1	
1,3-Dichloropropene	ND		2.1	
4-Methyl-2-pentanone (MIBK)	ND		2.1	
trans-1,3-Dichloropropene	ND		2.1	
1,1,2-Trichloroethane	ND		2.1	
Toluene	ND		2.1	
1,3-Dichloropropane	ND		2.1	
2-Hexanone (MBK)	ND		2.1	
Dibromochloromethane	ND		2.1	
1,2-Dibromoethane	ND		2.1	
Tetrachloroethene	ND		2.1	
1,1,1,2-Tetrachloroethane	ND		2.1	
Chlorobenzene	ND		2.1	
Ethylbenzene	ND		2.1	
Bromoform	ND		2.1	
Styrene	ND		2.1	
1,1,2,2-Tetrachloroethane	ND		2.1	
Xylenes, total	ND		2.1	
1,2,3-Trichloropropane	ND		2.1	
Isopropylbenzene	ND		2.1	
Bromobenzene	ND		2.1	

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Client Sample ID:	**MW-104**			Lab Sample ID:	**S807802-06**
Matrix:	Soil	Collected By:	JS	Date/Time Collected:	06/25/08 9:30
Sample Type:		Sample Depth:	0 Feet	Total Depth:	Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	07/15/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Pyridine	ND		54	
ᵓicoline	ND		54	
,thyl methanesulfonate	ND		54	
Ethyl methanesulfonate	ND		54	
Phenol	ND		54	
Bis(2-chloroethyl)ether	ND		54	
2-Chlorophenol	ND		54	
1,3-Dichlorobenzene	ND		54	
1,4-Dichlorobenzene	ND		54	
1,2-Dichlorobenzene	ND		54	
2-Methylphenol	ND		54	
2,2'-Oxybis(1-chloropropane)	ND		54	
Acetophenone	ND		54	
4-Methylphenol	ND		54	
N-Nitrosodi-n-propylamine	ND		54	
Hexachloroethane	ND		54	
Nitrobenzene	ND		54	
N-Nitrosopiperidine	ND	J3	54	
Isophorone	ND		54	
2-Nitrophenol	ND		54	
2,4-Dimethylphenol	ND		54	
Bis(2-chloroethoxy)methane	ND		54	
2,4-Dichlorophenol	ND		54	
1,2,4-Trichlorobenzene	ND		54	

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Trip ID:		Temperature C:	4.00
Client Sample ID:	**MW-104**	Lab Sample ID:	**S807802-06**
Matrix:	Soil	Collected By: JS	Date/Time Collected: 06/25/08 9:30
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	07/15/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Naphthalene	ND		54	
Chloroaniline	ND		54	
-Dichlorophenol	ND		54	
Hexachloropropene	ND		54	
Hexachlorobutadiene	ND		54	
N-Nitrosodi-n-butylamine	ND	J3	54	
4-Chloro-3-methylphenol	ND	J3	54	
Isosafrole	ND		54	
2-Methylnaphthalene	ND		54	
1,2,4,5-Tetrachlorobenzene	ND	J3	54	
Hexachlorocyclopentadiene	ND		190	
2,4,6-Trichlorophenol	ND	J3	54	
2,4,5-Trichlorophenol	ND	J3	54	
Safrole	ND	J3	54	
2-Chloronaphthalene	ND	J3	54	
1-Chloronaphthalene	ND	J3	54	
2-Nitroaniline	ND	J3	54	
1,4-Dinitrobenzene	ND		54	
Dimethylphthalate	ND	J3	54	
1,3-Dinitrobenzene	ND		54	
2,6-Dinitrotoluene	ND		54	
Acenaphthylene	ND		54	
1,2-Dinitrobenzene	ND		54	
3-Nitroaniline	ND		54	

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Matrix:	Soil	Collected By: JS	Date/Time Collected: 06/25/08 9:30
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method: 8270 Analyzed: 07/15/08

Units: ug/kg dry

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Acenaphthene	ND		54	
Dinitrophenol	ND		190	
itrophenol	ND		54	
Dibenzofuran	ND	J3	54	
2,4-Dinitrotoluene	ND	J3	54	
Pentachlorobenzene	ND	J3	54	
1-Naphthylamine	ND		190	
2-Naphthylamine	ND		54	
2,3,4,6-Tetrachlorophenol	ND		54	
Diethylphthalate	ND	J3	54	
4-Chlorophenyl phenyl ether	ND	J3	54	
Fluorene	ND	J3	54	
4-Nitroaniline	ND		54	
4,6-Dinitro-2-methylphenol	ND		360	
Diphenylamine	ND		54	
Azobenzene *	ND	J3	54	
Phenacetin	ND	J3	54	
4-Bromophenyl phenyl ether	ND	J3	54	
Hexachlorobenzene	ND	J3	54	
Pentachlorophenol	ND		540	
Pronamide	ND		54	
Pentachloronitrobenzene	ND		54	
Phenanthrene	ND		54	
Anthracene	ND	J3	54	

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Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**MW-104**	Lab Sample ID:	**S807802-06**
Matrix:	Soil	Collected By: JS	Date/Time Collected: 06/25/08 9:30
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method: 8270 Analyzed: 07/15/08

Units: ug/kg dry

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Carbazole	ND	J3	54	
Nitrobiphenyl	ND		54	
n-butylphthalate	**98**	J6, V	54	
5-Nitroacenaphthene	ND		54	
Isodrin	ND		54	
Fluoranthene	ND		54	
Pyrene	ND		54	
p-Dimethylaminoazobenzene	ND		54	
Butyl benzyl phthalate	ND		54	
3,3'-Dichlorobenzidine	ND		54	
Benzo(a)anthracene	ND		54	
Chrysene	ND		54	
Bis(2-ethylhexyl)phthalate	ND		190	
Mestranol	ND		54	
Di-n-octylphthalate	ND		54	
Benzo(b)fluoranthene	ND		54	
7,12-Dimethylbenzo(a)anthracene	ND	J5	54	
Benzo(k)fluoranthene	ND		54	
Benzo(a)pyrene	ND		54	
Indeno(1,2,3-cd)pyrene	ND		54	
Dibenzo(a,h)anthracene	ND		54	
Benzo(ghi)perylene	ND		54	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/26/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00

Client Sample ID:	**MW-104**	Lab Sample ID:	**S807802-06**
Matrix:	Soil	Collected By: JS	Date/Time Collected: 06/25/08 9:30
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

pH *

Method:	150.1	Analyzed:	07/02/08
Units:	PH		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
pH	**7.70**		0.10	

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Reported:
07/22/08 14:31

Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/26/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**X-130R**	Lab Sample ID:	**S807802-07**
Matrix:	Soil	Collected By: JS	Date/Time Collected: 06/25/08 10:15
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Pesticides/PCBs by ECD

Method:	8081/8082	Analyzed:	07/03/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
alpha-BHC	ND		6.9	
'a-BHC	ND		6.9	
ta-BHC	ND		6.9	
gamma-BHC	ND		6.9	
Heptachlor	ND		6.9	
Aldrin	ND		6.9	
Heptachlor epoxide	ND		6.9	
Endosulfan I	ND		6.9	
Dieldrin	ND		6.9	
p,p'-DDE	ND		6.9	
Endrin	**17**		6.9	
Endosulfan II	ND		6.9	
p,p'-DDD	ND		6.9	
Endosulfan sulfate	ND		6.9	
p,p'-DDT	**12**		6.9	
Methoxychlor	ND		35	
Endrin ketone	ND		6.9	
Endrin aldehyde	ND		6.9	
alpha-Chlordane	ND		14	
gamma-Chlordane	ND		14	
Toxaphene	ND		140	
Aroclor 1016	ND		14	
Aroclor 1221	ND		14	
Aroclor 1232	ND		14	

'A Laboratory

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Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/26/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**X-130R**	Lab Sample ID:	**S807802-07**
Matrix:	Soil	Collected By: JS	Date/Time Collected: 06/25/08 10:15
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Pesticides/PCBs by ECD

Method: 8081/8082 Analyzed: 07/03/08

Units: ug/kg dry

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Aroclor 1242	ND		14	
Aroclor 1248	ND		14	
Aroclor 1254	**100**		14	
Aroclor 1260	ND		14	

Semivolatiles by GC/MS

Method: 8270 Analyzed: 07/15/08

Units: ug/kg dry

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Pyridine	ND		69	
2-Picoline	ND		69	
Methyl methanesulfonate	ND		69	
Ethyl methanesulfonate	ND		69	
Phenol	ND		69	
Bis(2-chloroethyl)ether	ND		69	
2-Chlorophenol	ND		69	
1,3-Dichlorobenzene	ND		69	
1,4-Dichlorobenzene	ND		69	
1,2-Dichlorobenzene	ND		69	
2-Methylphenol	ND		69	
2,2'-Oxybis(1-chloropropane)	ND		69	

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Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/26/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**X-130R**	Lab Sample ID:	**S807802-07**
Matrix:	Soil	Collected By: JS	Date/Time Collected: 06/25/08 10:15
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method: 8270 Analyzed: 07/15/08

Units: ug/kg dry

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Acetophenone	ND		69	
Methylphenol	ND		69	
Nitrosodi-n-propylamine	ND		69	
Hexachloroethane	ND		69	
Nitrobenzene	ND		69	
N-Nitrosopiperidine	ND		69	
Isophorone	ND		69	
2-Nitrophenol	ND		69	
2,4-Dimethylphenol	ND		69	
Bis(2-chloroethoxy)methane	ND		69	
2,4-Dichlorophenol	ND		69	
1,2,4-Trichlorobenzene	ND		69	
Naphthalene	ND		69	
4-Chloroaniline	ND		69	
2,6-Dichlorophenol	ND		69	
Hexachloropropene	ND		69	
Hexachlorobutadiene	ND		69	
N-Nitrosodi-n-butylamine	ND		69	
4-Chloro-3-methylphenol	ND		69	
Isosafrole	ND		69	
2-Methylnaphthalene	ND		69	
1,2,4,5-Tetrachlorobenzene	ND		69	
Hexachlorocyclopentadiene	ND		240	
2,4,6-Trichlorophenol	ND		69	

A Laboratory

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/26/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00

Client Sample ID:	**X-130R**			Lab Sample ID:	**S807802-07**
Matrix:	Soil	Collected By:	JS	Date/Time Collected:	06/25/08 10:15
Sample Type:		Sample Depth:	0 Feet	Total Depth:	Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	07/15/08
Units:	ug/kg dry		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
2,4,5-Trichlorophenol	ND		69	
ole	ND		69	
hloronaphthalene	ND		69	
1-Chloronaphthalene	ND		69	
2-Nitroaniline	ND		69	
1,4-Dinitrobenzene	ND		69	
Dimethylphthalate	ND		69	
1,3-Dinitrobenzene	ND		69	
2,6-Dinitrotoluene	ND		69	
Acenaphthylene	ND		69	
1,2-Dinitrobenzene	ND		69	
3-Nitroaniline	ND		69	
Acenaphthene	ND		69	
2,4-Dinitrophenol	ND		240	
4-Nitrophenol	ND		69	
Dibenzofuran	ND		69	
2,4-Dinitrotoluene	ND		69	
Pentachlorobenzene	ND		69	
1-Naphthylamine	ND		240	
2-Naphthylamine	ND		69	
2,3,4,6-Tetrachlorophenol	ND		69	
Diethylphthalate	ND		69	
4-Chlorophenyl phenyl ether	ND		69	
Fluorene	ND		69	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/26/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**X-130R**	Lab Sample ID:	**S807802-07**
Matrix:	Soil	Collected By: JS	Date/Time Collected: 06/25/08 10:15
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method: 8270 Analyzed: 07/15/08

Units: ug/kg dry

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
4-Nitroaniline	ND		69	
-Dinitro-2-methylphenol	ND		460	
phenylamine	ND		69	
Azobenzene *	ND		69	
Phenacetin	ND		69	
4-Bromophenyl phenyl ether	ND		69	
Hexachlorobenzene	ND		69	
Pentachlorophenol	ND		690	
Pronamide	ND		69	
Pentachloronitrobenzene	ND		69	
Phenanthrene	ND		69	
Anthracene	ND		69	
Carbazole	ND		69	
4-Nitrobiphenyl	ND		69	
Di-n-butylphthalate	**220**	J6, V	69	
5-Nitroacenaphthene	ND		69	
Isodrin	ND		69	
Fluoranthene	ND		69	
Pyrene	ND		69	
p-Dimethylaminoazobenzene	ND		69	
Butyl benzyl phthalate	ND		69	
3,3'-Dichlorobenzidine	ND		69	
Benzo(a)anthracene	ND		69	
Chrysene	ND		69	

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Illinois Environmental Protection Agency Laboratory

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/26/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**X-130R**	Lab Sample ID:	**S807802-07**
Matrix:	Soil	Collected By: JS	Date/Time Collected: 06/25/08 10:15
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method: 8270 Analyzed: 07/15/08

Units: ug/kg dry

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Bis(2-ethylhexyl)phthalate	ND		240	
stranol	ND		69	
ı-octylphthalate	ND		69	
Benzo(b)fluoranthene	ND		69	
7,12-Dimethylbenzo(a)anthracene	ND	J5	69	
Benzo(k)fluoranthene	ND		69	
Benzo(a)pyrene	ND		69	
Indeno(1,2,3-cd)pyrene	ND		69	
Dibenzo(a,h)anthracene	ND		69	
Benzo(ghi)perylene	ND		69	

pH *

Method: 150.1 Analyzed: 07/02/08

Units: PH

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
pH	**7.80**		0.10	

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Illinois Environmental Protection Agency Laboratory

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/26/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**VOC TRIP BLANK**	Lab Sample ID:	**S807802-08**
Matrix:	Water	Collected By: NA	Date/Time Collected: 06/25/08 0:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Analyzed: 07/09/08

Units: ug/L

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Chloromethane	ND		2.0	
yl chloride	ND		2.0	
omomethane	ND		2.0	
Chloroethane	ND		2.0	
Trichlorofluoromethane	ND		2.0	
Acetone	ND		10	
1,1-Dichloroethene	ND		2.0	
Methylene chloride	ND		5.0	
Carbon disulfide	ND		2.0	
trans-1,2-Dichloroethene	ND		2.0	
Methyl tert-butyl ether	ND		2.0	
1,1-Dichloroethane	ND		2.0	
2-Butanone (MEK)	ND		10	
cis-1,2-Dichloroethene	ND		2.0	
Bromochloromethane	ND		2.0	
Chloroform	ND		2.0	
2,2-Dichloropropane	ND		2.0	
1,2-Dichloroethane	ND		2.0	
1,1,1-Trichloroethane	ND		2.0	
1,1-Dichloropropene	ND		2.0	
Carbon tetrachloride	ND		2.0	
Benzene	ND		2.0	
Dibromomethane	ND		2.0	
1,2-Dichloropropane	ND		2.0	

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07/22/08 14:31

Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/26/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	**VOC TRIP BLANK**	Lab Sample ID:	**S807802-08**
Matrix:	Water	Collected By: NA	Date/Time Collected: 06/25/08 0:00
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Analyzed:	07/09/08
Units:	ug/L		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Trichloroethene	ND		2.0	
ɔmodichloromethane	ND		2.0	
-1,3-Dichloropropene	ND		2.0	
4-Methyl-2-pentanone (MIBK)	ND		2.0	
trans-1,3-Dichloropropene	ND		2.0	
1,1,2-Trichloroethane	ND		2.0	
Toluene	ND		2.0	
1,3-Dichloropropane	ND		2.0	
2-Hexanone (MBK)	ND		2.0	
Dibromochloromethane	ND		2.0	
1,2-Dibromoethane	ND		2.0	
Tetrachloroethene	ND		2.0	
1,1,1,2-Tetrachloroethane	ND		2.0	
Chlorobenzene	ND		2.0	
Ethylbenzene	ND		2.0	
Bromoform	ND		2.0	
Styrene	ND		2.0	
1,1,2,2-Tetrachloroethane	ND		2.0	
Xylenes, total	ND		2.0	
1,2,3-Trichloropropane	ND		2.0	
Isopropylbenzene	ND		2.0	
Bromobenzene	ND		2.0	

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07/22/08 14:31

Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/26/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	4.00

Notes and Definitions

V	Indicates the analyte was detected in both the sample and the associated method blank and was outside method blank acceptance criteria.
Q	Holding time exceeded.
J6	Blank spike failed high - possible high bias or false positive result.
J5	Blank spike failed high, result was non-detect - impact on data may be minimal.
J3	The reported value failed to meet the established quality control criteria for either precision or accuracy possibly due to matrix effects.
J2	Internal Standard criteria was not met.
ND	Analyte NOT DETECTED at or above the reporting limit
	Not Reported
*	Non-NELAP accredited

Method 8260 samples S807802-01 and -02: Tentatively Identified Compounds (TICs) were detected in the volatile analysis. Please contact the laboratory if additional information about the TICs is needed.

Method 8270 samples S807802-03, -05, -06, and -07: Tentatively Identified Compounds (TICs) were detected in the semivolatile analysis. Please contact the laboratory if additional information about the TICs is needed.

A Laboratory

Report Authorized by:

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Reported:
07/22/08 14:31

08-38395

Illinois Environmental Protection Agency Chain of Custody

Preservative Codes	Container Description: Soil	Container Description: Aqueous
1. None		
2. VOA - HCl	VOC - 2 oz. glass (2)	VOC - 40 mL glass (3)
3. Metals - HNO3	SVOC - 8 oz. glass (1)	SVOC, Pest/PCB - 40 oz amber glass (1)*
4. Cyanide - NaOH	Pest/PCB - 8 oz. glass (1)	
5. Other:	Inorganics - 16 oz. glass (1)	Inorganics - 1 qt. plastic (1)
6. Other		* duplicate 1 out of 10

Fund:	LPC#:	Locality:	Cooler Initially Sealed By:	Date Initially Sealed
PR50	0971255020		[signature]	5-24-08
Section:	**Site Name:**	**Project Manager:**	**Phone Number:**	**Initial Cooler Seal #**
	North Chicago	Jim Salch	217-785-8726	001

(a.k.a Chemical Packing)

SF/Tech

Lab Sample No.	Parameter Group: SVOC	Pesticide	PCB					Field Sample Number	Matrix	No. of Bottles	Date Collected	Time Collected (24 hr clock)	Sampler's Initials	Special Notations	Legal Hold Y or N
5807804-01	✓	✓	✓					MW-101	Water	2	6-25-08	9:15	JW		
5807804-02	✓	✓	✓					MW-102	Water	2	6-25-08	10:25	JW		
5807804-03	✓	✓	✓					MW-104	Water	2	6-25-08	9:40	JW		

COPY

RECEIVED
JUL 24 2008
IEPA-BOL-FSRS

Opener: I certify that I received the sample shipping container with the shipping container sealed and intact.

Cooler Opened by:	Seal No:	Date:	Time:	Intact
James M. Salch	001	6-25-08	08:00	Y-N
				Y-N

Sealer : I certify that the samples listed above were collected in my presence and sealed by me.

Cooler Sealed By:	Seal No.:	Date:	Time:
James M. Salch	033	6-25-08	15:30

I certify that I received the cooler containing the above samples with the seal(s) intact.

Received for Lab by:	Seal No:	Date:	Time:	Intact:
SCOTT CLARK [signature]	033	6/26	1010	Y-N

Lab Comments:

Supervisor Releasing Results: [signature] Date: 7/22/08

Sample Courier: UPS

Turnaround Time Requested: 30 Day

Samplers: Jerry Willman

Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/26/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	5.00

Client Sample ID:	**MW-101**	Lab Sample ID:	**S807804-01**
Matrix:	Water	Collected By: JW	Date/Time Collected: 06/25/08 9:15
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Pesticides/PCBs by ECD

Method:	8081/8082	Analyzed:	07/08/08
Units:	ug/L		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
alpha-BHC	ND		0.050	
-BHC	ND		0.050	
a-BHC	ND		0.050	
gamma-BHC	ND		0.050	
Heptachlor	ND		0.050	
Aldrin	ND		0.050	
Heptachlor epoxide	ND		0.050	
Endosulfan I	ND		0.050	
Dieldrin	ND		0.10	
p,p'-DDE	ND		0.10	
Endrin	ND		0.10	
Endosulfan II	ND		0.10	
p,p'-DDD	ND		0.10	
Endosulfan sulfate	ND		0.10	
p,p'-DDT	ND		0.10	
Methoxychlor	ND		1.0	
Endrin ketone	ND		0.10	
Endrin aldehyde	ND		0.10	
alpha-Chlordane	ND		0.050	
gamma-Chlordane	ND		0.050	
Toxaphene	ND		3.0	
Aroclor 1016	ND	J5	0.50	
Aroclor 1221	ND		0.50	
Aroclor 1232	ND		0.50	

A Laboratory

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Reported:
07/22/08 14:50

Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/26/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	5.00
Client Sample ID:	**MW-101**	Lab Sample ID:	**S807804-01**
Matrix:	Water	Collected By: JW	Date/Time Collected: 06/25/08 9:15
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Pesticides/PCBs by ECD

Method: 8081/8082 Analyzed: 07/08/08

Units: ug/L

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Aroclor 1242	ND		0.50	
›clor 1248	ND		0.50	
ɔclor 1254	ND		0.50	
Aroclor 1260	ND		0.50	

Semivolatiles by GC/MS

Method: 8270 Analyzed: 07/01/08

Units: ug/L

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Pyridine	ND		1.5	
2-Picoline	ND		1.5	
Methyl methanesulfonate	ND		1.5	
Ethyl methanesulfonate	ND		1.5	
Phenol	ND		1.5	
Bis(2-chloroethyl)ether	ND		1.5	
2-Chlorophenol	ND		1.5	
1,3-Dichlorobenzene	ND		1.5	
1,4-Dichlorobenzene	ND		1.5	
1,2-Dichlorobenzene	ND		1.5	
2-Methylphenol	ND		1.5	
2,2'-Oxybis(1-chloropropane)	ND		1.5	

A Laboratory

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Reported:
07/22/08 14:50

Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/26/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	5.00
Client Sample ID:	**MW-101**	Lab Sample ID:	**S807804-01**
Matrix:	Water	Collected By: JW	Date/Time Collected: 06/25/08 9:15
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	07/01/08
Units:	ug/L		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Acetophenone	ND		1.5	
1ethylphenol	ND		1.5	
Nitrosodi-n-propylamine	ND		1.5	
Hexachloroethane	ND		1.5	
Nitrobenzene	ND		1.5	
N-Nitrosopiperidine	ND		1.5	
Isophorone	ND		1.5	
2-Nitrophenol	ND		1.5	
2,4-Dimethylphenol	ND		1.5	
Bis(2-chloroethoxy)methane	ND		1.5	
2,4-Dichlorophenol	ND		1.5	
1,2,4-Trichlorobenzene	ND		1.5	
Naphthalene	ND		1.5	
4-Chloroaniline	ND	J5	1.5	
2,6-Dichlorophenol	ND		1.5	
Hexachloropropene	ND		1.5	
Hexachlorobutadiene	ND		1.5	
N-Nitrosodi-n-butylamine	ND		1.5	
4-Chloro-3-methylphenol	ND		1.5	
Isosafrole	ND		1.5	
2-Methylnaphthalene	ND		1.5	
1,2,4,5-Tetrachlorobenzene	ND		1.5	
Hexachlorocyclopentadiene	ND		1.5	
2,4,6-Trichlorophenol	ND		1.5	

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Reported:
07/22/08 14:50

Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/26/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	5.00
Client Sample ID:	**MW-101**	Lab Sample ID:	**S807804-01**
Matrix:	Water	Collected By: JW	Date/Time Collected: 06/25/08 9:15
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method: 8270 Analyzed: 07/01/08

Units: ug/L

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
2,4,5-Trichlorophenol	ND		1.5	
ole	ND		1.5	
nloronaphthalene	ND		1.5	
1-Chloronaphthalene	ND		1.5	
2-Nitroaniline	ND		1.5	
1,4-Dinitrobenzene	ND		1.5	
Dimethylphthalate	ND		1.5	
1,3-Dinitrobenzene	ND		1.5	
2,6-Dinitrotoluene	ND		1.5	
Acenaphthylene	ND		1.5	
1,2-Dinitrobenzene	ND		1.5	
3-Nitroaniline	ND		1.5	
Acenaphthene	ND		1.5	
2,4-Dinitrophenol	ND		5.0	
4-Nitrophenol	ND		1.5	
Dibenzofuran	ND		1.5	
2,4-Dinitrotoluene	ND		1.5	
Pentachlorobenzene	ND		1.5	
1-Naphthylamine	ND	J5	1.5	
2-Naphthylamine	ND		1.5	
2,3,4,6-Tetrachlorophenol	ND		1.5	
Diethylphthalate	**1.5**		1.5	
4-Chlorophenyl phenyl ether	ND		1.5	
Fluorene	ND		1.5	

A Laboratory

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Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/26/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	5.00
Client Sample ID:	**MW-101**	Lab Sample ID:	**S807804-01**
Matrix:	Water	Collected By: JW	Date/Time Collected: 06/25/08 9:15
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	07/01/08
Units:	ug/L		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
4-Nitroaniline	ND		1.5	
Dinitro-2-methylphenol	ND		1.5	
henylamine	ND		1.5	
Azobenzene *	ND		1.5	
Phenacetin	ND		1.5	
4-Bromophenyl phenyl ether	ND		1.5	
Hexachlorobenzene	ND		1.5	
Pentachlorophenol	ND		1.5	
Pronamide	ND		1.5	
Pentachloronitrobenzene	ND		1.5	
Phenanthrene	ND		1.5	
Anthracene	ND		1.5	
Carbazole	ND		1.5	
4-Nitrobiphenyl	ND		1.5	
Di-n-butylphthalate	ND		1.5	
5-Nitroacenaphthene	ND		1.5	
Isodrin	ND		1.5	
Fluoranthene	ND		1.5	
Pyrene	ND		1.5	
p-Dimethylaminoazobenzene	ND		1.5	
Butyl benzyl phthalate	ND		1.5	
3,3'-Dichlorobenzidine	ND		1.5	
Benzo(a)anthracene	ND		1.5	
Chrysene	ND		1.5	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/26/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	5.00

Client Sample ID:	**MW-101**			Lab Sample ID:	**S807804-01**
Matrix:	Water	Collected By:	JW	Date/Time Collected:	06/25/08 9:15
Sample Type:		Sample Depth:	0 Feet	Total Depth:	Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	07/01/08
Units:	ug/L		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Bis(2-ethylhexyl)phthalate	ND		1.5	
stranol	ND		1.5	
n-octylphthalate	ND		1.5	
Benzo(b)fluoranthene	ND		1.5	
7,12-Dimethylbenzo(a)anthracene	ND		1.5	
Benzo(k)fluoranthene	ND		1.5	
Benzo(a)pyrene	ND		1.5	
Indeno(1,2,3-cd)pyrene	ND		1.5	
Dibenzo(a,h)anthracene	ND		1.5	
Benzo(ghi)perylene	ND		1.5	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/26/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	5.00

Client Sample ID:	**MW-102**			Lab Sample ID:	**S807804-02**
Matrix:	Water	Collected By:	JW	Date/Time Collected:	06/25/08 10:25
Sample Type:		Sample Depth:	0 Feet	Total Depth:	Feet

Pesticides/PCBs by ECD

Method:	8081/8082	Analyzed:	07/09/08
Units:	ug/L		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
alpha-BHC	ND		0.050	
β-BHC	ND		0.050	
δ-BHC	ND		0.050	
gamma-BHC	ND		0.050	
Heptachlor	ND		0.050	
Aldrin	ND		0.050	
Heptachlor epoxide	ND		0.050	
Endosulfan I	ND		0.050	
Dieldrin	ND		0.10	
p,p'-DDE	ND		0.10	
Endrin	ND		0.10	
Endosulfan II	ND		0.10	
p,p'-DDD	ND		0.10	
Endosulfan sulfate	ND		0.10	
p,p'-DDT	ND		0.10	
Methoxychlor	ND		1.0	
Endrin ketone	ND		0.10	
Endrin aldehyde	ND		0.10	
alpha-Chlordane	ND		0.050	
gamma-Chlordane	ND		0.050	
Toxaphene	ND		3.0	
Aroclor 1016	ND	J5	0.50	
Aroclor 1221	ND		0.50	
Aroclor 1232	ND		0.50	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/26/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	5.00
Client Sample ID:	**MW-102**	Lab Sample ID:	**S807804-02**
Matrix:	Water	Collected By: JW	Date/Time Collected: 06/25/08 10:25
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Pesticides/PCBs by ECD

Method: 8081/8082 Analyzed: 07/09/08

Units: ug/L

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Aroclor 1242	ND		0.50	
clor 1248	ND		0.50	
clor 1254	ND		0.50	
Aroclor 1260	ND		0.50	

Semivolatiles by GC/MS

Method: 8270 Analyzed: 07/01/08

Units: ug/L

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Pyridine	ND		1.5	
2-Picoline	ND		1.5	
Methyl methanesulfonate	ND		1.5	
Ethyl methanesulfonate	ND		1.5	
Phenol	ND		1.5	
Bis(2-chloroethyl)ether	ND		1.5	
2-Chlorophenol	ND		1.5	
1,3-Dichlorobenzene	ND		1.5	
1,4-Dichlorobenzene	ND		1.5	
1,2-Dichlorobenzene	ND		1.5	
2-Methylphenol	**11**		1.5	
2,2'-Oxybis(1-chloropropane)	ND		1.5	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/26/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	5.00
Client Sample ID:	**MW-102**	Lab Sample ID:	**S807804-02**
Matrix:	Water	Collected By: JW	Date/Time Collected: 06/25/08 10:25
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method: 8270 Analyzed: 07/01/08

Units: ug/L

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Acetophenone	ND		1.5	
Methylphenol	**22**		1.5	
Nitrosodi-n-propylamine	ND		1.5	
Hexachloroethane	ND		1.5	
Nitrobenzene	ND		1.5	
N-Nitrosopiperidine	ND		1.5	
Isophorone	ND		1.5	
2-Nitrophenol	ND		1.5	
2,4-Dimethylphenol	**5.8**		1.5	
Bis(2-chloroethoxy)methane	ND		1.5	
2,4-Dichlorophenol	ND		1.5	
1,2,4-Trichlorobenzene	ND		1.5	
Naphthalene	**28**		1.5	
4-Chloroaniline	ND	J5	1.5	
2,6-Dichlorophenol	ND		1.5	
Hexachloropropene	ND		1.5	
Hexachlorobutadiene	ND		1.5	
N-Nitrosodi-n-butylamine	ND		1.5	
4-Chloro-3-methylphenol	ND		1.5	
Isosafrole	ND		1.5	
2-Methylnaphthalene	ND		1.5	
1,2,4,5-Tetrachlorobenzene	ND		1.5	
Hexachlorocyclopentadiene	ND		1.5	
2,4,6-Trichlorophenol	ND		1.5	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/26/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	5.00

Client Sample ID:	**MW-102**	Lab Sample ID:	**S807804-02**
Matrix: Water	Collected By: JW	Date/Time Collected:	06/25/08 10:25
Sample Type:	Sample Depth: 0 Feet	Total Depth:	Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	07/01/08
Units:	ug/L		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
2,4,5-Trichlorophenol	ND		1.5	
ole	ND		1.5	
hloronaphthalene	ND		1.5	
1-Chloronaphthalene	ND		1.5	
2-Nitroaniline	ND		1.5	
1,4-Dinitrobenzene	ND		1.5	
Dimethylphthalate	ND		1.5	
1,3-Dinitrobenzene	ND		1.5	
2,6-Dinitrotoluene	ND		1.5	
Acenaphthylene	ND		1.5	
1,2-Dinitrobenzene	ND		1.5	
3-Nitroaniline	ND		1.5	
Acenaphthene	ND		1.5	
2,4-Dinitrophenol	ND		5.0	
4-Nitrophenol	ND		1.5	
Dibenzofuran	ND		1.5	
2,4-Dinitrotoluene	ND		1.5	
Pentachlorobenzene	ND		1.5	
1-Naphthylamine	ND	J5	1.5	
2-Naphthylamine	ND		1.5	
2,3,4,6-Tetrachlorophenol	ND		1.5	
Diethylphthalate	ND		1.5	
4-Chlorophenyl phenyl ether	ND		1.5	
Fluorene	ND		1.5	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/26/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	5.00
Client Sample ID:	**MW-102**	Lab Sample ID:	**S807804-02**
Matrix:	Water	Collected By: JW	Date/Time Collected: 06/25/08 10:25
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method: 8270 Analyzed: 07/01/08

Units: ug/L

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
4-Nitroaniline	ND		1.5	
Dinitro-2-methylphenol	ND		1.5	
henylamine	ND		1.5	
Azobenzene *	ND		1.5	
Phenacetin	ND		1.5	
4-Bromophenyl phenyl ether	ND		1.5	
Hexachlorobenzene	ND		1.5	
Pentachlorophenol	ND		1.5	
Pronamide	ND		1.5	
Pentachloronitrobenzene	ND		1.5	
Phenanthrene	ND		1.5	
Anthracene	ND		1.5	
Carbazole	ND		1.5	
4-Nitrobiphenyl	ND		1.5	
Di-n-butylphthalate	ND		1.5	
5-Nitroacenaphthene	ND		1.5	
Isodrin	ND		1.5	
Fluoranthene	ND		1.5	
Pyrene	ND		1.5	
p-Dimethylaminoazobenzene	ND		1.5	
Butyl benzyl phthalate	ND		1.5	
3,3'-Dichlorobenzidine	ND		1.5	
Benzo(a)anthracene	ND		1.5	
Chrysene	ND		1.5	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/26/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	5.00

Client Sample ID:	**MW-102**	Lab Sample ID:	**S807804-02**
Matrix: Water	Collected By: JW	Date/Time Collected:	06/25/08 10:25
Sample Type:	Sample Depth: 0 Feet	Total Depth:	Feet

Semivolatiles by GC/MS

Method: 8270 Analyzed: 07/01/08

Units: ug/L

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Bis(2-ethylhexyl)phthalate	ND		1.5	
stranol	ND		1.5	
.ı-octylphthalate	ND		1.5	
Benzo(b)fluoranthene	ND		1.5	
7,12-Dimethylbenzo(a)anthracene	ND		1.5	
Benzo(k)fluoranthene	ND		1.5	
Benzo(a)pyrene	ND		1.5	
Indeno(1,2,3-cd)pyrene	ND		1.5	
Dibenzo(a,h)anthracene	ND		1.5	
Benzo(ghi)perylene	ND		1.5	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/26/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	5.00

Client Sample ID:	**MW-104**	Lab Sample ID:	**S807804-03**
Matrix: Water	Collected By: JW	Date/Time Collected:	06/25/08 9:40
Sample Type:	Sample Depth: 0 Feet	Total Depth:	Feet

Pesticides/PCBs by ECD

Method: 8081/8082 Analyzed: 07/09/08

Units: ug/L

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
alpha-BHC	ND		0.050	
β-BHC	ND		0.050	
δ-BHC	ND		0.050	
gamma-BHC	ND		0.050	
Heptachlor	ND		0.050	
Aldrin	ND		0.050	
Heptachlor epoxide	ND		0.050	
Endosulfan I	ND		0.050	
Dieldrin	ND		0.10	
p,p'-DDE	ND		0.10	
Endrin	ND		0.10	
Endosulfan II	ND		0.10	
p,p'-DDD	ND		0.10	
Endosulfan sulfate	ND		0.10	
p,p'-DDT	ND		0.10	
Methoxychlor	ND		1.0	
Endrin ketone	ND		0.10	
Endrin aldehyde	ND		0.10	
alpha-Chlordane	ND		0.050	
gamma-Chlordane	ND		0.050	
Toxaphene	ND		3.0	
Aroclor 1016	ND	J5	0.50	
Aroclor 1221	ND		0.50	
Aroclor 1232	ND		0.50	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/26/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	5.00
Client Sample ID:	**MW-104**	Lab Sample ID:	**S807804-03**
Matrix:	Water	Collected By: JW	Date/Time Collected: 06/25/08 9:40
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Pesticides/PCBs by ECD

Method: 8081/8082 Analyzed: 07/09/08

Units: ug/L

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Aroclor 1242	ND		0.50	
Aroclor 1248	ND		0.50	
Aroclor 1254	ND		0.50	
Aroclor 1260	ND		0.50	

Semivolatiles by GC/MS

Method: 8270 Analyzed: 07/01/08

Units: ug/L

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Pyridine	ND		1.5	
2-Picoline	ND		1.5	
Methyl methanesulfonate	ND		1.5	
Ethyl methanesulfonate	ND		1.5	
Phenol	ND		1.5	
Bis(2-chloroethyl)ether	ND		1.5	
2-Chlorophenol	ND		1.5	
1,3-Dichlorobenzene	ND		1.5	
1,4-Dichlorobenzene	ND		1.5	
1,2-Dichlorobenzene	ND		1.5	
2-Methylphenol	ND		1.5	
2,2'-Oxybis(1-chloropropane)	ND		1.5	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/26/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	5.00
Client Sample ID:	**MW-104**	Lab Sample ID:	**S807804-03**
Matrix:	Water	Collected By: JW	Date/Time Collected: 06/25/08 9:40
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	07/01/08
Units:	ug/L		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Acetophenone	ND		1.5	
ethylphenol	ND		1.5	
Nitrosodi-n-propylamine	ND		1.5	
Hexachloroethane	ND		1.5	
Nitrobenzene	ND		1.5	
N-Nitrosopiperidine	ND		1.5	
Isophorone	ND		1.5	
2-Nitrophenol	ND		1.5	
2,4-Dimethylphenol	ND		1.5	
Bis(2-chloroethoxy)methane	ND		1.5	
2,4-Dichlorophenol	ND		1.5	
1,2,4-Trichlorobenzene	ND		1.5	
Naphthalene	ND		1.5	
4-Chloroaniline	ND	J5	1.5	
2,6-Dichlorophenol	ND		1.5	
Hexachloropropene	ND		1.5	
Hexachlorobutadiene	ND		1.5	
N-Nitrosodi-n-butylamine	ND		1.5	
4-Chloro-3-methylphenol	ND		1.5	
Isosafrole	ND		1.5	
2-Methylnaphthalene	ND		1.5	
1,2,4,5-Tetrachlorobenzene	ND		1.5	
Hexachlorocyclopentadiene	ND		1.5	
2,4,6-Trichlorophenol	ND		1.5	

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Reported:
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Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/26/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	5.00

Client Sample ID:	**MW-104**	Lab Sample ID:	**S807804-03**
Matrix: Water	Collected By: JW	Date/Time Collected:	06/25/08 9:40
Sample Type:	Sample Depth: 0 Feet	Total Depth:	Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	07/01/08
Units:	ug/L		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
2,4,5-Trichlorophenol	ND		1.5	
ole	ND		1.5	
nloronaphthalene	ND		1.5	
1-Chloronaphthalene	ND		1.5	
2-Nitroaniline	ND		1.5	
1,4-Dinitrobenzene	ND		1.5	
Dimethylphthalate	ND		1.5	
1,3-Dinitrobenzene	ND		1.5	
2,6-Dinitrotoluene	ND		1.5	
Acenaphthylene	ND		1.5	
1,2-Dinitrobenzene	ND		1.5	
3-Nitroaniline	ND		1.5	
Acenaphthene	ND		1.5	
2,4-Dinitrophenol	ND		5.0	
4-Nitrophenol	ND		1.5	
Dibenzofuran	ND		1.5	
2,4-Dinitrotoluene	ND		1.5	
Pentachlorobenzene	ND		1.5	
1-Naphthylamine	ND	J5	1.5	
2-Naphthylamine	ND		1.5	
2,3,4,6-Tetrachlorophenol	ND		1.5	
Diethylphthalate	ND		1.5	
4-Chlorophenyl phenyl ether	ND		1.5	
Fluorene	ND		1.5	

A Laboratory

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Reported:
07/22/08 14:50

Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/26/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	5.00
Client Sample ID:	**MW-104**	Lab Sample ID:	**S807804-03**
Matrix:	Water	Collected By: JW	Date/Time Collected: 06/25/08 9:40
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	07/01/08
Units:	ug/L		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
4-Nitroaniline	ND		1.5	
-Dinitro-2-methylphenol	ND		1.5	
henylamine	ND		1.5	
Azobenzene *	ND		1.5	
Phenacetin	ND		1.5	
4-Bromophenyl phenyl ether	ND		1.5	
Hexachlorobenzene	ND		1.5	
Pentachlorophenol	ND		1.5	
Pronamide	ND		1.5	
Pentachloronitrobenzene	ND		1.5	
Phenanthrene	ND		1.5	
Anthracene	ND		1.5	
Carbazole	ND		1.5	
4-Nitrobiphenyl	ND		1.5	
Di-n-butylphthalate	ND		1.5	
5-Nitroacenaphthene	ND		1.5	
Isodrin	ND		1.5	
Fluoranthene	ND		1.5	
Pyrene	ND		1.5	
p-Dimethylaminoazobenzene	ND		1.5	
Butyl benzyl phthalate	ND		1.5	
3,3'-Dichlorobenzidine	ND		1.5	
Benzo(a)anthracene	ND		1.5	
Chrysene	ND		1.5	

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LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/26/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	5.00

Client Sample ID:	**MW-104**	Lab Sample ID:	**S807804-03**
Matrix:	Water	Collected By: JW	Date/Time Collected: 06/25/08 9:40
Sample Type:		Sample Depth: 0 Feet	Total Depth: Feet

Semivolatiles by GC/MS

Method:	8270	Analyzed:	07/01/08
Units:	ug/L		

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Bis(2-ethylhexyl)phthalate	ND		1.5	
tranol	ND		1.5	
-octylphthalate	ND		1.5	
Benzo(b)fluoranthene	ND		1.5	
7,12-Dimethylbenzo(a)anthracene	ND		1.5	
Benzo(k)fluoranthene	ND		1.5	
Benzo(a)pyrene	ND		1.5	
Indeno(1,2,3-cd)pyrene	ND		1.5	
Dibenzo(a,h)anthracene	ND		1.5	
Benzo(ghi)perylene	ND		1.5	

A Laboratory

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Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	NORTH CHICAGO		
Project/Facility Number:	0971255020	Date Received :	06/26/08
Funding Code:	PR50	Visit Number:	
Trip ID:		Temperature C:	5.00

Notes and Definitions

J5	Blank spike failed high, result was non-detect - impact on data may be minimal.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
*	Non-NELAP accredited

Method 8270 samples S807804-01, -02, and -03 : Tentatively Identified Compounds (TICs) were detected in the semivolatile analysis. Please contact the laboratory if additional information about the TICs is needed.

A Laboratory

Report Authorized by:

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Reported:
07/22/08 14:50