PTS Professional Testing Service 140 Arrowhead Dr., Unit 1 Hampshire, IL 60140 P: 815.501.3456, F: 888.248.2957

April 10, 2014

Kenny Construction
2215 Sanders Rd. Suite 400
Northbrook, IL 60062
Attn: Chris Maratea

Re: 2500 Martin Luther King Dr.

Dear Mr. Maratea:

At your request, Professional Testing Service LLC (PTS) collected a grab sample from the roadway for Kenny Construction from 2500 Martin Luther King Dr.(North Bound lane) in Chicago, Illinois. PTS obtained one grab sample from the proposed project area which was collected from a depth of 6-7' below road grade.

The sample was submitted to a laboratory for analysis. The material was tested for the presence of environmental contaminants in an effort to determine the potential disposal options for the material. The laboratory analysis indicated the presence of a number of compounds above the Illinois Environmental Protection Agencies (IEPA) "Maximum Allowable Concentrations of Chemical Constituents In Uncontaminated Soil Used as Fill Material At Regulated Fill Operations (35 Ill. Adm. Code 1100.Subpart F)" issued by the IEPA in August 2012 for evaluating soils to be accepted at Clean Construction and Demolition Debris (CCDD) operating sites.

The compounds which exceeded the limits can be categorized as:

- 2 compounds which exceed the CCDD regulatory limits include SVOC's.

Semi-Volatile Organic Compounds (SVOC) are generally defined by the EPA as any compound of carbon, excluding carbon monoxide, carbon dioxide, carbonic acid, metallic carbides or carbonates, and ammonium carbonate, which participates in atmospheric photochemical reactions.

In addition to the failing SVOC results the pH level of the soil came out elevated – 11.0. The pH result exceeds the limits the IEPA deemed suitable for CCDD disposal. The limits the IEPA placed on pH levels are 6.5 to 9.0.

Based on the laboratory results, the soils sampled at the site are not suitable for disposal in a CCDD facility. However, it may be possible to dispose of these soils at a traditional landfill.

Attached to this report is a copy of the laboratory analysis, and a copy of the "Maximum Allowable Concentrations of Chemical Constituents In Uncontaminated Soil Used as Fill Material At Regulated Fill Operations (35 Ill. Adm. Code 1100.Subpart F)".

PTS appreciates the opportunity to offer its assistance on this project and looks forward to working with you on future projects. Please contact us if you have any questions.

Regards,

Brian Szydzik
Vice President

Prairie Analytical Systems, INCORPORATED

Monday, April 7, 2014

Brian Szydzik
Professional Testing Service
140 Arrowhead Dr., Unit 1
Hampshire, IL 60140
TEL: (815) 501-3456
FAX: (888) 248-2957

RE: Chicago Ancillary PAS WO: 14D0018

Prairie Analytical Systems, Inc. received 1 sample(s) on 3/31/2014 for the analyses presented in the following report.

All applicable quality control procedures met method specific acceptance criteria unless otherwise noted.

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If you have any questions, please feel free to contact me at (217) 753-1148.

Respectfully submitted,

Kristen A. Potter
Project Manager

Certifications: NELAP/NELAC - IL #100323

Prairie Analytical Systems, Inc. **Date:** 4/7/2014

LABORATORY RESULTS

Client: Professional Testing Service
Project: Chicago Ancillary **Lab Order:** 14D0018
Client Sample ID: 2500 Martin Luther King Dr. **Lab ID:** 14D0018-01
Collection Date: 3/28/14 12:30 **Matrix:** Solid

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Volatile Organic Compounds by GC-MS									
*Acetone	U	0.0672		mg/Kg dry	1	4/2/14 12:52	4/2/14 18:46	SW 8260B Re	AJD
*Benzene	U	0.00672		mg/Kg dry	1	4/2/14 12:52	4/2/14 18:46	SW 8260B Re	AJD
*Bromodichloromethane	U	0.00672		mg/Kg dry	1	4/2/14 12:52	4/2/14 18:46	SW 8260B Re	AJD
*Bromoform	U	0.00672		mg/Kg dry	1	4/2/14 12:52	4/2/14 18:46	SW 8260B Re	AJD
*Bromomethane	U	0.0134		mg/Kg dry	1	4/2/14 12:52	4/2/14 18:46	SW 8260B Re	AJD
*2-Butanone	U	0.0134		mg/Kg dry	1	4/2/14 12:52	4/2/14 18:46	SW 8260B Re	AJD
*Carbon disulfide	U	0.0134		mg/Kg dry	1	4/2/14 12:52	4/2/14 18:46	SW 8260B Re	AJD
*Carbon tetrachloride	U	0.00672		mg/Kg dry	1	4/2/14 12:52	4/2/14 18:46	SW 8260B Re	AJD
*Chlorobenzene	U	0.00672		mg/Kg dry	1	4/2/14 12:52	4/2/14 18:46	SW 8260B Re	AJD
*Chloroethane	U	0.0134		mg/Kg dry	1	4/2/14 12:52	4/2/14 18:46	SW 8260B Re	AJD
*Chloroform	U	0.00672		mg/Kg dry	1	4/2/14 12:52	4/2/14 18:46	SW 8260B Re	AJD
*Chloromethane	U	0.0134		mg/Kg dry	1	4/2/14 12:52	4/2/14 18:46	SW 8260B Re	AJD
*Dibromochloromethane	U	0.00672		mg/Kg dry	1	4/2/14 12:52	4/2/14 18:46	SW 8260B Re	AJD
*1,1-Dichloroethane	U	0.00672		mg/Kg dry	1	4/2/14 12:52	4/2/14 18:46	SW 8260B Re	AJD
*1,2-Dichloroethane	U	0.00672		mg/Kg dry	1	4/2/14 12:52	4/2/14 18:46	SW 8260B Re	AJD
*1,1-Dichloroethene	U	0.00672		mg/Kg dry	1	4/2/14 12:52	4/2/14 18:46	SW 8260B Re	AJD
*cis-1,2-Dichloroethene	U	0.00672		mg/Kg dry	1	4/2/14 12:52	4/2/14 18:46	SW 8260B Re	AJD
*trans-1,2-Dichloroethene	U	0.00672		mg/Kg dry	1	4/2/14 12:52	4/2/14 18:46	SW 8260B Re	AJD
*1,2-Dichloropropane	U	0.00672		mg/Kg dry	1	4/2/14 12:52	4/2/14 18:46	SW 8260B Re	AJD
*cis-1,3-Dichloropropene	U	0.00403		mg/Kg dry	1	4/2/14 12:52	4/2/14 18:46	SW 8260B Re	AJD
*trans-1,3-Dichloropropene	U	0.00403		mg/Kg dry	1	4/2/14 12:52	4/2/14 18:46	SW 8260B Re	AJD
*Ethylbenzene	U	0.00672		mg/Kg dry	1	4/2/14 12:52	4/2/14 18:46	SW 8260B Re	AJD
*2-Hexanone	U	0.00672		mg/Kg dry	1	4/2/14 12:52	4/2/14 18:46	SW 8260B Re	AJD
*Methyl tert-butyl ether	U	0.00672		mg/Kg dry	1	4/2/14 12:52	4/2/14 18:46	SW 8260B Re	AJD
*4-Methyl-2-pentanone	U	0.00672		mg/Kg dry	1	4/2/14 12:52	4/2/14 18:46	SW 8260B Re	AJD
*Methylene chloride	U	0.00672		mg/Kg dry	1	4/2/14 12:52	4/2/14 18:46	SW 8260B Re	AJD
*Styrene	U	0.00672		mg/Kg dry	1	4/2/14 12:52	4/2/14 18:46	SW 8260B Re	AJD
*1,1,2,2-Tetrachloroethane	U	0.00672		mg/Kg dry	1	4/2/14 12:52	4/2/14 18:46	SW 8260B Re	AJD
*Tetrachloroethene	U	0.00672		mg/Kg dry	1	4/2/14 12:52	4/2/14 18:46	SW 8260B Re	AJD
*Toluene	U	0.00672		mg/Kg dry	1	4/2/14 12:52	4/2/14 18:46	SW 8260B Re	AJD
*1,1,1-Trichloroethane	U	0.00672		mg/Kg dry	1	4/2/14 12:52	4/2/14 18:46	SW 8260B Re	AJD
*1,1,2-Trichloroethane	U	0.00672		mg/Kg dry	1	4/2/14 12:52	4/2/14 18:46	SW 8260B Re	AJD
*Trichloroethene	U	0.00672		mg/Kg dry	1	4/2/14 12:52	4/2/14 18:46	SW 8260B Re	AJD
*Vinyl chloride	U	0.00672		mg/Kg dry	1	4/2/14 12:52	4/2/14 18:46	SW 8260B Re	AJD
*Xylenes (total)	U	0.0202		mg/Kg dry	1	4/2/14 12:52	4/2/14 18:46	SW 8260B Re	AJD
Surrogate: 4-Bromofluorobenzene		*95 %*		*75-120*		4/2/14 12:52	4/2/14 18:46	SW 8260B Re	AJD
Surrogate: 1,2-Dichloroethane-d4		*120 %*	S2	*75-119*		4/2/14 12:52	4/2/14 18:46	SW 8260B Re	AJD
Surrogate: Toluene-d8		*101 %*		*78-114*		4/2/14 12:52	4/2/14 18:46	SW 8260B Re	AJD
Semi-Volatile Organic Compounds by GC-MS									
*Acenaphthene	U	0.0176	M	mg/Kg dry	5	4/2/14 14:14	4/4/14 0:11	SW 8270C	JKA
*Acenaphthylene	U	0.0211	M	mg/Kg dry	5	4/2/14 14:14	4/4/14 0:11	SW 8270C	JKA
***Anthracene**	**0.555**	0.0105	J, M	mg/Kg dry	5	4/2/14 14:14	4/4/14 0:11	SW 8270C	JKA
***Benzo(a)anthracene**	**1.29**	0.0145	J, M	mg/Kg dry	5	4/2/14 14:14	4/4/14 0:11	SW 8270C	JKA
***Benzo(b)fluoranthene**	**1.46**	0.0163	J, M	mg/Kg dry	5	4/2/14 14:14	4/4/14 0:11	SW 8270C	JKA
***Benzo(k)fluoranthene**	**0.566**	0.0131	J, M	mg/Kg dry	5	4/2/14 14:14	4/4/14 0:11	SW 8270C	JKA
***Benzo(g,h,i)perylene**	**0.582**	0.0154	J, M	mg/Kg dry	5	4/2/14 14:14	4/4/14 0:11	SW 8270C	JKA
***Benzo(a)pyrene**	**1.03**	0.396		mg/Kg dry	5	4/2/14 14:14	4/4/14 0:11	SW 8270C	JKA
*Bis(2-chloroethoxy)methane	U	0.0274	M	mg/Kg dry	5	4/2/14 14:14	4/4/14 0:11	SW 8270C	JKA

Prairie Analytical Systems, Inc. **Date:** 4/7/2014

LABORATORY RESULTS

Client: Professional Testing Service
Project: Chicago Ancillary **Lab Order:** 14D0018
Client Sample ID: 2500 Martin Luther King Dr. **Lab ID:** 14D0018-01
Collection Date: 3/28/14 12:30 **Matrix:** Solid

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
*Bis(2-chloroethyl)ether	U	0.0328	M	mg/Kg dry	5	4/2/14 14:14	4/4/14 0:11	SW 8270C	JKA
*Bis(2-chloroisopropyl)ether	U	0.0334	M	mg/Kg dry	5	4/2/14 14:14	4/4/14 0:11	SW 8270C	JKA
*Bis(2-ethylhexyl)phthalate	U	0.103	M	mg/Kg dry	5	4/2/14 14:14	4/4/14 0:11	SW 8270C	JKA
*4-Bromophenyl phenyl ether	U	0.0161	M	mg/Kg dry	5	4/2/14 14:14	4/4/14 0:11	SW 8270C	JKA
*Butyl benzyl phthalate	U	0.0431	M	mg/Kg dry	5	4/2/14 14:14	4/4/14 0:11	SW 8270C	JKA
*Carbazole	U	0.0188	M	mg/Kg dry	5	4/2/14 14:14	4/4/14 0:11	SW 8270C	JKA
*4-Chloro-3-methylphenol	U	0.0205	M	mg/Kg dry	5	4/2/14 14:14	4/4/14 0:11	SW 8270C	JKA
*4-Chloroaniline	U	0.0225	M	mg/Kg dry	5	4/2/14 14:14	4/4/14 0:11	SW 8270C	JKA
*2-Chloronaphthalene	U	0.0385	M	mg/Kg dry	5	4/2/14 14:14	4/4/14 0:11	SW 8270C	JKA
*2-Chlorophenol	U	0.0259	M	mg/Kg dry	5	4/2/14 14:14	4/4/14 0:11	SW 8270C	JKA
*4-Chlorophenyl phenyl ether	U	0.0190	M	mg/Kg dry	5	4/2/14 14:14	4/4/14 0:11	SW 8270C	JKA
***Chrysene**	**2.11**	0.00704	J, M	mg/Kg dry	5	4/2/14 14:14	4/4/14 0:11	SW 8270C	JKA
*Di-n-butyl phthalate	U	0.0739	M	mg/Kg dry	5	4/2/14 14:14	4/4/14 0:11	SW 8270C	JKA
*Di-n-octyl phthalate	U	0.0164	M	mg/Kg dry	5	4/2/14 14:14	4/4/14 0:11	SW 8270C	JKA
*Dibenz(a,h)anthracene	U	0.0196	M	mg/Kg dry	5	4/2/14 14:14	4/4/14 0:11	SW 8270C	JKA
*Dibenzofuran	U	0.0208	M	mg/Kg dry	5	4/2/14 14:14	4/4/14 0:11	SW 8270C	JKA
*1,2-Dichlorobenzene	U	0.0295	M	mg/Kg dry	5	4/2/14 14:14	4/4/14 0:11	SW 8270C	JKA
*1,3-Dichlorobenzene	U	0.0286	M	mg/Kg dry	5	4/2/14 14:14	4/4/14 0:11	SW 8270C	JKA
*1,4-Dichlorobenzene	U	0.0257	M	mg/Kg dry	5	4/2/14 14:14	4/4/14 0:11	SW 8270C	JKA
*3,3'-Dichlorobenzidine	U	0.0182	M	mg/Kg dry	5	4/2/14 14:14	4/4/14 0:11	SW 8270C	JKA
***2,4-Dichlorophenol**	**0.0327**	0.0316	J, M	mg/Kg dry	5	4/2/14 14:14	4/4/14 0:11	SW 8270C	JKA
*Diethyl phthalate	U	0.0368	M	mg/Kg dry	5	4/2/14 14:14	4/4/14 0:11	SW 8270C	JKA
*Dimethyl phthalate	U	0.0196	M	mg/Kg dry	5	4/2/14 14:14	4/4/14 0:11	SW 8270C	JKA
*2,4-Dimethylphenol	U	0.0253	M	mg/Kg dry	5	4/2/14 14:14	4/4/14 0:11	SW 8270C	JKA
*4,6-Dinitro-2-methylphenol	U	0.149	M	mg/Kg dry	5	4/2/14 14:14	4/4/14 0:11	SW 8270C	JKA
*2,4-Dinitrophenol	U	0.150	M	mg/Kg dry	5	4/2/14 14:14	4/4/14 0:11	SW 8270C	JKA
*2,4-Dinitrotoluene	U	0.0179	M	mg/Kg dry	5	4/2/14 14:14	4/4/14 0:11	SW 8270C	JKA
*2,6-Dinitrotoluene	U	0.0261	M	mg/Kg dry	5	4/2/14 14:14	4/4/14 0:11	SW 8270C	JKA
***Fluoranthene**	**3.68**	2.20		mg/Kg dry	5	4/2/14 14:14	4/4/14 0:11	SW 8270C	JKA
*Fluorene	U	0.0163	M	mg/Kg dry	5	4/2/14 14:14	4/4/14 0:11	SW 8270C	JKA
*Hexachlorobenzene	U	0.0192	M	mg/Kg dry	5	4/2/14 14:14	4/4/14 0:11	SW 8270C	JKA
*Hexachlorobutadiene	U	0.0204	M	mg/Kg dry	5	4/2/14 14:14	4/4/14 0:11	SW 8270C	JKA
*Hexachlorocyclopentadiene	U	0.0343	M	mg/Kg dry	5	4/2/14 14:14	4/4/14 0:11	SW 8270C	JKA
*Hexachloroethane	U	0.0244	M	mg/Kg dry	5	4/2/14 14:14	4/4/14 0:11	SW 8270C	JKA
***Indeno(1,2,3-cd)pyrene**	**0.763**	0.0195	J, M	mg/Kg dry	5	4/2/14 14:14	4/4/14 0:11	SW 8270C	JKA
*Isophorone	U	0.0294	M	mg/Kg dry	5	4/2/14 14:14	4/4/14 0:11	SW 8270C	JKA
*2-Methylnaphthalene	U	0.0343	M	mg/Kg dry	5	4/2/14 14:14	4/4/14 0:11	SW 8270C	JKA
*2-Methylphenol	U	0.0247	M	mg/Kg dry	5	4/2/14 14:14	4/4/14 0:11	SW 8270C	JKA
3 & 4-Methylphenol	U	0.0382	M	mg/Kg dry	5	4/2/14 14:14	4/4/14 0:11	SW 8270C	JKA
***Naphthalene**	**0.0368**	0.0357	J, M	mg/Kg dry	5	4/2/14 14:14	4/4/14 0:11	SW 8270C	JKA
*2-Nitroaniline	U	0.0232	M	mg/Kg dry	5	4/2/14 14:14	4/4/14 0:11	SW 8270C	JKA
*3-Nitroaniline	U	0.0286	M	mg/Kg dry	5	4/2/14 14:14	4/4/14 0:11	SW 8270C	JKA
*4-Nitroaniline	U	0.0199	M	mg/Kg dry	5	4/2/14 14:14	4/4/14 0:11	SW 8270C	JKA
*Nitrobenzene	U	0.0309	M	mg/Kg dry	5	4/2/14 14:14	4/4/14 0:11	SW 8270C	JKA
*2-Nitrophenol	U	0.0225	M	mg/Kg dry	5	4/2/14 14:14	4/4/14 0:11	SW 8270C	JKA
*4-Nitrophenol	U	0.0241	M	mg/Kg dry	5	4/2/14 14:14	4/4/14 0:11	SW 8270C	JKA
***N-Nitroso-di-n-propylamine**	**0.0872**	0.00659		mg/Kg dry	5	4/2/14 14:14	4/4/14 0:11	SW 8270C	JKA
*N-Nitrosodiphenylamine	U	0.0169	M	mg/Kg dry	5	4/2/14 14:14	4/4/14 0:11	SW 8270C	JKA
*Pentachlorophenol	U	0.0105	M	mg/Kg dry	5	4/2/14 14:14	4/4/14 0:11	SW 8270C	JKA
***Phenanthrene**	**2.32**	2.20		mg/Kg dry	5	4/2/14 14:14	4/4/14 0:11	SW 8270C	JKA

LABORATORY RESULTS

Client: Professional Testing Service
Project: Chicago Ancillary
Client Sample ID: 2500 Martin Luther King Dr.
Collection Date: 3/28/14 12:30

Lab Order: 14D0018
Lab ID: 14D0018-01
Matrix: Solid

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
*Phenol	U	0.0455	M	mg/Kg dry	5	4/2/14 14:14	4/4/14 0:11	SW 8270C	JKA
***Pyrene**	**3.11**	0.0136		mg/Kg dry	5	4/2/14 14:14	4/4/14 0:11	SW 8270C	JKA
*1,2,4-Trichlorobenzene	U	0.0327	M	mg/Kg dry	5	4/2/14 14:14	4/4/14 0:11	SW 8270C	JKA
*2,4,5-Trichlorophenol	U	0.0281	M	mg/Kg dry	5	4/2/14 14:14	4/4/14 0:11	SW 8270C	JKA
*2,4,6-Trichlorophenol	U	0.0283	M	mg/Kg dry	5	4/2/14 14:14	4/4/14 0:11	SW 8270C	JKA
Surrogate: 2-Fluorobiphenyl		*65 %*		*40-120*		4/2/14 14:14	4/4/14 0:11	SW 8270C	JKA
Surrogate: 2-Fluorophenol		*44 %*		*20-115*		4/2/14 14:14	4/4/14 0:11	SW 8270C	JKA
Surrogate: Nitrobenzene-d5		*67 %*		*45-135*		4/2/14 14:14	4/4/14 0:11	SW 8270C	JKA
Surrogate: Phenol-d6		*45 %*		*20-100*		4/2/14 14:14	4/4/14 0:11	SW 8270C	JKA
Surrogate: 4-Terphenyl-d14		*55 %*	C1, I	*60-130*		4/2/14 14:14	4/4/14 0:11	SW 8270C	JKA
Surrogate: 2,4,6-Tribromophenol		*%*	C1, I	*30-100*		4/2/14 14:14	4/4/14 0:11	SW 8270C	JKA
Metals by ICP-MS									
*Mercury	U	0.0927		mg/Kg dry	2	4/2/14 13:48	4/4/14 17:18	SW 6020A	JTC
*Selenium	U	0.662		mg/Kg dry	2	4/2/14 13:48	4/4/14 17:18	SW 6020A	JTC
***Silver**	**0.942**	0.662		mg/Kg dry	2	4/2/14 13:48	4/4/14 17:18	SW 6020A	JTC
Metals by ICP									
***Arsenic**	**2.41**	0.662		mg/Kg dry	1	4/2/14 13:48	4/4/14 17:43	SW 6010B	CEP
***Barium**	**20.1**	0.331		mg/Kg dry	1	4/2/14 13:48	4/4/14 17:43	SW 6010B	CEP
*Cadmium	U	0.331		mg/Kg dry	1	4/2/14 13:48	4/4/14 17:43	SW 6010B	CEP
***Chromium**	**6.22**	0.331		mg/Kg dry	1	4/2/14 13:48	4/4/14 17:43	SW 6010B	CEP
***Lead**	**14.6**	0.331		mg/Kg dry	1	4/2/14 13:48	4/4/14 17:43	SW 6010B	CEP
Conventional Chemistry Parameters									
***pH**	**11**	0.010	E	pH Units	1	4/4/14 10:40	4/4/14 14:28	SW 9045C	JLS
Percent Solids	**75.0**	0.100		%	1	4/2/14 13:31	4/3/14 12:10	ASTM D2974	CCD

Prairie Analytical Systems, Inc. **Date:** 4/7/2014

LABORATORY RESULTS

Client: Professional Testing Service
Project: Chicago Ancillary **Lab Order:** 14D0018

Volatile Organic Compounds by GC-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch X001522 - SW 5035A VOA										
Blank (X001522-BLK1)				Prepared & Analyzed: 04/02/2014						
Acetone	U	0.0500	mg/Kg wet							
Benzene	U	0.00500	mg/Kg wet							
Bromodichloromethane	U	0.00500	mg/Kg wet							
Bromoform	U	0.00500	mg/Kg wet							
Bromomethane	U	0.0100	mg/Kg wet							
2-Butanone	U	0.0100	mg/Kg wet							
Carbon disulfide	U	0.0100	mg/Kg wet							
Carbon tetrachloride	U	0.00500	mg/Kg wet							
Chlorobenzene	U	0.00500	mg/Kg wet							
Chloroethane	U	0.0100	mg/Kg wet							
Chloroform	U	0.00500	mg/Kg wet							
Chloromethane	U	0.0100	mg/Kg wet							
Dibromochloromethane	U	0.00500	mg/Kg wet							
1,1-Dichloroethane	U	0.00500	mg/Kg wet							
1,2-Dichloroethane	U	0.00500	mg/Kg wet							
1,1-Dichloroethene	U	0.00500	mg/Kg wet							
cis-1,2-Dichloroethene	U	0.00500	mg/Kg wet							
trans-1,2-Dichloroethene	U	0.00500	mg/Kg wet							
1,2-Dichloropropane	U	0.00500	mg/Kg wet							
cis-1,3-Dichloropropene	U	0.00300	mg/Kg wet							
trans-1,3-Dichloropropene	U	0.00300	mg/Kg wet							
Ethylbenzene	U	0.00500	mg/Kg wet							
2-Hexanone	U	0.00500	mg/Kg wet							
Methyl tert-butyl ether	U	0.00500	mg/Kg wet							
4-Methyl-2-pentanone	U	0.00500	mg/Kg wet							
Methylene chloride	U	0.00500	mg/Kg wet							
Styrene	U	0.00500	mg/Kg wet							
1,1,2,2-Tetrachloroethane	U	0.00500	mg/Kg wet							
Tetrachloroethene	U	0.00500	mg/Kg wet							
Toluene	U	0.00500	mg/Kg wet							
1,1,1-Trichloroethane	U	0.00500	mg/Kg wet							
1,1,2-Trichloroethane	U	0.00500	mg/Kg wet							
Trichloroethene	U	0.00500	mg/Kg wet							
Vinyl chloride	U	0.00500	mg/Kg wet							
Xylenes (total)	U	0.0150	mg/Kg wet							
Surrogate: 4-Bromofluorobenzene	*0.0437*		*mg/Kg wet*	*0.050000*		*87*	*75-120*			
Surrogate: 1,2-Dichloroethane-d4	*0.0529*		*mg/Kg wet*	*0.050000*		*106*	*75-119*			
Surrogate: Toluene-d8	*0.0504*		*mg/Kg wet*	*0.050000*		*101*	*78-114*			

LABORATORY RESULTS

Client: Professional Testing Service
Project: Chicago Ancillary **Lab Order:** 14D0018

Volatile Organic Compounds by GC-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch X001522 - SW 5035A VOA										
LCS (X001522-BS1)				Prepared & Analyzed: 04/02/2014						
Benzene	0.0510	0.00500	mg/Kg wet	0.050000		102	80-130			
Chlorobenzene	0.0483	0.00500	mg/Kg wet	0.050000		97	85-120			
1,1-Dichloroethene	0.0512	0.00500	mg/Kg wet	0.050000		102	70-130			
Ethylbenzene	0.0509	0.00500	mg/Kg wet	0.050000		102	77-132			
Toluene	0.0493	0.00500	mg/Kg wet	0.050000		99	80-130			
Trichloroethene	0.0514	0.00500	mg/Kg wet	0.050000		103	75-130			
Xylenes (total)	0.149	0.0150	mg/Kg wet	0.15000		99	80-130			
Surrogate: 4-Bromofluorobenzene	*0.0494*		*mg/Kg wet*	*0.050000*		*99*	*75-120*			
Surrogate: 1,2-Dichloroethane-d4	*0.0509*		*mg/Kg wet*	*0.050000*		*102*	*75-119*			
Surrogate: Toluene-d8	*0.0492*		*mg/Kg wet*	*0.050000*		*98*	*78-114*			
Matrix Spike (X001522-MS1)		**Source: 14D0036-01**		Prepared & Analyzed: 04/02/2014						
Benzene	0.0362	0.00500	mg/Kg wet	0.050000	ND	72	50-140			
Chlorobenzene	0.0396	0.00500	mg/Kg wet	0.050000	ND	79	60-130			
1,1-Dichloroethene	0.0237	0.00500	mg/Kg wet	0.050000	ND	47	60-130			S
Ethylbenzene	0.0422	0.00500	mg/Kg wet	0.050000	ND	84	50-140			
Toluene	0.0402	0.00500	mg/Kg wet	0.050000	ND	80	55-130			
Trichloroethene	0.0369	0.00500	mg/Kg wet	0.050000	ND	74	60-130			
Xylenes (total)	0.122	0.0150	mg/Kg wet	0.15000	ND	82	60-130			
Surrogate: 4-Bromofluorobenzene	*0.0468*		*mg/Kg wet*	*0.050000*		*94*	*75-120*			
Surrogate: 1,2-Dichloroethane-d4	*0.0499*		*mg/Kg wet*	*0.050000*		*100*	*75-119*			
Surrogate: Toluene-d8	*0.0519*		*mg/Kg wet*	*0.050000*		*104*	*78-114*			
Matrix Spike Dup (X001522-MSD1)		**Source: 14D0036-01**		Prepared & Analyzed: 04/02/2014						
Benzene	0.0369	0.00500	mg/Kg wet	0.050000	ND	74	50-140	2	20	
Chlorobenzene	0.0374	0.00500	mg/Kg wet	0.050000	ND	75	60-130	6	20	
1,1-Dichloroethene	0.0282	0.00500	mg/Kg wet	0.050000	ND	56	60-130	17	20	S
Ethylbenzene	0.0406	0.00500	mg/Kg wet	0.050000	ND	81	50-140	4	25	
Toluene	0.0389	0.00500	mg/Kg wet	0.050000	ND	78	55-130	3	25	
Trichloroethene	0.0368	0.00500	mg/Kg wet	0.050000	ND	74	60-130	0.2	20	
Xylenes (total)	0.121	0.0150	mg/Kg wet	0.15000	ND	81	60-130	1	25	
Surrogate: 4-Bromofluorobenzene	*0.0475*		*mg/Kg wet*	*0.050000*		*95*	*75-120*			
Surrogate: 1,2-Dichloroethane-d4	*0.0569*		*mg/Kg wet*	*0.050000*		*114*	*75-119*			
Surrogate: Toluene-d8	*0.0530*		*mg/Kg wet*	*0.050000*		*106*	*78-114*			

LABORATORY RESULTS

Client: Professional Testing Service
Project: Chicago Ancillary **Lab Order:** 14D0018

Semi-Volatile Organic Compounds by GC-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch X001524 - SW 3550B BNA										
Blank (X001524-BLK1)				Prepared: 04/02/2014 Analyzed: 04/03/2014						
Acenaphthene	U	0.333	mg/Kg wet							M
Acenaphthylene	U	0.333	mg/Kg wet							M
Anthracene	U	0.333	mg/Kg wet							M
Benzo(a)anthracene	U	0.333	mg/Kg wet							M
Benzo(b)fluoranthene	U	0.333	mg/Kg wet							M
Benzo(k)fluoranthene	U	0.333	mg/Kg wet							M
Benzo(g,h,i)perylene	U	0.333	mg/Kg wet							M
Benzo(a)pyrene	U	0.0600	mg/Kg wet							M
Bis(2-chloroethoxy)methane	U	0.333	mg/Kg wet							M
Bis(2-chloroethyl)ether	U	0.333	mg/Kg wet							M
Bis(2-chloroisopropyl)ether	U	0.333	mg/Kg wet							M
Bis(2-ethylhexyl)phthalate	U	0.333	mg/Kg wet							M
4-Bromophenyl phenyl ether	U	0.333	mg/Kg wet							M
Butyl benzyl phthalate	U	0.333	mg/Kg wet							M
Carbazole	U	0.333	mg/Kg wet							M
4-Chloro-3-methylphenol	U	0.666	mg/Kg wet							M
4-Chloroaniline	U	0.525	mg/Kg wet							M
2-Chloronaphthalene	U	0.333	mg/Kg wet							M
2-Chlorophenol	U	0.333	mg/Kg wet							M
4-Chlorophenyl phenyl ether	U	0.333	mg/Kg wet							M
Chrysene	U	0.333	mg/Kg wet							M
Di-n-butyl phthalate	U	0.333	mg/Kg wet							M
Di-n-octyl phthalate	U	0.333	mg/Kg wet							M
Dibenz(a,h)anthracene	U	0.0600	mg/Kg wet							M
Dibenzofuran	U	1.66	mg/Kg wet							M
1,2-Dichlorobenzene	U	0.333	mg/Kg wet							M
1,3-Dichlorobenzene	U	0.100	mg/Kg wet							M
1,4-Dichlorobenzene	U	0.333	mg/Kg wet							M
3,3'-Dichlorobenzidine	U	0.00500	mg/Kg wet							M
2,4-Dichlorophenol	U	0.333	mg/Kg wet							M
Diethyl phthalate	U	0.333	mg/Kg wet							M
Dimethyl phthalate	U	0.333	mg/Kg wet							M
2,4-Dimethylphenol	U	0.333	mg/Kg wet							M
4,6-Dinitro-2-methylphenol	U	1.66	mg/Kg wet							M
2,4-Dinitrophenol	U	0.100	mg/Kg wet							M
2,4-Dinitrotoluene	U	0.100	mg/Kg wet							M
2,6-Dinitrotoluene	U	0.100	mg/Kg wet							M
Fluoranthene	U	0.333	mg/Kg wet							M
Fluorene	U	0.333	mg/Kg wet							M
Hexachlorobenzene	U	0.100	mg/Kg wet							M
Hexachlorobutadiene	U	0.333	mg/Kg wet							M
Hexachlorocyclopentadiene	U	0.666	mg/Kg wet							M
Hexachloroethane	U	0.333	mg/Kg wet							M
Indeno(1,2,3-cd)pyrene	U	0.333	mg/Kg wet							M

LABORATORY RESULTS

Client: Professional Testing Service
Project: Chicago Ancillary **Lab Order:** 14D0018

Semi-Volatile Organic Compounds by GC-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch X001524 - SW 3550B BNA										
Blank (X001524-BLK1)				Prepared: 04/02/2014 Analyzed: 04/03/2014						
Isophorone	U	0.333	mg/Kg wet							M
2-Methylnaphthalene	U	0.333	mg/Kg wet							M
2-Methylphenol	U	0.333	mg/Kg wet							M
3 & 4-Methylphenol	U	0.100	mg/Kg wet							M
Naphthalene	U	0.333	mg/Kg wet							M
2-Nitroaniline	U	0.100	mg/Kg wet							M
3-Nitroaniline	U	0.00500	mg/Kg wet							M
4-Nitroaniline	U	0.0600	mg/Kg wet							M
Nitrobenzene	U	0.0600	mg/Kg wet							M
2-Nitrophenol	U	0.333	mg/Kg wet							M
4-Nitrophenol	U	1.66	mg/Kg wet							M
N-Nitroso-di-n-propylamine	U	0.00100	mg/Kg wet							M
N-Nitrosodiphenylamine	U	0.333	mg/Kg wet							M
Pentachlorophenol	U	0.0100	mg/Kg wet							M
Phenanthrene	U	0.333	mg/Kg wet							M
Phenol	U	0.333	mg/Kg wet							M
Pyrene	U	0.333	mg/Kg wet							M
1,2,4-Trichlorobenzene	U	0.333	mg/Kg wet							M
2,4,5-Trichlorophenol	U	0.333	mg/Kg wet							M
2,4,6-Trichlorophenol	U	0.100	mg/Kg wet							M
Surrogate: 2-Fluorobiphenyl	*0.667*		*mg/Kg wet*	*0.66667*		*100*	*40-120*			
Surrogate: 2-Fluorophenol	*0.691*		*mg/Kg wet*	*1.0000*		*69*	*20-115*			
Surrogate: Nitrobenzene-d5	*0.711*		*mg/Kg wet*	*0.66667*		*107*	*45-135*			
Surrogate: Phenol-d6	*0.686*		*mg/Kg wet*	*1.0000*		*69*	*20-100*			
Surrogate: 4-Terphenyl-d14	*0.613*		*mg/Kg wet*	*0.66667*		*92*	*60-130*			
Surrogate: 2,4,6-Tribromophenol	*0.481*		*mg/Kg wet*	*1.0000*		*48*	*30-100*			
LCS (X001524-BS1)				Prepared: 04/02/2014 Analyzed: 04/03/2014						
Acenaphthene	0.674	0.333	mg/Kg wet	0.66667		101	30-140			
4-Chloro-3-methylphenol	1.31	0.666	mg/Kg wet	1.3333		99	30-180			
2-Chlorophenol	1.27	0.333	mg/Kg wet	1.3333		96	35-150			
1,4-Dichlorobenzene	0.601	0.333	mg/Kg wet	0.66667		90	30-105			
2,4-Dinitrotoluene	0.601	0.100	mg/Kg wet	0.66667		90	35-130			
4-Nitrophenol	1.57	1.66	mg/Kg wet	1.3333		118	30-150			
N-Nitroso-di-n-propylamine	0.612	0.00100	mg/Kg wet	0.66667		92	40-130			
Pentachlorophenol	1.33	0.0100	mg/Kg wet	1.3333		100	40-190			
Phenol	1.18	0.333	mg/Kg wet	1.3333		89	30-190			
Pyrene	0.568	0.333	mg/Kg wet	0.66667		85	35-140			
1,2,4-Trichlorobenzene	0.575	0.333	mg/Kg wet	0.66667		86	40-115			
Surrogate: 2-Fluorobiphenyl	*0.644*		*mg/Kg wet*	*0.66667*		*97*	*40-120*			
Surrogate: 2-Fluorophenol	*0.602*		*mg/Kg wet*	*1.0000*		*60*	*20-115*			
Surrogate: Nitrobenzene-d5	*0.628*		*mg/Kg wet*	*0.66667*		*94*	*45-135*			
Surrogate: Phenol-d6	*0.642*		*mg/Kg wet*	*1.0000*		*64*	*20-100*			
Surrogate: 4-Terphenyl-d14	*0.592*		*mg/Kg wet*	*0.66667*		*89*	*60-130*			
Surrogate: 2,4,6-Tribromophenol	*0.494*		*mg/Kg wet*	*1.0000*		*49*	*30-100*			

LABORATORY RESULTS

Client: Professional Testing Service
Project: Chicago Ancillary **Lab Order:** 14D0018

Metals by ICP-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch X001532 - SW 3050B Metals										
Blank (X001532-BLK1)				Prepared: 04/02/2014 Analyzed: 04/03/2014						
Mercury	U	0.0700	mg/Kg wet							
Selenium	U	0.500	mg/Kg wet							
Silver	U	0.500	mg/Kg wet							
LCS (X001532-BS1)				Prepared: 04/02/2014 Analyzed: 04/03/2014						
Mercury	0.942	0.100	mg/Kg wet	1.0000		94	80-120			
Selenium	22.1	0.500	mg/Kg wet	25.000		88	80-120			
Silver	2.57	0.500	mg/Kg wet	2.5000		103	80-120			
Matrix Spike (X001532-MS1)		Source: 14D0018-01		Prepared: 04/02/2014 Analyzed: 04/04/2014						
Mercury	0.953	0.133	mg/Kg dry	1.3335	ND	71	75-125			S
Selenium	20.7	0.667	mg/Kg dry	33.338	0.150	62	75-125			S
Silver	3.22	0.667	mg/Kg dry	3.3338	0.942	68	75-125			S
Matrix Spike Dup (X001532-MSD1)		Source: 14D0018-01		Prepared: 04/02/2014 Analyzed: 04/04/2014						
Mercury	0.922	0.133	mg/Kg dry	1.3335	ND	69	75-125	3	20	S
Selenium	20.4	0.667	mg/Kg dry	33.338	0.150	61	75-125	2	20	S
Silver	2.58	0.667	mg/Kg dry	3.3338	0.942	49	75-125	22	20	R, S

LABORATORY RESULTS

Client: Professional Testing Service
Project: Chicago Ancillary **Lab Order:** 14D0018

Metals by ICP - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch X001530 - SW 3050B Metals										
Blank (X001530-BLK1)				Prepared: 04/02/2014 Analyzed: 04/04/2014						
Arsenic	U	0.500	mg/Kg wet							
Barium	U	0.250	mg/Kg wet							
Cadmium	U	0.250	mg/Kg wet							
Chromium	U	0.250	mg/Kg wet							
Lead	U	0.250	mg/Kg wet							
LCS (X001530-BS1)				Prepared: 04/02/2014 Analyzed: 04/04/2014						
Arsenic	25.6	0.500	mg/Kg wet	25.000		102	85-115			
Barium	25.4	0.250	mg/Kg wet	25.000		101	85-115			
Cadmium	25.6	0.250	mg/Kg wet	25.000		103	85-115			
Chromium	25.5	0.250	mg/Kg wet	25.000		102	85-115			
Lead	25.5	0.250	mg/Kg wet	25.000		102	85-115			
Matrix Spike (X001530-MS1)		Source: 14D0018-01		Prepared: 04/02/2014 Analyzed: 04/04/2014						
Arsenic	24.2	0.665	mg/Kg dry	33.271	2.41	65	75-125			S
Barium	32.9	0.333	mg/Kg dry	33.271	20.1	39	75-125			S
Cadmium	21.9	0.333	mg/Kg dry	33.271	0.246	65	75-125			S
Chromium	24.9	0.333	mg/Kg dry	33.271	6.22	56	75-125			S
Lead	30.7	0.333	mg/Kg dry	33.271	14.6	49	75-125			S
Matrix Spike Dup (X001530-MSD1)		Source: 14D0018-01		Prepared: 04/02/2014 Analyzed: 04/04/2014						
Arsenic	23.1	0.663	mg/Kg dry	33.172	2.41	62	75-125	4	20	S
Barium	33.8	0.332	mg/Kg dry	33.172	20.1	41	75-125	3	20	S
Cadmium	21.0	0.332	mg/Kg dry	33.172	0.246	63	75-125	4	20	S
Chromium	23.8	0.332	mg/Kg dry	33.172	6.22	53	75-125	4	20	S
Lead	29.8	0.332	mg/Kg dry	33.172	14.6	46	75-125	3	20	S

LABORATORY RESULTS

Client: Professional Testing Service
Project: Chicago Ancillary **Lab Order:** 14D0018

Conventional Chemistry Parameters - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch X001521 - ASTM D2974 Solids										
Blank (X001521-BLK1)				Prepared: 04/02/2014 Analyzed: 04/03/2014						
Percent Solids	U	0.100	%							
Duplicate (X001521-DUP1)		**Source: 14D0023-05**		Prepared: 04/02/2014 Analyzed: 04/03/2014						
Percent Solids	77.7	0.100	%		78.2			0.6	20	
Batch X001567 - SW 9045C pH										
Duplicate (X001567-DUP1)		**Source: 14D0072-01**		Prepared & Analyzed: 04/04/2014						
pH	8.2	0.010	pH Units		8.2			0.09	5	

LABORATORY RESULTS

Client: Professional Testing Service
Project: Chicago Ancillary **Lab Order:** 14D0018

Notes and Definitions

S2	Surrogate recovery exceeds the acceptance criteria due to matrix interference, but there is no observable concentration in associated analyte(s).
S	Spike recovery outside acceptance limits.
R	RPD outside acceptance limits.
M	Reporting limit set between LOQ and MDL.
J	Analyte detected between reporting level and MDL.
I	Matrix interference.
E	Result above quantitation range.
C1	Analyte result confirmed by second analysis.
*	NELAC certified compound.
U	Analyte not detected (i.e. less than RL or MDL).

Chain of Custody Record

Central IL - 1210 Capital Airport Drive - Springfield, IL 62707-8490 - Phone (217) 753-1148 - Facsimile (217) 753-1152
Chicago IL Office - 9114 Virginia Rd., Ste 112 - Lake in the Hills, IL 60156 - Phone (847) 651-2604 - Facsimile (847) 458-9680
Central/Southern IL Office - Phone (217) 414-7762 - Facsimile (217) 223-7922

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☐ B ☐ E
☐ C ☐ F
☐ Resid
☐ Indust

Sample Description	Sampling Date	Sampling Time	Matrix Code	Preserv Code	No. of Containers	Composite	Grab	pH	VOC	SVOC	RCRA8						Sample Comments
2500 Martin Luther King dr	3/28/2014	12:30pm					X	X	X	X	X						

Matrix Code	A - Aqueous	DW - Drinking Water	GW - Ground Water	NA - Non-Aqueous Liquid	S - Solid	O - Oil	X - Other (Specify)
Preserv Code	0 - None	1 - HCl	2 - H2SO4	3 - HNO3	4 - NaOH	5 - 5035 Kit	X - Other (Specify)

Relinquished By	Date	Time	Received By	Date	Time	Method of Shipment
Kristin Andras	3/28/2014	2:30pm	Matthew R Vernetta	3/28/14	1430	
no [illegible]	3/31/14	1700	[illegible]	4-1-14	11:05	UPS

Special Instructions:

Turnaround Time: Standard ☒ Rush ☐
Date Required:

QC Level: 1 ☒ 2 ☐ 3 ☐ 4 ☐

On wet ice? Yes / No

Temperature (°C): 3.0

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PAS COC Rev. 3

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