environmental services, inc.

0316055033 – Cook County
American Drapery Cleaners
Incident # 952028
Leaking UST Technical File

October 17, 2016

Ms. Melinda Weller
Illinois Environmental Protection Agency
Division of Land Pollution Control
Leaking Underground Storage Tank Section
State Sites Unit
1021 North Grand Avenue East
Springfield, Illinois 62794-9276

Re: LPC #: 0316055033 - Cook County
American Drapery Cleaners
2239 West Roscoe Avenue
Chicago, Illinois
LUST Incident No. 952028
LUST Technical File

Dear Ms. Weller:

A No Further Remediation (NFR) letter dated February 13, 1998 was issued to the above location (the Site) for leaking underground storage tank (LUST) incident #: 952028 with a land use restriction of industrial/commercial. Several naphtha underground storage tanks (USTs) had been removed or abandoned at the Site; soil borings were conducted and the results submitted to the Illinois Environmental Protection Agency (IEPA) in a Corrective Action Completion Report (CACR). Review of the laboratory results from the CACR identified no concentrations of contaminants above 35 Illinois Administrative Code Part 742, titled *Tiered Approach to Corrective Action Objectives* (TACO), Tier 1 soil remediation objectives (SROs) for residential land use (the most stringent SROs). **The purpose of this submittal is to request that the existing NFR letter be amended to allow for residential land use based on the additional sampling data presented below. As stated in that NFR letter, the land use limitation may be revised should further investigation or remedial action demonstrate the attainment of objectives appropriate for the new land use.**

To verify the original results, EPS Environmental Services, Inc. (EPS Environmental) obtained five (5) soil samples (EF-4', NB-12', SF-6', WF-6' and NF-2') at locations of previously obtained samples from the UST excavation. The samples were obtained using a track-mounted, hydraulically-powered percussion/probing device (Geoprobe®) to advance a two-inch diameter steel drive point to the top of the desired sampling interval. Soil samples were collected in 48-inch intervals by advancing one and two inch diameter steel thin-wall probe samplers. Samplers were attached to the leading end of extension probe rods, and driven downward until desired target depths were reached. After the desired sampling interval was obtained, the sampler was extracted, opened and the samples were collected.

Duplicate soil samples were collected from each sampling interval. The first sample was collected by inserting an Easy Draw® syringe through an opening in the sampling tube into the soil, deposited into 40-milliliter (mL) glass vials preserved with methanol or sodium bisulfite, then placed onto a scale to ensure a minimum of five (5) grams of sample was obtained. The second sample was placed into a glass jar and sealed with a Teflon®-lined plastic lid, allowing no head space. The sampling was conducted according to SW-846 Method 5035 methodology.

All downhole sampling equipment was cleaned with water and non-alkaline soap between each sampling event. This procedure was used to minimize the possibility of cross contamination. After sampling was complete, the boreholes were properly abandoned to grade with hydrated bentonite pellets and concrete patch. The soil boring locations are depicted on Figure 2 - Boring and Soil Gas Sample Location Map following the text of this Report.

The soil samples were obtained as previously described, chilled, and transported under chain of custody to Environmental Monitoring and Technologies, Inc. of Morton Grove, Illinois. The representative soil samples were analyzed for volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs), indicator contaminants associated with naphtha and cleaning solvents, materials released from the removed USTs. Analyses were conducted in accordance with SW-846, *Test Methods for Evaluating Solid Waste*, using appropriate USEPA methodology. See Appendix B for Chain of Custody Record.

To assess potential detrimental environmental impacts, 35 Illinois Administrative Code Part 742, titled *Tiered Approach to Corrective Action Objectives* (TACO), Tier 1 soil remediation objectives (SROs) and groundwater remediation objectives (GROs) were used as a guideline for qualifying the concerns associated with contaminated soil and groundwater. SROs and GROs are numerical concentration goals for contaminated soil and groundwater. Tier 1 SROs are further separated into two objectives dependent on intended land use (either residential or commercial/industrial). The TACO remediation objectives apply to sites where the IEPA has requested or forced remedial actions, or to sites where voluntary cleanups have been initiated under IEPA supervision.

To apply TACO Tier 1 SROs, four (4) exposure routes must be addressed: ingestion, inhalation, potential to contaminate groundwater and indoor inhalation. GROs and the potential to contaminate groundwater SROs are further separated into two objectives dependent on Class I or Class II groundwater designation. The IEPA generally will take a more conservative approach by assuming Class I groundwater to be present, unless otherwise documented.

Varying concentrations of VOCs were identified above laboratory reporting limits in soil sample WF-6'. No concentrations of VOCs or SVOCs were identified above reporting limits in any of the remaining analyzed soil samples. The concentrations of VOCs were below the TACO Tier 1 SROs for residential land use and Class I Groundwater (the most stringent SROs)

To address the indoor inhalation exposure route, two (2) soil gas samples (SG-1 and SG-2) were obtained in the area of the former/current USTs on the Site. Soil gas sampling was conducted using a Post Run Tubing (PRT) sampling system. A two-inch diameter steel extension probe rod fitted with a PRT expendable point holder (point holder) and expendable point was driven to a depth of four (4) feet for the borings. After the desired interval was reached the probe rods were retracted six (6) inches to release the expendable point and expose the point holder to the soil. The probe rod was sealed at the surface with quick setting concrete and the system was allowed to equilibrate for 30 minutes. Prior to soil gas sampling, the boring was purged by evacuating three (3) times the volume of the sampling system using a plastic syringe. After the system was purged a shut-in test was performed to confirm that there were no leaks associated with the Summa canister prior to sampling.

The soil gas samples were obtained using Teflon® tubing fitted with a PRT adapter connected to the point holder at desired depth. A one-liter Summa canister fitted with a time sensitive regulator (flow rate set to ≤ 200 mL min^{-1}) was connected to the exposed end of tubing for the collection of volatile chemicals (VCs). Isopropyl alcohol wetted towels were placed around the seal at the ground, probe rods and the fittings on the Summa canister to test for leakage. The Summa canister was transported to STAT Analytical Corporation of Chicago, Illinois (STAT) for analysis of volatile chemicals (VCs) using TO-15 and NIOSH 6009 methods.

Varying concentrations of VCs were identified above laboratory reporting limits in soil gas samples SG-1 and SG-2. The concentrations of VCs were below the TACO Tier soil gas remediation objectives (SGROs) for residential land use (Table H), the most stringent SGROs.

Refer to Appendix B for Laboratory Reports and Chains of Custody, and Appendix C for Comparison Tables for the analyzed soil and soil gas samples.

Based on the results of the additional investigation EPS Environmental is requesting the NFR letter dated February 13, 1998 be amended to allow residential land use. Should you have any questions, or need additional information, please feel free to contact me at your convenience.

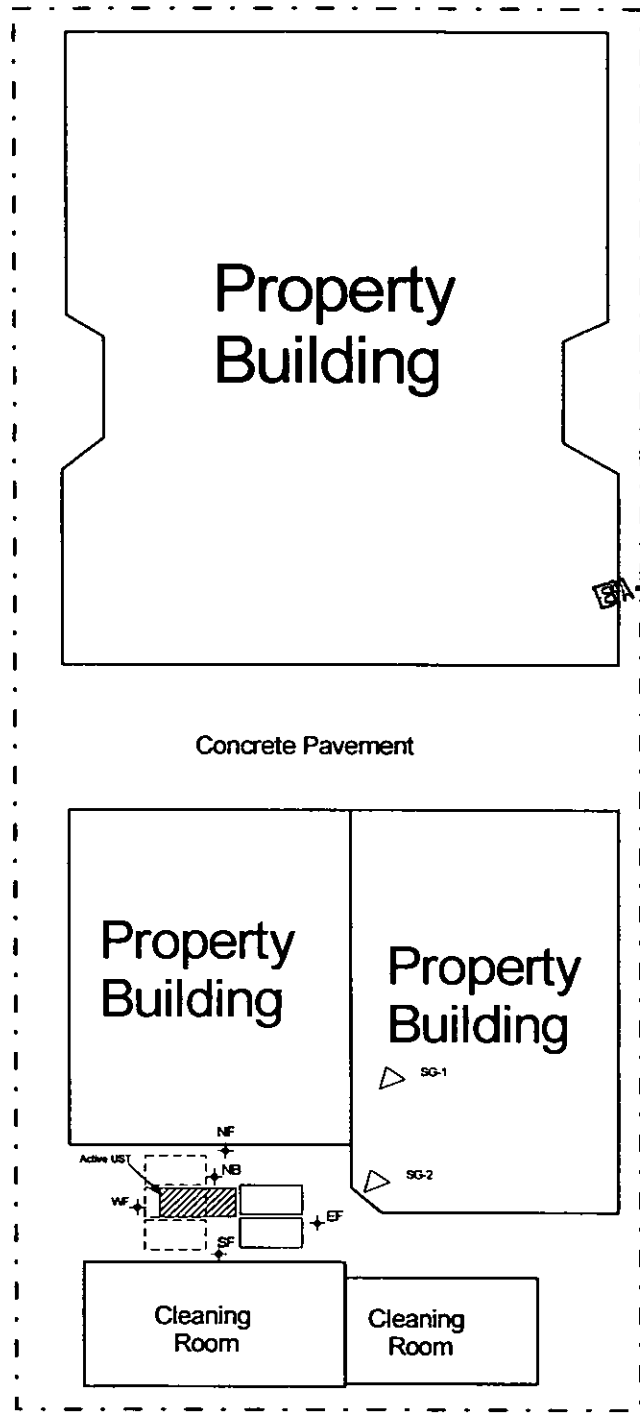
Sincerely,

Nicholas J. Cazzone, P.E.
Senior Project Engineer

APPENDIX A

Figures

WEST ROSCOE STREET



Public Alley

WF = Approximate Soil Boring Location

SG-2 = Approximate Soil Gas Sample Location

= Approximate Removed UST Location

= Approximate Abandoned UST Location

Figure 1 - Site Map

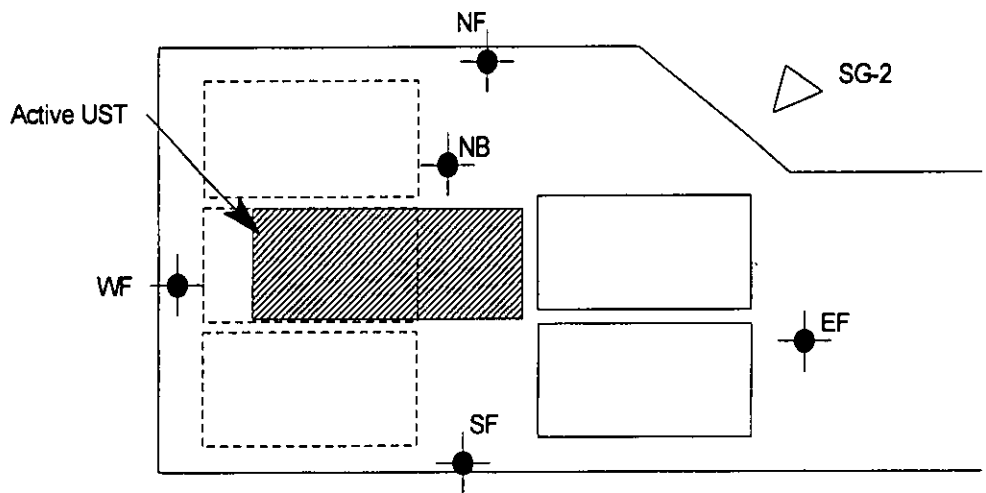
2235-2239 West Roscoe Street
Chicago, Illinois

North

EPS Environmental Services, Inc.
7237 West Devon Avenue, Chicago, Illinois 60631

not to scale
Date: 10/17/16

Project #:17460-0816



WF = Approximate Soil Boring Location

SG-2 = Approximate Soil Gas Sample Location

= Approximate Removed UST Location

= Approximate Abandoned UST Location

Figure 2 - Boring and Soil
Gas Sample Location Map

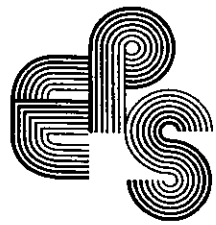
2235-2239 West Roscoe Street
Chicago, Illinois

North

EPS Environmental Services, Inc.
7237 West Devon Avenue, Chicago, Illinois 60631

Approximate Scale
1 inch = 5 feet
0 5

Date: 10/17/16
Project #: 17460-0816



APPENDIX B

Laboratory Report and
Chain of Custody Record

STAT Analysis Corporation
2242 West Harrison St., Suite 200, Chicago, IL 60612-3766
Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com
Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

September 22, 2016

EPS Environmental, Inc.
7237 W. Devon Avenue
Chicago, IL 60631
Telephone: (773) 792-3090
Fax: (773) 792-3091

Analytical Report for STAT Work Order: 16090577 Revision 0

RE: 17460-0816, 2235-2239 West Roscoe Street, Chicago, IL

Dear Nick Cuzzone:

STAT Analysis received 5 samples for the referenced project on 9/14/2016 4:35:00 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,

Justice Kwateng
Project Manager

STAT Analysis Corporation **Date:** September 22, 2016

Client: EPS Environmental, Inc.
Project: 17460-0816, 2235-2239 West Roscoe Street, Chicago **Work Order Sample Summary**
Work Order: 16090577 Revision 0

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
16090577-001A	EF - 4'		9/14/2016 10:15:00 AM	9/14/2016
16090577-001B	EF - 4'		9/14/2016 10:15:00 AM	9/14/2016
16090577-002A	NB - 12'		9/14/2016 10:50:00 AM	9/14/2016
16090577-002B	NB - 12'		9/14/2016 10:50:00 AM	9/14/2016
16090577-003A	SF - 6'		9/14/2016 11:05:00 AM	9/14/2016
16090577-003B	SF - 6'		9/14/2016 11:05:00 AM	9/14/2016
16090577-004A	WF - 6'		9/14/2016 11:30:00 AM	9/14/2016
16090577-004B	WF - 6'		9/14/2016 11:30:00 AM	9/14/2016
16090577-005A	NF - 2'		9/14/2016 11:40:00 AM	9/14/2016
16090577-005B	NF - 2'		9/14/2016 11:40:00 AM	9/14/2016

STAT Analysis Corporation **Date:** *September 22, 2016*

CLIENT:	EPS Environmental, Inc.
Project:	17460-0816, 2235-2239 West Roscoe Street, Chicago, IL
Work Order:	16090577 Revision 0

CASE NARRATIVE

Due to matrix interference, VOC results for the following samples were reported from the 1:50 dilution (Methanol vial).
EF - 4' (16090577-001)
WF - 6' (16090577-004)
NF - 2' (16090577-005)

Due to matrix interference, sample EF - 4' (16090577-001) has VOC surrogate Toluene-d8 outside of control limits (133% recovery, QC Limits: 73-122%). Recovery of all other surrogates were within control limits.

Due to matrix interference, sample WF - 6' (16090577-004) has VOC surrogate Toluene-d8 outside of control limits (146% recovery, QC Limits: 73-122%). Recovery of all other surrogates were within control limits.

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Accreditations:IEPA ELAP 100445;ORELAP IL300001;AIHA-LAP, LLC 101160;NVLAP LabCode 101202-0

Date Reported: September 22, 2016
Date Printed: September 22, 2016

ANALYTICAL RESULTS

Client: EPS Environmental, Inc.
Work Order: 16090577 Revision 0
Project: 17460-0816, 2235-2239 West Roscoe Street, Chic
Lab ID: 16090577-001

Client Sample ID: EF - 4'
Collection Date: 9/14/2016 10:15:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS	**SW5035/8260B**			Prep Date: **9/14/2016**		Analyst: **PS**
Acetone	ND	4.7		mg/Kg-dry	50	9/19/2016
Benzene	ND	0.13		mg/Kg-dry	50	9/19/2016
Bromodichloromethane	ND	0.32		mg/Kg-dry	50	9/19/2016
Bromoform	ND	0.32		mg/Kg-dry	50	9/19/2016
Bromomethane	ND	0.63		mg/Kg-dry	50	9/19/2016
2-Butanone	ND	4.7		mg/Kg-dry	50	9/19/2016
Carbon disulfide	ND	3.2		mg/Kg-dry	50	9/19/2016
Carbon tetrachloride	ND	0.32		mg/Kg-dry	50	9/19/2016
Chlorobenzene	ND	0.32		mg/Kg-dry	50	9/19/2016
Chloroethane	ND	0.63		mg/Kg-dry	50	9/19/2016
Chloroform	ND	0.32		mg/Kg-dry	50	9/19/2016
Chloromethane	ND	0.63		mg/Kg-dry	50	9/19/2016
Dibromochloromethane	ND	0.32		mg/Kg-dry	50	9/19/2016
1,1-Dichloroethane	ND	0.32		mg/Kg-dry	50	9/19/2016
1,2-Dichloroethane	ND	0.32		mg/Kg-dry	50	9/19/2016
1,1-Dichloroethene	ND	0.32		mg/Kg-dry	50	9/19/2016
cis-1,2-Dichloroethene	ND	0.32		mg/Kg-dry	50	9/19/2016
trans-1,2-Dichloroethene	ND	0.32		mg/Kg-dry	50	9/19/2016
1,2-Dichloropropane	ND	0.32		mg/Kg-dry	50	9/19/2016
cis-1,3-Dichloropropene	ND	0.13		mg/Kg-dry	50	9/19/2016
trans-1,3-Dichloropropene	ND	0.13		mg/Kg-dry	50	9/19/2016
Ethylbenzene	ND	0.32		mg/Kg-dry	50	9/19/2016
2-Hexanone	ND	1.3		mg/Kg-dry	50	9/19/2016
4-Methyl-2-pentanone	ND	1.3		mg/Kg-dry	50	9/19/2016
Methylene chloride	ND	0.63		mg/Kg-dry	50	9/19/2016
Methyl tert-butyl ether	ND	0.32		mg/Kg-dry	50	9/19/2016
Styrene	ND	0.32		mg/Kg-dry	50	9/19/2016
1,1,2,2-Tetrachloroethane	ND	0.32		mg/Kg-dry	50	9/19/2016
Tetrachloroethene	ND	0.32		mg/Kg-dry	50	9/19/2016
Toluene	ND	0.32		mg/Kg-dry	50	9/19/2016
1,1,1-Trichloroethane	ND	0.32		mg/Kg-dry	50	9/19/2016
1,1,2-Trichloroethane	ND	0.32		mg/Kg-dry	50	9/19/2016
Trichloroethene	ND	0.32		mg/Kg-dry	50	9/19/2016
Vinyl chloride	ND	0.32		mg/Kg-dry	50	9/19/2016
Xylenes, Total	ND	0.95		mg/Kg-dry	50	9/19/2016
Semivolatile Organic Compounds by GC/MS	**SW8270C (SW3550B)**			Prep Date: **9/19/2016**		Analyst: **ERP**
Acenaphthene	ND	0.040		mg/Kg-dry	1	9/19/2016
Acenaphthylene	ND	0.040		mg/Kg-dry	1	9/19/2016

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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STAT Analysis Corporation
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Accreditations:IEPA ELAP 100445;ORELAP IL300001;AIHA-LAP, LLC 101160;NVLAP LabCode 101202-0

Date Reported: September 22, 2016
Date Printed: September 22, 2016

ANALYTICAL RESULTS

Client: EPS Environmental, Inc.
Work Order: 16090577 Revision 0
Project: 17460-0816, 2235-2239 West Roscoe Street, Chic
Lab ID: 16090577-001

Client Sample ID: EF - 4'
Collection Date: 9/14/2016 10:15:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	**SW8270C (SW3550B)**			Prep Date: **9/19/2016**		Analyst: **ERP**
Aniline	ND	0.40		mg/Kg-dry	1	9/19/2016
Anthracene	ND	0.040		mg/Kg-dry	1	9/19/2016
Benz(a)anthracene	ND	0.040		mg/Kg-dry	1	9/19/2016
Benzidine	ND	0.40		mg/Kg-dry	1	9/19/2016
Benzo(a)pyrene	ND	0.040		mg/Kg-dry	1	9/19/2016
Benzo(b)fluoranthene	ND	0.040		mg/Kg-dry	1	9/19/2016
Benzo(g,h,i)perylene	ND	0.040		mg/Kg-dry	1	9/19/2016
Benzo(k)fluoranthene	ND	0.040		mg/Kg-dry	1	9/19/2016
Benzoic acid	ND	1.0		mg/Kg-dry	1	9/19/2016
Benzyl alcohol	ND	0.20		mg/Kg-dry	1	9/19/2016
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg-dry	1	9/19/2016
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg-dry	1	9/19/2016
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	9/19/2016
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	9/19/2016
Butyl benzyl phthalate	ND	0.20		mg/Kg-dry	1	9/19/2016
Carbazole	ND	0.20		mg/Kg-dry	1	9/19/2016
4-Chloroaniline	ND	0.20		mg/Kg-dry	1	9/19/2016
4-Chloro-3-methylphenol	ND	0.40		mg/Kg-dry	1	9/19/2016
2-Chloronaphthalene	ND	0.20		mg/Kg-dry	1	9/19/2016
2-Chlorophenol	ND	0.20		mg/Kg-dry	1	9/19/2016
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg-dry	1	9/19/2016
Chrysene	ND	0.040		mg/Kg-dry	1	9/19/2016
Dibenz(a,h)anthracene	ND	0.040		mg/Kg-dry	1	9/19/2016
Dibenzofuran	ND	0.20		mg/Kg-dry	1	9/19/2016
1,2-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	9/19/2016
1,3-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	9/19/2016
1,4-Dichlorobenzene	ND	0.20		mg/Kg-dry	1	9/19/2016
3,3'-Dichlorobenzidine	ND	0.20		mg/Kg-dry	1	9/19/2016
2,4-Dichlorophenol	ND	0.20		mg/Kg-dry	1	9/19/2016
Diethyl phthalate	ND	0.20		mg/Kg-dry	1	9/19/2016
2,4-Dimethylphenol	ND	0.20		mg/Kg-dry	1	9/19/2016
Dimethyl phthalate	ND	0.20		mg/Kg-dry	1	9/19/2016
4,6-Dinitro-2-methylphenol	ND	0.40		mg/Kg-dry	1	9/19/2016
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	9/19/2016
2,4-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	9/19/2016
2,6-Dinitrotoluene	ND	0.040		mg/Kg-dry	1	9/19/2016
Di-n-butyl phthalate	ND	0.20		mg/Kg-dry	1	9/19/2016
Di-n-octyl phthalate	ND	0.20		mg/Kg-dry	1	9/19/2016

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Date Reported: September 22, 2016
Date Printed: September 22, 2016

ANALYTICAL RESULTS

Client: EPS Environmental, Inc.
Work Order: 16090577 Revision 0
Project: 17460-0816, 2235-2239 West Roscoe Street, Chic
Lab ID: 16090577-001

Client Sample ID: EF - 4'
Collection Date: 9/14/2016 10:15:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	**SW8270C (SW3550B)**			Prep Date: **9/19/2016**		Analyst: ERP
Fluoranthene	ND	0.040		mg/Kg-dry	1	9/19/2016
Fluorene	ND	0.040		mg/Kg-dry	1	9/19/2016
Hexachlorobenzene	ND	0.20		mg/Kg-dry	1	9/19/2016
Hexachlorobutadiene	ND	0.20		mg/Kg-dry	1	9/19/2016
Hexachlorocyclopentadiene	ND	0.20		mg/Kg-dry	1	9/19/2016
Hexachloroethane	ND	0.20		mg/Kg-dry	1	9/19/2016
Indeno(1,2,3-cd)pyrene	ND	0.040		mg/Kg-dry	1	9/19/2016
Isophorone	ND	0.20		mg/Kg-dry	1	9/19/2016
2-Methylnaphthalene	ND	0.20		mg/Kg-dry	1	9/19/2016
2-Methylphenol	ND	0.20		mg/Kg-dry	1	9/19/2016
4-Methylphenol	ND	0.20		mg/Kg-dry	1	9/19/2016
Naphthalene	ND	0.040		mg/Kg-dry	1	9/19/2016
2-Nitroaniline	ND	0.20		mg/Kg-dry	1	9/19/2016
3-Nitroaniline	ND	0.20		mg/Kg-dry	1	9/19/2016
4-Nitroaniline	ND	0.20		mg/Kg-dry	1	9/19/2016
2-Nitrophenol	ND	0.20		mg/Kg-dry	1	9/19/2016
4-Nitrophenol	ND	0.40		mg/Kg-dry	1	9/19/2016
Nitrobenzene	ND	0.040		mg/Kg-dry	1	9/19/2016
N-Nitrosodi-n-propylamine	ND	0.040		mg/Kg-dry	1	9/19/2016
N-Nitrosodimethylamine	ND	0.20		mg/Kg-dry	1	9/19/2016
N-Nitrosodiphenylamine	ND	0.20		mg/Kg-dry	1	9/19/2016
2, 2'-oxybis(1-Chloropropane)	ND	0.20		mg/Kg-dry	1	9/19/2016
Pentachlorophenol	ND	0.081		mg/Kg-dry	1	9/19/2016
Phenanthrene	ND	0.040		mg/Kg-dry	1	9/19/2016
Phenol	ND	0.20		mg/Kg-dry	1	9/19/2016
Pyrene	ND	0.040		mg/Kg-dry	1	9/19/2016
Pyridine	ND	0.81		mg/Kg-dry	1	9/19/2016
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg-dry	1	9/19/2016
2,4,5-Trichlorophenol	ND	0.20		mg/Kg-dry	1	9/19/2016
2,4,6-Trichlorophenol	ND	0.20		mg/Kg-dry	1	9/19/2016
Percent Moisture	**D2974**			Prep Date: **9/15/2016**		Analyst: GH
Percent Moisture	18.0	0.2	*	wt%	1	9/16/2016

Qualifiers:
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J - Analyte detected below quanititation limits
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Date Reported: September 22, 2016
Date Printed: September 22, 2016

ANALYTICAL RESULTS

Client: EPS Environmental, Inc.
Work Order: 16090577 Revision 0
Project: 17460-0816, 2235-2239 West Roscoe Street, Chic
Lab ID: 16090577-002

Client Sample ID: NB - 12'
Collection Date: 9/14/2016 10:50:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS	**SW5035/8260B**			Prep Date: **9/14/2016**		Analyst: **PS**
Acetone	ND	0.10		mg/Kg-dry	1	9/16/2016
Benzene	ND	0.0068		mg/Kg-dry	1	9/16/2016
Bromodichloromethane	ND	0.0068		mg/Kg-dry	1	9/16/2016
Bromoform	ND	0.0068		mg/Kg-dry	1	9/16/2016
Bromomethane	ND	0.014		mg/Kg-dry	1	9/16/2016
2-Butanone	ND	0.10		mg/Kg-dry	1	9/16/2016
Carbon disulfide	ND	0.068		mg/Kg-dry	1	9/16/2016
Carbon tetrachloride	ND	0.0068		mg/Kg-dry	1	9/16/2016
Chlorobenzene	ND	0.0068		mg/Kg-dry	1	9/16/2016
Chloroethane	ND	0.014		mg/Kg-dry	1	9/16/2016
Chloroform	ND	0.0068		mg/Kg-dry	1	9/16/2016
Chloromethane	ND	0.014		mg/Kg-dry	1	9/16/2016
Dibromochloromethane	ND	0.0068		mg/Kg-dry	1	9/16/2016
1,1-Dichloroethane	ND	0.0068		mg/Kg-dry	1	9/16/2016
1,2-Dichloroethane	ND	0.0068		mg/Kg-dry	1	9/16/2016
1,1-Dichloroethene	ND	0.0068		mg/Kg-dry	1	9/16/2016
cis-1,2-Dichloroethene	ND	0.0068		mg/Kg-dry	1	9/16/2016
trans-1,2-Dichloroethene	ND	0.0068		mg/Kg-dry	1	9/16/2016
1,2-Dichloropropane	ND	0.0068		mg/Kg-dry	1	9/16/2016
cis-1,3-Dichloropropene	ND	0.0027		mg/Kg-dry	1	9/16/2016
trans-1,3-Dichloropropene	ND	0.0027		mg/Kg-dry	1	9/16/2016
Ethylbenzene	ND	0.0068		mg/Kg-dry	1	9/16/2016
2-Hexanone	ND	0.027		mg/Kg-dry	1	9/16/2016
4-Methyl-2-pentanone	ND	0.027		mg/Kg-dry	1	9/16/2016
Methylene chloride	ND	0.014		mg/Kg-dry	1	9/16/2016
Methyl tert-butyl ether	ND	0.0068		mg/Kg-dry	1	9/16/2016
Styrene	ND	0.0068		mg/Kg-dry	1	9/16/2016
1,1,2,2-Tetrachloroethane	ND	0.0068		mg/Kg-dry	1	9/16/2016
Tetrachloroethene	ND	0.0068		mg/Kg-dry	1	9/16/2016
Toluene	ND	0.0068		mg/Kg-dry	1	9/16/2016
1,1,1-Trichloroethane	ND	0.0068		mg/Kg-dry	1	9/16/2016
1,1,2-Trichloroethane	ND	0.0068		mg/Kg-dry	1	9/16/2016
Trichloroethene	ND	0.0068		mg/Kg-dry	1	9/16/2016
Vinyl chloride	ND	0.0068		mg/Kg-dry	1	9/16/2016
Xylenes, Total	ND	0.020		mg/Kg-dry	1	9/16/2016
Semivolatile Organic Compounds by GC/MS	**SW8270C (SW3550B)**			Prep Date: **9/19/2016**		Analyst: **ERP**
Acenaphthene	ND	0.044		mg/Kg-dry	1	9/19/2016
Acenaphthylene	ND	0.044		mg/Kg-dry	1	9/19/2016

Qualifiers:
ND - Not Detected at the Reporting Limit
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HT - Sample received past holding time
* - Non-accredited parameter
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Accreditations:IEPA ELAP 100445;ORELAP IL300001;AIHA-LAP, LLC 101160;NVLAP LabCode 101202-0

Date Reported: September 22, 2016
Date Printed: September 22, 2016

ANALYTICAL RESULTS

Client: EPS Environmental, Inc.
Work Order: 16090577 Revision 0
Project: 17460-0816, 2235-2239 West Roscoe Street, Chic
Lab ID: 16090577-002

Client Sample ID: NB - 12'
Collection Date: 9/14/2016 10:50:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	**SW8270C (SW3550B)**			Prep Date: **9/19/2016**		Analyst: ERP
Aniline	ND	0.45		mg/Kg-dry	1	9/19/2016
Anthracene	ND	0.044		mg/Kg-dry	1	9/19/2016
Benz(a)anthracene	ND	0.044		mg/Kg-dry	1	9/19/2016
Benzidine	ND	0.44		mg/Kg-dry	1	9/19/2016
Benzo(a)pyrene	ND	0.044		mg/Kg-dry	1	9/19/2016
Benzo(b)fluoranthene	ND	0.044		mg/Kg-dry	1	9/19/2016
Benzo(g,h,i)perylene	ND	0.044		mg/Kg-dry	1	9/19/2016
Benzo(k)fluoranthene	ND	0.044		mg/Kg-dry	1	9/19/2016
Benzoic acid	ND	1.1		mg/Kg-dry	1	9/19/2016
Benzyl alcohol	ND	0.23		mg/Kg-dry	1	9/19/2016
Bis(2-chloroethoxy)methane	ND	0.23		mg/Kg-dry	1	9/19/2016
Bis(2-chloroethyl)ether	ND	0.23		mg/Kg-dry	1	9/19/2016
Bis(2-ethylhexyl)phthalate	ND	1.1		mg/Kg-dry	1	9/19/2016
4-Bromophenyl phenyl ether	ND	0.23		mg/Kg-dry	1	9/19/2016
Butyl benzyl phthalate	ND	0.23		mg/Kg-dry	1	9/19/2016
Carbazole	ND	0.23		mg/Kg-dry	1	9/19/2016
4-Chloroaniline	ND	0.23		mg/Kg-dry	1	9/19/2016
4-Chloro-3-methylphenol	ND	0.44		mg/Kg-dry	1	9/19/2016
2-Chloronaphthalene	ND	0.23		mg/Kg-dry	1	9/19/2016
2-Chlorophenol	ND	0.23		mg/Kg-dry	1	9/19/2016
4-Chlorophenyl phenyl ether	ND	0.23		mg/Kg-dry	1	9/19/2016
Chrysene	ND	0.044		mg/Kg-dry	1	9/19/2016
Dibenz(a,h)anthracene	ND	0.044		mg/Kg-dry	1	9/19/2016
Dibenzofuran	ND	0.23		mg/Kg-dry	1	9/19/2016
1,2-Dichlorobenzene	ND	0.23		mg/Kg-dry	1	9/19/2016
1,3-Dichlorobenzene	ND	0.23		mg/Kg-dry	1	9/19/2016
1,4-Dichlorobenzene	ND	0.23		mg/Kg-dry	1	9/19/2016
3,3'-Dichlorobenzidine	ND	0.23		mg/Kg-dry	1	9/19/2016
2,4-Dichlorophenol	ND	0.23		mg/Kg-dry	1	9/19/2016
Diethyl phthalate	ND	0.23		mg/Kg-dry	1	9/19/2016
2,4-Dimethylphenol	ND	0.23		mg/Kg-dry	1	9/19/2016
Dimethyl phthalate	ND	0.23		mg/Kg-dry	1	9/19/2016
4,6-Dinitro-2-methylphenol	ND	0.44		mg/Kg-dry	1	9/19/2016
2,4-Dinitrophenol	ND	1.1		mg/Kg-dry	1	9/19/2016
2,4-Dinitrotoluene	ND	0.044		mg/Kg-dry	1	9/19/2016
2,6-Dinitrotoluene	ND	0.044		mg/Kg-dry	1	9/19/2016
Di-n-butyl phthalate	ND	0.23		mg/Kg-dry	1	9/19/2016
Di-n-octyl phthalate	ND	0.23		mg/Kg-dry	1	9/19/2016

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Date Reported: September 22, 2016
Date Printed: September 22, 2016

ANALYTICAL RESULTS

Client: EPS Environmental, Inc.
Work Order: 16090577 Revision 0
Project: 17460-0816, 2235-2239 West Roscoe Street, Chic
Lab ID: 16090577-002

Client Sample ID: NB - 12'
Collection Date: 9/14/2016 10:50:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	**SW8270C (SW3550B)**			Prep Date: **9/19/2016**		Analyst: **ERP**
Fluoranthene	ND	0.044		mg/Kg-dry	1	9/19/2016
Fluorene	ND	0.044		mg/Kg-dry	1	9/19/2016
Hexachlorobenzene	ND	0.23		mg/Kg-dry	1	9/19/2016
Hexachlorobutadiene	ND	0.23		mg/Kg-dry	1	9/19/2016
Hexachlorocyclopentadiene	ND	0.23		mg/Kg-dry	1	9/19/2016
Hexachloroethane	ND	0.23		mg/Kg-dry	1	9/19/2016
Indeno(1,2,3-cd)pyrene	ND	0.044		mg/Kg-dry	1	9/19/2016
Isophorone	ND	0.23		mg/Kg-dry	1	9/19/2016
2-Methylnaphthalene	ND	0.23		mg/Kg-dry	1	9/19/2016
2-Methylphenol	ND	0.23		mg/Kg-dry	1	9/19/2016
4-Methylphenol	ND	0.23		mg/Kg-dry	1	9/19/2016
Naphthalene	ND	0.044		mg/Kg-dry	1	9/19/2016
2-Nitroaniline	ND	0.23		mg/Kg-dry	1	9/19/2016
3-Nitroaniline	ND	0.23		mg/Kg-dry	1	9/19/2016
4-Nitroaniline	ND	0.23		mg/Kg-dry	1	9/19/2016
2-Nitrophenol	ND	0.23		mg/Kg-dry	1	9/19/2016
4-Nitrophenol	ND	0.44		mg/Kg-dry	1	9/19/2016
Nitrobenzene	ND	0.044		mg/Kg-dry	1	9/19/2016
N-Nitrosodi-n-propylamine	ND	0.044		mg/Kg-dry	1	9/19/2016
N-Nitrosodimethylamine	ND	0.23		mg/Kg-dry	1	9/19/2016
N-Nitrosodiphenylamine	ND	0.23		mg/Kg-dry	1	9/19/2016
2, 2'-oxybis(1-Chloropropane)	ND	0.23		mg/Kg-dry	1	9/19/2016
Pentachlorophenol	ND	0.090		mg/Kg-dry	1	9/19/2016
Phenanthrene	ND	0.044		mg/Kg-dry	1	9/19/2016
Phenol	ND	0.23		mg/Kg-dry	1	9/19/2016
Pyrene	ND	0.044		mg/Kg-dry	1	9/19/2016
Pyridine	ND	0.90		mg/Kg-dry	1	9/19/2016
1,2,4-Trichlorobenzene	ND	0.23		mg/Kg-dry	1	9/19/2016
2,4,5-Trichlorophenol	ND	0.23		mg/Kg-dry	1	9/19/2016
2,4,6-Trichlorophenol	ND	0.23		mg/Kg-dry	1	9/19/2016
Percent Moisture	**D2974**			Prep Date: **9/15/2016**		Analyst: **GH**
Percent Moisture	25.9	0.2	*	wt%	1	9/16/2016

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Date Reported: September 22, 2016
Date Printed: September 22, 2016

ANALYTICAL RESULTS

Client: EPS Environmental, Inc.
Work Order: 16090577 Revision 0
Project: 17460-0816, 2235-2239 West Roscoe Street, Chic
Lab ID: 16090577-003

Client Sample ID: SF - 6'
Collection Date: 9/14/2016 11:05:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS	**SW5035/8260B**			Prep Date: **9/14/2016**		Analyst: **PS**
Acetone	ND	0.078		mg/Kg-dry	1	9/16/2016
Benzene	ND	0.0052		mg/Kg-dry	1	9/16/2016
Bromodichloromethane	ND	0.0052		mg/Kg-dry	1	9/16/2016
Bromoform	ND	0.0052		mg/Kg-dry	1	9/16/2016
Bromomethane	ND	0.010		mg/Kg-dry	1	9/16/2016
2-Butanone	ND	0.078		mg/Kg-dry	1	9/16/2016
Carbon disulfide	ND	0.052		mg/Kg-dry	1	9/16/2016
Carbon tetrachloride	ND	0.0052		mg/Kg-dry	1	9/16/2016
Chlorobenzene	ND	0.0052		mg/Kg-dry	1	9/16/2016
Chloroethane	ND	0.010		mg/Kg-dry	1	9/16/2016
Chloroform	ND	0.0052		mg/Kg-dry	1	9/16/2016
Chloromethane	ND	0.010		mg/Kg-dry	1	9/16/2016
Dibromochloromethane	ND	0.0052		mg/Kg-dry	1	9/16/2016
1,1-Dichloroethane	ND	0.0052		mg/Kg-dry	1	9/16/2016
1,2-Dichloroethane	ND	0.0052		mg/Kg-dry	1	9/16/2016
1,1-Dichloroethene	ND	0.0052		mg/Kg-dry	1	9/16/2016
cis-1,2-Dichloroethene	ND	0.0052		mg/Kg-dry	1	9/16/2016
trans-1,2-Dichloroethene	ND	0.0052		mg/Kg-dry	1	9/16/2016
1,2-Dichloropropane	ND	0.0052		mg/Kg-dry	1	9/16/2016
cis-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	9/16/2016
trans-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	9/16/2016
Ethylbenzene	ND	0.0052		mg/Kg-dry	1	9/16/2016
2-Hexanone	ND	0.021		mg/Kg-dry	1	9/16/2016
4-Methyl-2-pentanone	ND	0.021		mg/Kg-dry	1	9/16/2016
Methylene chloride	ND	0.010		mg/Kg-dry	1	9/16/2016
Methyl tert-butyl ether	ND	0.0052		mg/Kg-dry	1	9/16/2016
Styrene	ND	0.0052		mg/Kg-dry	1	9/16/2016
1,1,2,2-Tetrachloroethane	ND	0.0052		mg/Kg-dry	1	9/16/2016
Tetrachloroethene	ND	0.0052		mg/Kg-dry	1	9/16/2016
Toluene	ND	0.0052		mg/Kg-dry	1	9/16/2016
1,1,1-Trichloroethane	ND	0.0052		mg/Kg-dry	1	9/16/2016
1,1,2-Trichloroethane	ND	0.0052		mg/Kg-dry	1	9/16/2016
Trichloroethene	ND	0.0052		mg/Kg-dry	1	9/16/2016
Vinyl chloride	ND	0.0052		mg/Kg-dry	1	9/16/2016
Xylenes, Total	ND	0.016		mg/Kg-dry	1	9/16/2016
Semivolatile Organic Compounds by GC/MS	**SW8270C (SW3550B)**			Prep Date: **9/19/2016**		Analyst: **ERP**
Acenaphthene	ND	0.042		mg/Kg-dry	1	9/19/2016
Acenaphthylene	ND	0.042		mg/Kg-dry	1	9/19/2016

Qualifiers:
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Date Reported: September 22, 2016
Date Printed: September 22, 2016

ANALYTICAL RESULTS

Client: EPS Environmental, Inc.
Work Order: 16090577 Revision 0
Project: 17460-0816, 2235-2239 West Roscoe Street, Chic
Lab ID: 16090577-003

Client Sample ID: SF - 6'
Collection Date: 9/14/2016 11:05:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	**SW8270C (SW3550B)**			Prep Date: **9/19/2016**		Analyst: **ERP**
Aniline	ND	0.42		mg/Kg-dry	1	9/19/2016
Anthracene	ND	0.042		mg/Kg-dry	1	9/19/2016
Benz(a)anthracene	ND	0.042		mg/Kg-dry	1	9/19/2016
Benzidine	ND	0.42		mg/Kg-dry	1	9/19/2016
Benzo(a)pyrene	ND	0.042		mg/Kg-dry	1	9/19/2016
Benzo(b)fluoranthene	ND	0.042		mg/Kg-dry	1	9/19/2016
Benzo(g,h,i)perylene	ND	0.042		mg/Kg-dry	1	9/19/2016
Benzo(k)fluoranthene	ND	0.042		mg/Kg-dry	1	9/19/2016
Benzoic acid	ND	1.1		mg/Kg-dry	1	9/19/2016
Benzyl alcohol	ND	0.22		mg/Kg-dry	1	9/19/2016
Bis(2-chloroethoxy)methane	ND	0.22		mg/Kg-dry	1	9/19/2016
Bis(2-chloroethyl)ether	ND	0.22		mg/Kg-dry	1	9/19/2016
Bis(2-ethylhexyl)phthalate	ND	1.1		mg/Kg-dry	1	9/19/2016
4-Bromophenyl phenyl ether	ND	0.22		mg/Kg-dry	1	9/19/2016
Butyl benzyl phthalate	ND	0.22		mg/Kg-dry	1	9/19/2016
Carbazole	ND	0.22		mg/Kg-dry	1	9/19/2016
4-Chloroaniline	ND	0.22		mg/Kg-dry	1	9/19/2016
4-Chloro-3-methylphenol	ND	0.42		mg/Kg-dry	1	9/19/2016
2-Chloronaphthalene	ND	0.22		mg/Kg-dry	1	9/19/2016
2-Chlorophenol	ND	0.22		mg/Kg-dry	1	9/19/2016
4-Chlorophenyl phenyl ether	ND	0.22		mg/Kg-dry	1	9/19/2016
Chrysene	ND	0.042		mg/Kg-dry	1	9/19/2016
Dibenz(a,h)anthracene	ND	0.042		mg/Kg-dry	1	9/19/2016
Dibenzofuran	ND	0.22		mg/Kg-dry	1	9/19/2016
1,2-Dichlorobenzene	ND	0.22		mg/Kg-dry	1	9/19/2016
1,3-Dichlorobenzene	ND	0.22		mg/Kg-dry	1	9/19/2016
1,4-Dichlorobenzene	ND	0.22		mg/Kg-dry	1	9/19/2016
3,3'-Dichlorobenzidine	ND	0.22		mg/Kg-dry	1	9/19/2016
2,4-Dichlorophenol	ND	0.22		mg/Kg-dry	1	9/19/2016
Diethyl phthalate	ND	0.22		mg/Kg-dry	1	9/19/2016
2,4-Dimethylphenol	ND	0.22		mg/Kg-dry	1	9/19/2016
Dimethyl phthalate	ND	0.22		mg/Kg-dry	1	9/19/2016
4,6-Dinitro-2-methylphenol	ND	0.42		mg/Kg-dry	1	9/19/2016
2,4-Dinitrophenol	ND	1.1		mg/Kg-dry	1	9/19/2016
2,4-Dinitrotoluene	ND	0.042		mg/Kg-dry	1	9/19/2016
2,6-Dinitrotoluene	ND	0.042		mg/Kg-dry	1	9/19/2016
Di-n-butyl phthalate	ND	0.22		mg/Kg-dry	1	9/19/2016
Di-n-octyl phthalate	ND	0.22		mg/Kg-dry	1	9/19/2016

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Date Reported: September 22, 2016
Date Printed: September 22, 2016

ANALYTICAL RESULTS

Client: EPS Environmental, Inc.
Work Order: 16090577 Revision 0
Project: 17460-0816, 2235-2239 West Roscoe Street, Chic
Lab ID: 16090577-003

Client Sample ID: SF - 6'
Collection Date: 9/14/2016 11:05:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	**SW8270C (SW3550B)**			Prep Date: **9/19/2016**		Analyst: **ERP**
Fluoranthene	ND	0.042		mg/Kg-dry	1	9/19/2016
Fluorene	ND	0.042		mg/Kg-dry	1	9/19/2016
Hexachlorobenzene	ND	0.22		mg/Kg-dry	1	9/19/2016
Hexachlorobutadiene	ND	0.22		mg/Kg-dry	1	9/19/2016
Hexachlorocyclopentadiene	ND	0.22		mg/Kg-dry	1	9/19/2016
Hexachloroethane	ND	0.22		mg/Kg-dry	1	9/19/2016
Indeno(1,2,3-cd)pyrene	ND	0.042		mg/Kg-dry	1	9/19/2016
Isophorone	ND	0.22		mg/Kg-dry	1	9/19/2016
2-Methylnaphthalene	ND	0.22		mg/Kg-dry	1	9/19/2016
2-Methylphenol	ND	0.22		mg/Kg-dry	1	9/19/2016
4-Methylphenol	ND	0.22		mg/Kg-dry	1	9/19/2016
Naphthalene	ND	0.042		mg/Kg-dry	1	9/19/2016
2-Nitroaniline	ND	0.22		mg/Kg-dry	1	9/19/2016
3-Nitroaniline	ND	0.22		mg/Kg-dry	1	9/19/2016
4-Nitroaniline	ND	0.22		mg/Kg-dry	1	9/19/2016
2-Nitrophenol	ND	0.22		mg/Kg-dry	1	9/19/2016
4-Nitrophenol	ND	0.42		mg/Kg-dry	1	9/19/2016
Nitrobenzene	ND	0.042		mg/Kg-dry	1	9/19/2016
N-Nitrosodi-n-propylamine	ND	0.042		mg/Kg-dry	1	9/19/2016
N-Nitrosodimethylamine	ND	0.22		mg/Kg-dry	1	9/19/2016
N-Nitrosodiphenylamine	ND	0.22		mg/Kg-dry	1	9/19/2016
2, 2'-oxybis(1-Chloropropane)	ND	0.22		mg/Kg-dry	1	9/19/2016
Pentachlorophenol	ND	0.085		mg/Kg-dry	1	9/19/2016
Phenanthrene	ND	0.042		mg/Kg-dry	1	9/19/2016
Phenol	ND	0.22		mg/Kg-dry	1	9/19/2016
Pyrene	ND	0.042		mg/Kg-dry	1	9/19/2016
Pyridine	ND	0.85		mg/Kg-dry	1	9/19/2016
1,2,4-Trichlorobenzene	ND	0.22		mg/Kg-dry	1	9/19/2016
2,4,5-Trichlorophenol	ND	0.22		mg/Kg-dry	1	9/19/2016
2,4,6-Trichlorophenol	ND	0.22		mg/Kg-dry	1	9/19/2016
Percent Moisture	**D2974**			Prep Date: **9/15/2016**		Analyst: **GH**
Percent Moisture	22.8	0.2	*	wt%	1	9/16/2016

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
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RL - Reporting / Quantitation Limit for the analysis
S - Spike Recovery outside accepted recovery limits
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Date Reported: September 22, 2016
Date Printed: September 22, 2016

ANALYTICAL RESULTS

Client: EPS Environmental, Inc.
Work Order: 16090577 Revision 0
Project: 17460-0816, 2235-2239 West Roscoe Street, Chic
Lab ID: 16090577-004

Client Sample ID: WF - 6'
Collection Date: 9/14/2016 11:30:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS	**SW5035/8260B**			Prep Date: **9/14/2016**		Analyst: **PS**
Acetone	ND	5.8		mg/Kg-dry	50	9/19/2016
Benzene	ND	0.16		mg/Kg-dry	50	9/19/2016
Bromodichloromethane	ND	0.39		mg/Kg-dry	50	9/19/2016
Bromoform	ND	0.39		mg/Kg-dry	50	9/19/2016
Bromomethane	ND	0.78		mg/Kg-dry	50	9/19/2016
2-Butanone	ND	5.8		mg/Kg-dry	50	9/19/2016
Carbon disulfide	ND	3.9		mg/Kg-dry	50	9/19/2016
Carbon tetrachloride	ND	0.39		mg/Kg-dry	50	9/19/2016
Chlorobenzene	ND	0.39		mg/Kg-dry	50	9/19/2016
Chloroethane	ND	0.78		mg/Kg-dry	50	9/19/2016
Chloroform	ND	0.39		mg/Kg-dry	50	9/19/2016
Chloromethane	ND	0.78		mg/Kg-dry	50	9/19/2016
Dibromochloromethane	ND	0.39		mg/Kg-dry	50	9/19/2016
1,1-Dichloroethane	ND	0.39		mg/Kg-dry	50	9/19/2016
1,2-Dichloroethane	ND	0.39		mg/Kg-dry	50	9/19/2016
1,1-Dichloroethene	ND	0.39		mg/Kg-dry	50	9/19/2016
cis-1,2-Dichloroethene	ND	0.39		mg/Kg-dry	50	9/19/2016
trans-1,2-Dichloroethene	ND	0.39		mg/Kg-dry	50	9/19/2016
1,2-Dichloropropane	ND	0.39		mg/Kg-dry	50	9/19/2016
cis-1,3-Dichloropropene	ND	0.16		mg/Kg-dry	50	9/19/2016
trans-1,3-Dichloropropene	ND	0.16		mg/Kg-dry	50	9/19/2016
Ethylbenzene	1.3	0.39		mg/Kg-dry	50	9/19/2016
2-Hexanone	ND	1.6		mg/Kg-dry	50	9/19/2016
4-Methyl-2-pentanone	ND	1.6		mg/Kg-dry	50	9/19/2016
Methylene chloride	ND	0.78		mg/Kg-dry	50	9/19/2016
Methyl tert-butyl ether	ND	0.39		mg/Kg-dry	50	9/19/2016
Styrene	ND	0.39		mg/Kg-dry	50	9/19/2016
1,1,2,2-Tetrachloroethane	ND	0.39		mg/Kg-dry	50	9/19/2016
Tetrachloroethene	ND	0.39		mg/Kg-dry	50	9/19/2016
Toluene	ND	0.39		mg/Kg-dry	50	9/19/2016
1,1,1-Trichloroethane	ND	0.39		mg/Kg-dry	50	9/19/2016
1,1,2-Trichloroethane	ND	0.39		mg/Kg-dry	50	9/19/2016
Trichloroethene	ND	0.39		mg/Kg-dry	50	9/19/2016
Vinyl chloride	ND	0.39		mg/Kg-dry	50	9/19/2016
Xylenes, Total	8.7	1.2		mg/Kg-dry	50	9/19/2016
Semivolatile Organic Compounds by GC/MS	**SW8270C (SW3550B)**			Prep Date: **9/19/2016**		Analyst: **ERP**
Acenaphthene	ND	0.042		mg/Kg-dry	1	9/20/2016
Acenaphthylene	ND	0.042		mg/Kg-dry	1	9/20/2016

Qualifiers:
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HT - Sample received past holding time
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Date Reported: September 22, 2016
Date Printed: September 22, 2016

ANALYTICAL RESULTS

Client: EPS Environmental, Inc.
Work Order: 16090577 Revision 0
Project: 17460-0816, 2235-2239 West Roscoe Street, Chic
Lab ID: 16090577-004

Client Sample ID: WF - 6'
Collection Date: 9/14/2016 11:30:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	**SW8270C (SW3550B)**			Prep Date: **9/19/2016**		Analyst: **ERP**
Aniline	ND	0.42		mg/Kg-dry	1	9/20/2016
Anthracene	ND	0.042		mg/Kg-dry	1	9/20/2016
Benz(a)anthracene	ND	0.042		mg/Kg-dry	1	9/20/2016
Benzidine	ND	0.42		mg/Kg-dry	1	9/20/2016
Benzo(a)pyrene	ND	0.042		mg/Kg-dry	1	9/20/2016
Benzo(b)fluoranthene	ND	0.042		mg/Kg-dry	1	9/20/2016
Benzo(g,h,i)perylene	ND	0.042		mg/Kg-dry	1	9/20/2016
Benzo(k)fluoranthene	ND	0.042		mg/Kg-dry	1	9/20/2016
Benzoic acid	ND	1.1		mg/Kg-dry	1	9/20/2016
Benzyl alcohol	ND	0.22		mg/Kg-dry	1	9/20/2016
Bis(2-chloroethoxy)methane	ND	0.22		mg/Kg-dry	1	9/20/2016
Bis(2-chloroethyl)ether	ND	0.22		mg/Kg-dry	1	9/20/2016
Bis(2-ethylhexyl)phthalate	ND	1.1		mg/Kg-dry	1	9/20/2016
4-Bromophenyl phenyl ether	ND	0.22		mg/Kg-dry	1	9/20/2016
Butyl benzyl phthalate	ND	0.22		mg/Kg-dry	1	9/20/2016
Carbazole	ND	0.22		mg/Kg-dry	1	9/20/2016
4-Chloroaniline	ND	0.22		mg/Kg-dry	1	9/20/2016
4-Chloro-3-methylphenol	ND	0.42		mg/Kg-dry	1	9/20/2016
2-Chloronaphthalene	ND	0.22		mg/Kg-dry	1	9/20/2016
2-Chlorophenol	ND	0.22		mg/Kg-dry	1	9/20/2016
4-Chlorophenyl phenyl ether	ND	0.22		mg/Kg-dry	1	9/20/2016
Chrysene	ND	0.042		mg/Kg-dry	1	9/20/2016
Dibenz(a,h)anthracene	ND	0.042		mg/Kg-dry	1	9/20/2016
Dibenzofuran	ND	0.22		mg/Kg-dry	1	9/20/2016
1,2-Dichlorobenzene	ND	0.22		mg/Kg-dry	1	9/20/2016
1,3-Dichlorobenzene	ND	0.22		mg/Kg-dry	1	9/20/2016
1,4-Dichlorobenzene	ND	0.22		mg/Kg-dry	1	9/20/2016
3,3'-Dichlorobenzidine	ND	0.22		mg/Kg-dry	1	9/20/2016
2,4-Dichlorophenol	ND	0.22		mg/Kg-dry	1	9/20/2016
Diethyl phthalate	ND	0.22		mg/Kg-dry	1	9/20/2016
2,4-Dimethylphenol	ND	0.22		mg/Kg-dry	1	9/20/2016
Dimethyl phthalate	ND	0.22		mg/Kg-dry	1	9/20/2016
4,6-Dinitro-2-methylphenol	ND	0.42		mg/Kg-dry	1	9/20/2016
2,4-Dinitrophenol	ND	1.1		mg/Kg-dry	1	9/20/2016
2,4-Dinitrotoluene	ND	0.042		mg/Kg-dry	1	9/20/2016
2,6-Dinitrotoluene	ND	0.042		mg/Kg-dry	1	9/20/2016
Di-n-butyl phthalate	ND	0.22		mg/Kg-dry	1	9/20/2016
Di-n-octyl phthalate	ND	0.22		mg/Kg-dry	1	9/20/2016

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Date Reported: September 22, 2016
Date Printed: September 22, 2016

ANALYTICAL RESULTS

Client: EPS Environmental, Inc.
Work Order: 16090577 Revision 0
Project: 17460-0816, 2235-2239 West Roscoe Street, Chic
Lab ID: 16090577-004

Client Sample ID: WF - 6'
Collection Date: 9/14/2016 11:30:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	**SW8270C (SW3550B)**			Prep Date: **9/19/2016**		Analyst: **ERP**
Fluoranthene	ND	0.042		mg/Kg-dry	1	9/20/2016
Fluorene	ND	0.042		mg/Kg-dry	1	9/20/2016
Hexachlorobenzene	ND	0.22		mg/Kg-dry	1	9/20/2016
Hexachlorobutadiene	ND	0.22		mg/Kg-dry	1	9/20/2016
Hexachlorocyclopentadiene	ND	0.22		mg/Kg-dry	1	9/20/2016
Hexachloroethane	ND	0.22		mg/Kg-dry	1	9/20/2016
Indeno(1,2,3-cd)pyrene	ND	0.042		mg/Kg-dry	1	9/20/2016
Isophorone	ND	0.22		mg/Kg-dry	1	9/20/2016
2-Methylnaphthalene	ND	0.22		mg/Kg-dry	1	9/20/2016
2-Methylphenol	ND	0.22		mg/Kg-dry	1	9/20/2016
4-Methylphenol	ND	0.22		mg/Kg-dry	1	9/20/2016
Naphthalene	ND	0.042		mg/Kg-dry	1	9/20/2016
2-Nitroaniline	ND	0.22		mg/Kg-dry	1	9/20/2016
3-Nitroaniline	ND	0.22		mg/Kg-dry	1	9/20/2016
4-Nitroaniline	ND	0.22		mg/Kg-dry	1	9/20/2016
2-Nitrophenol	ND	0.22		mg/Kg-dry	1	9/20/2016
4-Nitrophenol	ND	0.42		mg/Kg-dry	1	9/20/2016
Nitrobenzene	ND	0.042		mg/Kg-dry	1	9/20/2016
N-Nitrosodi-n-propylamine	ND	0.042		mg/Kg-dry	1	9/20/2016
N-Nitrosodimethylamine	ND	0.22		mg/Kg-dry	1	9/20/2016
N-Nitrosodiphenylamine	ND	0.22		mg/Kg-dry	1	9/20/2016
2, 2'-oxybis(1-Chloropropane)	ND	0.22		mg/Kg-dry	1	9/20/2016
Pentachlorophenol	ND	0.085		mg/Kg-dry	1	9/20/2016
Phenanthrene	ND	0.042		mg/Kg-dry	1	9/20/2016
Phenol	ND	0.22		mg/Kg-dry	1	9/20/2016
Pyrene	ND	0.042		mg/Kg-dry	1	9/20/2016
Pyridine	ND	0.85		mg/Kg-dry	1	9/20/2016
1,2,4-Trichlorobenzene	ND	0.22		mg/Kg-dry	1	9/20/2016
2,4,5-Trichlorophenol	ND	0.22		mg/Kg-dry	1	9/20/2016
2,4,6-Trichlorophenol	ND	0.22		mg/Kg-dry	1	9/20/2016
Percent Moisture	**D2974**			Prep Date: **9/15/2016**		Analyst: **GH**
Percent Moisture	22.1	0.2	*	wt%	1	9/16/2016

Qualifiers:
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Date Reported: September 22, 2016
Date Printed: September 22, 2016

ANALYTICAL RESULTS

Client: EPS Environmental, Inc.
Work Order: 16090577 Revision 0
Project: 17460-0816, 2235-2239 West Roscoe Street, Chic
Lab ID: 16090577-005

Client Sample ID: NF - 2'
Collection Date: 9/14/2016 11:40:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS	**SW5035/8260B**			Prep Date: **9/14/2016**		Analyst: **PS**
Acetone	ND	4.9		mg/Kg-dry	50	9/19/2016
Benzene	ND	0.13		mg/Kg-dry	50	9/19/2016
Bromodichloromethane	ND	0.33		mg/Kg-dry	50	9/19/2016
Bromoform	ND	0.33		mg/Kg-dry	50	9/19/2016
Bromomethane	ND	0.66		mg/Kg-dry	50	9/19/2016
2-Butanone	ND	4.9		mg/Kg-dry	50	9/19/2016
Carbon disulfide	ND	3.3		mg/Kg-dry	50	9/19/2016
Carbon tetrachloride	ND	0.33		mg/Kg-dry	50	9/19/2016
Chlorobenzene	ND	0.33		mg/Kg-dry	50	9/19/2016
Chloroethane	ND	0.66		mg/Kg-dry	50	9/19/2016
Chloroform	ND	0.33		mg/Kg-dry	50	9/19/2016
Chloromethane	ND	0.66		mg/Kg-dry	50	9/19/2016
Dibromochloromethane	ND	0.33		mg/Kg-dry	50	9/19/2016
1,1-Dichloroethane	ND	0.33		mg/Kg-dry	50	9/19/2016
1,2-Dichloroethane	ND	0.33		mg/Kg-dry	50	9/19/2016
1,1-Dichloroethene	ND	0.33		mg/Kg-dry	50	9/19/2016
cis-1,2-Dichloroethene	ND	0.33		mg/Kg-dry	50	9/19/2016
trans-1,2-Dichloroethene	ND	0.33		mg/Kg-dry	50	9/19/2016
1,2-Dichloropropane	ND	0.33		mg/Kg-dry	50	9/19/2016
cis-1,3-Dichloropropene	ND	0.13		mg/Kg-dry	50	9/19/2016
trans-1,3-Dichloropropene	ND	0.13		mg/Kg-dry	50	9/19/2016
Ethylbenzene	ND	0.33		mg/Kg-dry	50	9/19/2016
2-Hexanone	ND	1.3		mg/Kg-dry	50	9/19/2016
4-Methyl-2-pentanone	ND	1.3		mg/Kg-dry	50	9/19/2016
Methylene chloride	ND	0.66		mg/Kg-dry	50	9/19/2016
Methyl tert-butyl ether	ND	0.33		mg/Kg-dry	50	9/19/2016
Styrene	ND	0.33		mg/Kg-dry	50	9/19/2016
1,1,2,2-Tetrachloroethane	ND	0.33		mg/Kg-dry	50	9/19/2016
Tetrachloroethene	ND	0.33		mg/Kg-dry	50	9/19/2016
Toluene	ND	0.33		mg/Kg-dry	50	9/19/2016
1,1,1-Trichloroethane	ND	0.33		mg/Kg-dry	50	9/19/2016
1,1,2-Trichloroethane	ND	0.33		mg/Kg-dry	50	9/19/2016
Trichloroethene	ND	0.33		mg/Kg-dry	50	9/19/2016
Vinyl chloride	ND	0.33		mg/Kg-dry	50	9/19/2016
Xylenes, Total	ND	0.99		mg/Kg-dry	50	9/19/2016
Semivolatile Organic Compounds by GC/MS	**SW8270C (SW3550B)**			Prep Date: **9/19/2016**		Analyst: **ERP**
Acenaphthene	ND	0.041		mg/Kg-dry	1	9/20/2016
Acenaphthylene	ND	0.041		mg/Kg-dry	1	9/20/2016

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: September 22, 2016
Date Printed: September 22, 2016

ANALYTICAL RESULTS

Client: EPS Environmental, Inc.
Work Order: 16090577 Revision 0
Project: 17460-0816, 2235-2239 West Roscoe Street, Chic
Lab ID: 16090577-005

Client Sample ID: NF - 2'
Collection Date: 9/14/2016 11:40:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	**SW8270C (SW3550B)**			Prep Date: **9/19/2016**		Analyst: **ERP**
Aniline	ND	0.41		mg/Kg-dry	1	9/20/2016
Anthracene	ND	0.041		mg/Kg-dry	1	9/20/2016
Benz(a)anthracene	ND	0.041		mg/Kg-dry	1	9/20/2016
Benzidine	ND	0.41		mg/Kg-dry	1	9/20/2016
Benzo(a)pyrene	ND	0.041		mg/Kg-dry	1	9/20/2016
Benzo(b)fluoranthene	ND	0.041		mg/Kg-dry	1	9/20/2016
Benzo(g,h,i)perylene	ND	0.041		mg/Kg-dry	1	9/20/2016
Benzo(k)fluoranthene	ND	0.041		mg/Kg-dry	1	9/20/2016
Benzoic acid	ND	1.0		mg/Kg-dry	1	9/20/2016
Benzyl alcohol	ND	0.21		mg/Kg-dry	1	9/20/2016
Bis(2-chloroethoxy)methane	ND	0.21		mg/Kg-dry	1	9/20/2016
Bis(2-chloroethyl)ether	ND	0.21		mg/Kg-dry	1	9/20/2016
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg-dry	1	9/20/2016
4-Bromophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	9/20/2016
Butyl benzyl phthalate	ND	0.21		mg/Kg-dry	1	9/20/2016
Carbazole	ND	0.21		mg/Kg-dry	1	9/20/2016
4-Chloroaniline	ND	0.21		mg/Kg-dry	1	9/20/2016
4-Chloro-3-methylphenol	ND	0.41		mg/Kg-dry	1	9/20/2016
2-Chloronaphthalene	ND	0.21		mg/Kg-dry	1	9/20/2016
2-Chlorophenol	ND	0.21		mg/Kg-dry	1	9/20/2016
4-Chlorophenyl phenyl ether	ND	0.21		mg/Kg-dry	1	9/20/2016
Chrysene	ND	0.041		mg/Kg-dry	1	9/20/2016
Dibenz(a,h)anthracene	ND	0.041		mg/Kg-dry	1	9/20/2016
Dibenzofuran	ND	0.21		mg/Kg-dry	1	9/20/2016
1,2-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	9/20/2016
1,3-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	9/20/2016
1,4-Dichlorobenzene	ND	0.21		mg/Kg-dry	1	9/20/2016
3,3'-Dichlorobenzidine	ND	0.21		mg/Kg-dry	1	9/20/2016
2,4-Dichlorophenol	ND	0.21		mg/Kg-dry	1	9/20/2016
Diethyl phthalate	ND	0.21		mg/Kg-dry	1	9/20/2016
2,4-Dimethylphenol	ND	0.21		mg/Kg-dry	1	9/20/2016
Dimethyl phthalate	ND	0.21		mg/Kg-dry	1	9/20/2016
4,6-Dinitro-2-methylphenol	ND	0.41		mg/Kg-dry	1	9/20/2016
2,4-Dinitrophenol	ND	1.0		mg/Kg-dry	1	9/20/2016
2,4-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	9/20/2016
2,6-Dinitrotoluene	ND	0.041		mg/Kg-dry	1	9/20/2016
Di-n-butyl phthalate	ND	0.21		mg/Kg-dry	1	9/20/2016
Di-n-octyl phthalate	ND	0.21		mg/Kg-dry	1	9/20/2016

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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Accreditations:IEPA ELAP 100445;ORELAP IL300001;AIHA-LAP, LLC 101160;NVLAP LabCode 101202-0

Date Reported: September 22, 2016
Date Printed: September 22, 2016

ANALYTICAL RESULTS

Client: EPS Environmental, Inc.
Work Order: 16090577 Revision 0
Project: 17460-0816, 2235-2239 West Roscoe Street, Chic
Lab ID: 16090577-005

Client Sample ID: NF - 2'
Collection Date: 9/14/2016 11:40:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	**SW8270C (SW3550B)**			Prep Date: **9/19/2016**		Analyst: **ERP**
Fluoranthene	ND	0.041		mg/Kg-dry	1	9/20/2016
Fluorene	ND	0.041		mg/Kg-dry	1	9/20/2016
Hexachlorobenzene	ND	0.21		mg/Kg-dry	1	9/20/2016
Hexachlorobutadiene	ND	0.21		mg/Kg-dry	1	9/20/2016
Hexachlorocyclopentadiene	ND	0.21		mg/Kg-dry	1	9/20/2016
Hexachloroethane	ND	0.21		mg/Kg-dry	1	9/20/2016
Indeno(1,2,3-cd)pyrene	ND	0.041		mg/Kg-dry	1	9/20/2016
Isophorone	ND	0.21		mg/Kg-dry	1	9/20/2016
2-Methylnaphthalene	ND	0.21		mg/Kg-dry	1	9/20/2016
2-Methylphenol	ND	0.21		mg/Kg-dry	1	9/20/2016
4-Methylphenol	ND	0.21		mg/Kg-dry	1	9/20/2016
Naphthalene	ND	0.041		mg/Kg-dry	1	9/20/2016
2-Nitroaniline	ND	0.21		mg/Kg-dry	1	9/20/2016
3-Nitroaniline	ND	0.21		mg/Kg-dry	1	9/20/2016
4-Nitroaniline	ND	0.21		mg/Kg-dry	1	9/20/2016
2-Nitrophenol	ND	0.21		mg/Kg-dry	1	9/20/2016
4-Nitrophenol	ND	0.41		mg/Kg-dry	1	9/20/2016
Nitrobenzene	ND	0.041		mg/Kg-dry	1	9/20/2016
N-Nitrosodi-n-propylamine	ND	0.041		mg/Kg-dry	1	9/20/2016
N-Nitrosodimethylamine	ND	0.21		mg/Kg-dry	1	9/20/2016
N-Nitrosodiphenylamine	ND	0.21		mg/Kg-dry	1	9/20/2016
2, 2'-oxybis(1-Chloropropane)	ND	0.21		mg/Kg-dry	1	9/20/2016
Pentachlorophenol	ND	0.083		mg/Kg-dry	1	9/20/2016
Phenanthrene	ND	0.041		mg/Kg-dry	1	9/20/2016
Phenol	ND	0.21		mg/Kg-dry	1	9/20/2016
Pyrene	ND	0.041		mg/Kg-dry	1	9/20/2016
Pyridine	ND	0.83		mg/Kg-dry	1	9/20/2016
1,2,4-Trichlorobenzene	ND	0.21		mg/Kg-dry	1	9/20/2016
2,4,5-Trichlorophenol	ND	0.21		mg/Kg-dry	1	9/20/2016
2,4,6-Trichlorophenol	ND	0.21		mg/Kg-dry	1	9/20/2016
Total Petroleum Hydrocarbons	**SW8015M (SW3580A)**			Prep Date: **9/19/2016**		Analyst: **BPB**
TPH (GRO)	1000	24		mg/Kg-dry	1	9/20/2016
TPH (DRO)	36	24		mg/Kg-dry	1	9/20/2016
TPH (ERO)	ND	24	*	mg/Kg-dry	1	9/20/2016
Percent Moisture	**D2974**			Prep Date: **9/15/2016**		Analyst: **GH**
Percent Moisture	20.1	0.2	*	wt%	1	9/16/2016

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

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CHAIN OF CUSTODY RECORD

No.: 862637 Page: 1 of 1

Company: EPS Environmental Services, Inc.
Project Number: 17460 - 0816 Client Tracking No.:
Project Name:
Project Location: 2235-2239 West Roscoe Street, Chicago, IL
Sampler(s): Joseph Bongiorno
Report To: Nick Cuzzone Phone: 773-792-3090
Fax: 773-792-3090
e-mail: ncuzzone@epsenv.com
QC Level: 1 2 3 4

P.O. No.:
Quote No.:

Turn Around:
Results Needed: / / am/pm

Client Sample Number/Description:	Date Taken	Time Taken	Matrix	Comp.	Grab	Preserv.	No. of Containers	SVOCs	VOCs	TPH	Remarks	Lab No.:
EF-4'	9-14-16	1015	Soil			F	4	X	X			001
NB-12'		1050						X	X			002
SF-6'		1105						X	X			003
WF-6'		1130						X	X			004
NF-2'		1140						X	X	X		005

Relinquished by: (Signature) Joe Bongiorno Date/Time: 9/14/16 1450
Received by: (Signature) Date/Time: 9/14/16 5:4
Relinquished by: (Signature) Date/Time: 9/14/16 16:35
Received by: (Signature) Date/Time: 9/14/16 16:35
Relinquished by: (Signature) Date/Time:
Received by: (Signature) Date/Time:

Comments: All samples have petroleum odor.

Preservation Code: A = None B = HNO_3 C = NaOH D = H_2SO_4 E = HCl F = 5035/EnCore G = Other

Laboratory Work Order No.: 1609057

Received on Ice: Yes X No

Temperature: 4.4 °C

STAT Analysis Corporation

Sample Receipt Checklist

Client Name EPS

Date and Time Received: 9/14/2016 4:35:00 PM

Work Order Number 16090577

Received by: MGK

Checklist completed by: Martin Gunn 9/14/16 (Signature / Date)

Reviewed by: JSK 9/17/16 (Initials / Date)

Matrix:

Carrier name STAT Analysis

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 4.4 °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:

Client / Person contacted: Date contacted: Contacted by:

Response:

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September 21, 2016

EPS Environmental, Inc.
7237 W. Devon Avenue
Chicago, IL 60631
Telephone: (773) 792-3090
Fax: (773) 792-3091

Analytical Report for STAT Work Order: 16090595 Revision 0

RE: 17460-0816, 2235-2239 West Roscoe Street, Chicago, IL

Dear Nick Cuzzone:

STAT Analysis received 2 samples for the referenced project on 9/14/2016 4:35:00 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,

Justice Kwateng
Project Manager

STAT Analysis Corporation

Date: September 21, 2016

Client: EPS Environmental, Inc.
Project: 17460-0816, 2235-2239 West Roscoe Street, Chicago,
Work Order: 16090595 Revision 0

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
16090595-001A	SG-1		9/14/2016 11:00:00 AM	9/14/2016
16090595-002A	SG-2		9/14/2016 11:30:00 AM	9/14/2016

CLIENT:	EPS Environmental, Inc.
Project:	17460-0816, 2235-2239 West Roscoe Street, Chicago, IL
Work Order:	16090595 Revision 0

CASE NARRATIVE

TO-15 results that are reported in mg/m³ are calculated based on a temperature of 25°C, atmospheric pressure of 760 mm Hg, and the molecular weight of the analyte.

Due to matrix interference, TO-15 results for sample SG-2 (16090595-002) are reported from 1:25 fold dilution. At lower dilutions internal standard recoveries were outside of control limits.

The TO-15 Continuing Calibration Verification (CCV) analyzed 09/14/2016 had recovery of 1,3-Butadiene outside of control limits (132% recovery, QC Limits 70-130%).

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Date Reported: September 21, 2016
Date Printed: September 21, 2016

ANALYTICAL RESULTS

Client: EPS Environmental, Inc.
Work Order: 16090595 Revision 0
Project: 17460-0816, 2235-2239 West Roscoe Street, Chica
Lab ID: 16090595-001

Client Sample ID: SG-1
Collection Date: 9/14/2016 11:00:00 AM
Matrix: Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds in Air by GC/MS	**TO-15**			Prep Date: **9/15/2016**		Analyst: **NLM**
1,1,1-Trichloroethane	ND	0.0021		mg/m³	1	9/15/2016
1,1,2-Trichloroethane	ND	0.0021		mg/m³	1	9/15/2016
1,1-Dichloroethane	ND	0.0015		mg/m³	1	9/15/2016
1,1-Dichloroethene	ND	0.0015		mg/m³	1	9/15/2016
1,2,4-Trichlorobenzene	ND	0.0029		mg/m³	1	9/15/2016
1,2-Dibromoethane	ND	0.0029		mg/m³	1	9/15/2016
1,2-Dichlorobenzene	ND	0.0023		mg/m³	1	9/15/2016
1,2-Dichloroethane	0.0044	0.0015		mg/m³	1	9/15/2016
1,2-Dichloropropane	ND	0.0017		mg/m³	1	9/15/2016
1,4-Dichlorobenzene	ND	0.0023		mg/m³	1	9/15/2016
1,4-Dioxane	ND	0.0035		mg/m³	1	9/15/2016
2-Butanone	0.022	0.0029		mg/m³	1	9/15/2016
Acetone	ND	0.23	*	mg/m³	25	9/16/2016
Benzene	0.0048	0.0012		mg/m³	1	9/15/2016
Bromodichloromethane	ND	0.0025		mg/m³	1	9/15/2016
Bromoform	ND	0.010		mg/m³	1	9/15/2016
Bromomethane	ND	0.0036		mg/m³	1	9/15/2016
Carbon disulfide	ND	0.0012		mg/m³	1	9/15/2016
Carbon tetrachloride	ND	0.0025		mg/m³	1	9/15/2016
Chlorobenzene	ND	0.0017		mg/m³	1	9/15/2016
Chloroform	ND	0.0019		mg/m³	1	9/15/2016
cis-1,2-Dichloroethene	0.022	0.0015		mg/m³	1	9/15/2016
cis-1,3-Dichloropropene	ND	0.0017		mg/m³	1	9/15/2016
Dibromochloromethane	ND	0.0033		mg/m³	1	9/15/2016
Dichlorodifluoromethane	ND	0.0019		mg/m³	1	9/15/2016
Ethylbenzene	0.0033	0.0017		mg/m³	1	9/15/2016
Isopropyl Alcohol	0.29	0.12		mg/m³	25	9/16/2016
m,p-Xylene	0.013	0.0033		mg/m³	1	9/15/2016
Methyl tert-butyl ether	ND	0.0013		mg/m³	1	9/15/2016
Methylene chloride	ND	0.013		mg/m³	1	9/15/2016
Naphthalene	0.0055	0.0019		mg/m³	1	9/15/2016
o-Xylene	0.0048	0.0017		mg/m³	1	9/15/2016
Styrene	0.0028	0.0017		mg/m³	1	9/15/2016
Tetrachloroethene	0.35	0.0027		mg/m³	1	9/15/2016
Toluene	0.0098	0.0015		mg/m³	1	9/15/2016
trans-1,2-Dichloroethene	ND	0.0015		mg/m³	1	9/15/2016
trans-1,3-Dichloropropene	ND	0.0017		mg/m³	1	9/15/2016
Trichloroethene	0.036	0.0021		mg/m³	1	9/15/2016

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: September 21, 2016
Date Printed: September 21, 2016

ANALYTICAL RESULTS

Client: EPS Environmental, Inc.
Work Order: 16090595 Revision 0
Project: 17460-0816, 2235-2239 West Roscoe Street, Chica
Lab ID: 16090595-001

Client Sample ID: SG-1
Collection Date: 9/14/2016 11:00:00 AM
Matrix: Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds in Air by GC/MS	**TO-15**			Prep Date: **9/15/2016**		Analyst: **NLM**
Trichlorofluoromethane	ND	0.0021		mg/m³	1	9/15/2016
Vinyl acetate	ND	0.013		mg/m³	1	9/15/2016
Vinyl chloride	ND	0.00096		mg/m³	1	9/15/2016
Xylenes, Total	0.018	0.0050		mg/m³	1	9/15/2016

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: September 21, 2016
Date Printed: September 21, 2016

ANALYTICAL RESULTS

Client: EPS Environmental, Inc.
Work Order: 16090595 Revision 0
Project: 17460-0816, 2235-2239 West Roscoe Street, Chica
Lab ID: 16090595-002

Client Sample ID: SG-2
Collection Date: 9/14/2016 11:30:00 AM
Matrix: Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds in Air by GC/MS	**TO-15**			Prep Date: **9/15/2016**		Analyst: **NLM**
1,1,1-Trichloroethane	ND	0.044		mg/m³	25	9/16/2016
1,1,2-Trichloroethane	ND	0.044		mg/m³	25	9/16/2016
1,1-Dichloroethane	ND	0.032		mg/m³	25	9/16/2016
1,1-Dichloroethene	ND	0.032		mg/m³	25	9/16/2016
1,2,4-Trichlorobenzene	ND	0.060		mg/m³	25	9/16/2016
1,2-Dibromoethane	ND	0.060		mg/m³	25	9/16/2016
1,2-Dichlorobenzene	ND	0.048		mg/m³	25	9/16/2016
1,2-Dichloroethane	ND	0.032		mg/m³	25	9/16/2016
1,2-Dichloropropane	ND	0.036		mg/m³	25	9/16/2016
1,4-Dichlorobenzene	ND	0.048		mg/m³	25	9/16/2016
1,4-Dioxane	ND	0.071		mg/m³	25	9/16/2016
2-Butanone	ND	0.060		mg/m³	25	9/16/2016
Acetone	0.40	0.19	*	mg/m³	25	9/16/2016
Benzene	ND	0.024		mg/m³	25	9/16/2016
Bromodichloromethane	ND	0.052		mg/m³	25	9/16/2016
Bromoform	ND	0.21		mg/m³	25	9/16/2016
Bromomethane	ND	0.075		mg/m³	25	9/16/2016
Carbon disulfide	ND	0.025		mg/m³	25	9/16/2016
Carbon tetrachloride	ND	0.052		mg/m³	25	9/16/2016
Chlorobenzene	ND	0.036		mg/m³	25	9/16/2016
Chloroform	ND	0.040		mg/m³	25	9/16/2016
cis-1,2-Dichloroethene	ND	0.032		mg/m³	25	9/16/2016
cis-1,3-Dichloropropene	ND	0.036		mg/m³	25	9/16/2016
Dibromochloromethane	ND	0.067		mg/m³	25	9/16/2016
Dichlorodifluoromethane	ND	0.040		mg/m³	25	9/16/2016
Ethylbenzene	0.050	0.036		mg/m³	25	9/16/2016
Isopropyl Alcohol	0.14	0.099		mg/m³	25	9/16/2016
m,p-Xylene	ND	0.067		mg/m³	25	9/16/2016
Methyl tert-butyl ether	ND	0.028		mg/m³	25	9/16/2016
Methylene chloride	ND	0.27		mg/m³	25	9/16/2016
Naphthalene	ND	0.040		mg/m³	25	9/16/2016
o-Xylene	ND	0.036		mg/m³	25	9/16/2016
Styrene	ND	0.036		mg/m³	25	9/16/2016
Tetrachloroethene	ND	0.056		mg/m³	25	9/16/2016
Toluene	ND	0.032		mg/m³	25	9/16/2016
trans-1,2-Dichloroethene	ND	0.032		mg/m³	25	9/16/2016
trans-1,3-Dichloropropene	ND	0.036		mg/m³	25	9/16/2016
Trichloroethene	ND	0.044		mg/m³	25	9/16/2016

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: September 21, 2016
Date Printed: September 21, 2016

ANALYTICAL RESULTS

Client: EPS Environmental, Inc.
Work Order: 16090595 Revision 0
Project: 17460-0816, 2235-2239 West Roscoe Street, Chica
Lab ID: 16090595-002

Client Sample ID: SG-2
Collection Date: 9/14/2016 11:30:00 AM
Matrix: Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds in Air by GC/MS	**TO-15**			Prep Date: **9/15/2016**		Analyst: **NLM**
Trichlorofluoromethane	ND	0.044		mg/m³	25	9/16/2016
Vinyl acetate	ND	0.28		mg/m³	25	9/16/2016
Vinyl chloride	ND	0.020		mg/m³	25	9/16/2016
Xylenes, Total	ND	0.10		mg/m³	25	9/16/2016

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
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CHAIN OF CUSTODY RECORD

Nº: 862635 Page: 1 of 1

Company: EPS Environmental Services, Inc.
Project Number: 17460-0816 Client Tracking No.:
Project Name:
Project Location: 2235-2239 West Roscoe Street, Chicago, IL
Sampler(s): Joseph Bongiorno
Report To: Nick Cuzzone Phone: 773-792-3090
Fax: 773-792-3091
QC Level: 1 ____ 2 ____ 3 ____ 4 ____ e-mail: ncuzzone@epsenv.com

P.O. No.:
Quote No.:

Turn Around: STD
Results Needed: / / am/pm

Client Sample Number/Description:	Date Taken	Time Taken	Matrix	Comp.	Grab	Preserv.	No. of Containers	Volatile Chemicals	Isopropyl Alcohol	Remarks	Lab No:
SG-1	9-14-15	1100	GAS			A	1	X	X		001
SG-2	"	1130	"			"	1	X	X		002

Relinquished by: (Signature) Joe Bongiorno Date/Time: 9-14-16/1430
Received by: (Signature) [signature] Date/Time: 9/14/16 3:05
Relinquished by: (Signature) [signature] Date/Time: 9/14/16 16:28
Received by: (Signature) [signature] Date/Time: 9/14/16 16:35
Relinquished by: (Signature) Date/Time:
Received by: (Signature) Date/Time:

Comments:

Laboratory Work Order No.: 1609059S

Received on Ice: Yes [X] No [ ]
Temperature: 4.1/4.4 °C

Preservation Code: A = None B = HNO_3 C = NaOH
D = H_2SO_4 E = HCl F = 5035/EnCore G = Other

STAT Analysis Corporation

Sample Receipt Checklist

Client Name EPS

Date and Time Received: 9/14/2016 4:35:00 PM

Work Order Number 16090595

Received by: MGK

Checklist completed by: Martin [signature] 9/14/16 (Signature / Date)

Reviewed by: JRC 9/15/16 (Initials / Date)

Matrix:

Carrier name STAT Analysis

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 Ambient °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.

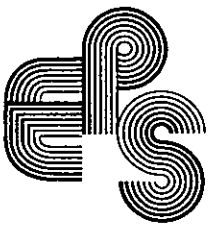
Comments:

Client / Person contacted:

Date contacted:

Contacted by:

Response:



APPENDIX C

Comparison Tables

Project: 2235-2239 West Roscoe Street, Chicago, Illinois
Project #: 17460-0816
Sampled: 9/14/2016
Laboratory: STAT Analysis Corporation, Chicago

Table 1. Soil VOC Analytical Results

Chemical Name	Exposure Route-Specific SROs*		Exposure Route-Specific SROs*				Soil Component of GW Ingestion Route*		EF-4'	NB-12'	SF-6'	WF-6'	NF-2'
	Residential		*Industrial/Commercial*		*Construction Worker*		Class I	Class II					
	ingestion	inhalation	ingestion	inhalation	ingestion	inhalation							
Acetone	70,000	100,000	NRO	100,000	NRO	100,000	25	25	< 4.7	< 0.10	< 0.078	< 5.8	< 4.9
Benzene	12	0.8	100	1.6	2,300	2.2	0.03	0.17	< 0.13	< 0.0068	< 0.0052	< 0.16	< 0.13
Bromodichloromethane	10	3,000	92	3,000	2,000	3,000	0.6	0.6	< 0.32	< 0.0068	< 0.0052	< 0.39	< 0.33
Bromoform	81	53	720	100	16,000	140	0.8	0.8	< 0.32	< 0.0068	< 0.0052	< 0.39	< 0.33
Bromomethane	110	10	2,900	15	1,000	3.9	0.2	1.2	< 0.63	< 0.014	< 0.010	< 0.78	< 0.66
2-Butanone (MEK)^	47,000	25,000	1,000,000	25,000	120,000	730	17	17	< 4.7	< 0.10	< 0.078	< 5.8	< 4.9
Carbon disulfide	7,800	720	200,000	720	20,000	9.0	32	160	< 3.2	< 0.068	< 0.052	< 3.9	< 3.3
Carbon tetrachloride	5	0.3	44	0.64	410	0.90	0.07	0.33	< 0.32	< 0.0068	< 0.0052	< 0.39	< 0.33
Chlorobenzene	1,600	130	41,000	210	4,100	1.3	1	6.5	< 0.32	< 0.0068	< 0.0052	< 0.39	< 0.33
Chloroethane^	NRO	1,500	NRO	1,500	20,000	39	NRO	NRO	< 0.63	< 0.014	< 0.010	< 0.78	< 0.66
Chloroform	100	0.3	940	0.54	2,000	0.76	0.6	2.9	< 0.32	< 0.0068	< 0.0052	< 0.39	< 0.33
Chloromethane^	NRO	110	NRO	180	NRO	5	NRO	NRO	< 0.63	< 0.014	< 0.010	< 0.78	< 0.66
Dibromochloromethane	1,600	1,300	41,000	1,300	41,000	1,300	0.4	0.4	< 0.32	< 0.0068	< 0.0052	< 0.39	< 0.33
1,1-Dichloroethane	7,800	1,300	200,000	1,700	200,000	130	23	110	< 0.32	< 0.0068	< 0.0052	< 0.39	< 0.33
1,2-Dichloroethane	7	0.4	63	0.70	1,400	0.99	0.02	0.1	< 0.32	< 0.0068	< 0.0052	< 0.39	< 0.33
1,1-Dichloroethene	3,900	290	100,000	470	10,000	3.0	0.06	0.3	< 0.32	< 0.0068	< 0.0052	< 0.39	< 0.33
cis-1,2-Dichloroethene	780	1,200	20,000	1,200	20,000	1,200	0.4	1.1	< 0.32	< 0.0068	< 0.0052	< 0.39	< 0.33
trans-1,2-Dichloroethene	1,600	3,100	41,000	3,100	41,000	3,100	0.7	3.4	< 0.32	< 0.0068	< 0.0052	< 0.39	< 0.33
1,2-Dichloropropane	9	15	84	23	1,800	0.50	0.03	0.15	< 0.32	< 0.0068	< 0.0052	< 0.39	< 0.33
cis-1,3-Dichloropropene	6.4	1.1	57	2.1	1,200	0.39	0.005***	0.02	< 0.13	< 0.0027	< 0.0021	< 0.16	< 0.13
trans-1,3-Dichloropropene	6.4	1.1	57	2.1	1,200	0.39	0.005***	0.02	< 0.13	< 0.0027	< 0.0021	< 0.16	< 0.13
Ethylbenzene	7,800	400	200,000	400	20,000	58	13	19	< 0.32	< 0.0068	< 0.0052	1.3	< 0.33

* Illinois EPA Tier 1 Soil Remediation Objectives (SROs); 35 IAC 742, Appendix B, Table A (Residential)

*** ADL is the remediation objective

All results in parts per million (mg/Kg) based on dry weight unless noted otherwise.

NRO = No Remediation Objective

^–Non-TACO Chemical. Limits prepared by IEPA Toxicity Assessment Unit - October 30, 2012

Project: 2235-2239 West Roscoe Street, Chicago, Illinois
Project #: 17460-0816
Sampled: 9/14/2016
Laboratory: STAT Analysis Corporation, Chicago

Table 1. Soil VOC Analytical Results (continued)

Chemical Name	Exposure Route-Specific SROs*		Exposure Route-Specific SROs*				Soil Component of GW Ingestion Route*		EF-4'	NB-12'	SF-6'	WF-6'	NF-2'
	Residential		*Industrial/Commercial*		*Construction Worker*		Class I	Class II					
	Ingestion	Inhalation	Ingestion	inhalation	ingestion	inhalation							
2-Hexanone^	390	450	10,000	720	1,000	47	0.16	0.16	< 1.3	< 0.027	< 0.021	< 1.6	< 1.3
4-Methyl-2-Pentanone (MIBK)^	6,300	3,100	160,000	3,100	340	340	2.5	2.5	< 1.3	< 0.027	< 0.021	< 1.6	< 1.3
Methylene chloride	85	13	760	24	12,000	34	0.02	0.2	< 0.63	< 0.014	< 0.010	< 0.78	< 0.66
Methyl tert-butyl ether	780	8,800	20,000	8,800	2,000	140	0.32	0.32	< 0.32	< 0.0068	< 0.0052	< 0.39	< 0.33
Styrene	16,000	1,500	410,000	1,500	41,000	430	4	18	< 0.32	< 0.0068	< 0.0052	< 0.39	< 0.33
1,1,2,2-Tetrachloroethane^	3.2	0.62	27	1.2	620	1.7	0.0035	0.0035	< 0.32	< 0.0068	< 0.0052	< 0.39	< 0.33
Tetrachloroethene	12	11	110	20	2,400	28	0.06	0.3	< 0.32	< 0.0068	< 0.0052	< 0.39	< 0.33
Toluene	16,000	650	410,000	650	410,000	42	12	29	< 0.32	< 0.0068	< 0.0052	< 0.39	< 0.33
1,1,1-Trichloroethane	NRO	1,200	NRO	1,200	NRO	1,200	2	9.6	< 0.32	< 0.0068	< 0.0052	< 0.39	< 0.33
1,1,2-Trichloroethane	310	1,800	8,200	1,800	8,200	1,800	0.02	0.3	< 0.32	< 0.0068	< 0.0052	< 0.39	< 0.33
Trichloroethene	58	5	520	8.9	1,200	12	0.06	0.3	< 0.32	< 0.0068	< 0.0052	< 0.39	< 0.33
Vinyl chloride	0.46	0.28	7.9	1.1	170	1.1	0.01	0.07	< 0.32	< 0.0068	< 0.0052	< 0.39	< 0.33
Xylenes, Total	16,000	320	410,000	320	41,000	5.6	150	150	< 0.95	< 0.020	< 0.016	8.7	< 0.99

* Illinois EPA Tier 1 Soil Remediation Objectives (SROs); 35 IAC 742, Appendix B, Table A (Residential)

*** ADL is the remediation objective

All results in parts per million (mg/Kg) based on dry weight unless noted otherwise.

NRO = No Remediation Objective

^--Non-TACO Chemical. Limits prepared by IEPA Toxicity Assessment Unit - October 30, 2012

Project: 2235-2239 West Roscoe Street, Chicago, Illinois
Project #: 17460-0816
Sampled: 9/14/2016
Laboratory: STAT Analysis Corporation, Chicago

Table 2. Soil SVOC Analytical Results

Chemical Name	Exposure Route-Specific SROs*						Soil Component of GW Ingestion Route*		EF-4'	NB-12'	SF-6'	WF-6'	NF-2'
	Residential		*Industrial/Commercial*		*Construction Worker*		Class I	Class II					
	ingestion	inhalation	ingestion	inhalation	ingestion	inhalation							
SVOCs													
Acenaphthene	4,700	NRO	120,000	NRO	120,000	NRO	570	2,900	< 0.040	< 0.044	< 0.042	< 0.042	< 0.041
Acenaphthylene	2,300	NRO	61,000	NRO	61,000	NRO	85	420	< 0.040	< 0.044	< 0.042	< 0.042	< 0.041
Aniline^	110	83	1,000	130	1,400	8.6	0.064	0.064	< 0.40	< 0.45	< 0.42	< 0.42	< 0.41
Anthracene	23,000	NRO	610,000	NRO	610,000	NRO	12,000	59,000	< 0.040	< 0.044	< 0.042	< 0.042	< 0.041
Benzo(a)anthracene	0.9	NRO	8	NRO	170	NRO	2	8	< 0.040	< 0.044	< 0.042	< 0.042	< 0.041
Benzidine^	0.003	0.009	0.02	0.02	0.54	0.02	0.000002***	0.000002***	< 0.40	< 0.44	< 0.42	< 0.42	< 0.41
Benzo(a)pyrene	0.09	NRO	0.8	NRO	17	NRO	8	82	< 0.040	< 0.044	< 0.042	< 0.042	< 0.041
Benzo(b)fluoranthene	0.9	NRO	8	NRO	170	NRO	5	25	< 0.040	< 0.044	< 0.042	< 0.042	< 0.041
Benzo(g,h,i)perylene	2,300	NRO	61,000	NRO	61,000	NRO	27,000	130,000	< 0.040	< 0.044	< 0.042	< 0.042	< 0.041
Benzo(k)fluoranthene	9	NRO	78	NRO	1,700	NRO	49	250	< 0.040	< 0.044	< 0.042	< 0.042	< 0.041
Benzoic acid	310,000	NRO	1,000,000	NRO	820,000	NRO	400	400	< 1.0	< 1.1	< 1.1	< 1.1	< 1.0
Benzyl alcohol^	7,800	NRO	200,000	NRO	61,000	NRO	3	3	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
bis(2-Chloroethoxy)methane	NRO	NRO	NRO	NRO	NRO	NRO	NRO	NRO	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
Bis(2-chloroethyl)ether	0.6	0.2	5	0.47	75	0.66	0.66***	0.66***	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
Bis(2-ethylhexyl)phthalate	46	31,000	410	31,000	4,100	31,000	3,600	31,000	< 1.0	< 1.1	< 1.1	< 1.1	< 1.0
4-Bromophenyl phenyl ether	NRO	NRO	NRO	NRO	NRO	NRO	NRO	NRO	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
Butyl benzyl phthalate	16,000	930	410,000	930	410,000	930	930	930	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
Carbazole	32	NRO	290	NRO	6,200	NRO	0.6	2.8	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
4-Chloroaniline	310	NRO	8,200	NRO	820	NRO	0.7	0.7	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
4-Chloro-3-methylphenol	NRO	NRO	NRO	NRO	NRO	NRO	NRO	NRO	< 0.40	< 0.44	< 0.42	< 0.42	< 0.41
2-Chloronaphthalene^	6,300	NRO	160,000	NRO	41,000	NRO	49	240	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
2-Chlorophenol	390	53,000	10,000	53,000	10,000	53,000	4	4	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
4-Chlorophenyl phenyl ether	NRO	NRO	NRO	NRO	NRO	NRO	NRO	NRO	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
Chrysene	88	NRO	780	NRO	17,000	NRO	160	800	< 0.040	< 0.044	< 0.042	< 0.042	< 0.041
Dibenz(a,h)anthracene	0.09	NRO	0.8	NRO	17	NRO	2	7.6	< 0.040	< 0.044	< 0.042	< 0.042	< 0.041
Dibenzofuran^	78	NRO	2,000	NRO	820	NRO	3	15	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
1,2-Dichlorobenzene	7,000	560	180,000	560	18,000	310	17	43	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
1,3-Dichlorobenzene	NRO	NRO	NRO	NRO	NRO	NRO	NRO	NRO	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
1,4-Dichlorobenzene	NRO	11,000	NRO	17,000	NRO	340	2	11	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
3,3-Dichlorobenzidine	1	NRO	13	NRO	280	NRO	1.3***	1.3***	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
2,4-Dichlorophenol	230	NRO	6,100	NRO	610	NRO	1	1	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
Diethyl phthalate	63,000	2,000	1,000,000	2,000	1,000,000	2,000	470	470	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
2,4-Dimethylphenol	1,600	NRO	41,000	NRO	41,000	NRO	9	9	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
Dimethyl phthalate^	NRO	NRO	NRO	NRO	20,000	NRO	NRO	NRO	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
4,6-Dinitro-2-methylphenol^	6.3	NRO	160	NRO	160	NRO	pH Specific	pH Specific	< 0.40	< 0.44	< 0.42	< 0.42	< 0.41
2,4-Dinitrophenol	160	NRO	4,100	NRO	410	NRO	3.3***	3.3***	< 1.0	< 1.1	< 1.1	< 1.1	< 1.0

* Illinois EPA Tier 1 Soil Remediation Objectives (SROs); 35 IAC 742, Appendix B, Table B (Industrial/Commercial)

*** ADL is the remediation objective

All results in parts per million (mg/Kg) based on dry weight unless noted otherwise.

NRO = No Remediation Objective

^=Non-TACO Chemical. Limits prepared by IEPA Toxicity Assessment Unit - October 30, 2012

Project: 2235-2239 West Roscoe Street, Chicago, Illinois
Project #: 17460-0816
Sampled: 9/14/2016
Laboratory: STAT Analysis Corporation, Chicago

Table 2. Soil SVOC Analytical Results (continued)

Chemical Name	Exposure Route-Specific SROs*						Soil Component of GW Ingestion Route*		EF-4'	NB-12'	SF-6'	WF-6'	NF-2'
	Residential		*Industrial/Commercial*		*Construction Worker*		Class I	Class II					
	ingestion	inhalation	ingestion	inhalation	ingestion	inhalation							
SVOCs													
2,4-Dinitrotoluene	0.9	NRO	8.4	NRO	180	NRO	0.250***	0.250***	< 0.040	< 0.044	< 0.042	< 0.042	< 0.041
2,6-Dinitrotoluene	0.9	NRO	8	NRO	180	NRO	0.260***	0.260***	< 0.040	< 0.044	< 0.042	< 0.042	< 0.041
Di-N-butyl phthalate	7,800	2,300	200,000	2,300	200,000	2,300	2,300	2,300	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
Di-N-octyl phthalate	1,600	10,000	41,000	10,000	4,100	10,000	10,000	10,000	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
Fluoranthene	3,100	NRO	82,000	NRO	82,000	NRO	4,300	21,000	< 0.040	< 0.044	< 0.042	< 0.042	< 0.041
Fluorene	3,100	NRO	82,000	NRO	82,000	NRO	560	2,800	< 0.040	< 0.044	< 0.042	< 0.042	< 0.041
Hexachlorobenzene	0.4	1	4	1.8	78	2.6	2	11	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
Hexachlorobutadiene^	78	NRO	2,000	NRO	200	NRO	2.2	11	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
Hexachlorocyclopentadiene	550	10	14,000	16	14,000	1.1	400	2,200	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
Hexachloroethane	78	NRO	2,000	NRO	2,000	NRO	0.5	2.6	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
Indeno(1,2,3-cd)pyrene	0.9	NRO	8	NRO	170	NRO	14	69	< 0.040	< 0.044	< 0.042	< 0.042	< 0.041
Isophorone	15,600	4,600	410,000	4,600	410,000	46,000	8	8	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
2-Methylnaphthalene^	310	NRO	8,200	NRO	820	NRO	1.9	9.5	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
2-Methylphenol (o-cresol)	3,900	NRO	100,000	NRO	100,000	NRO	15	15	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
4-Methylphenol (p-cresol)^	7,800	100,000	200,000	170,000	4,100	3,300	3.9	3.9	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
Naphthalene	1,600	170	41,000	270	4,100	1.8	12	18	< 0.040	< 0.044	< 0.042	< 0.042	< 0.041
2-Nitroaniline^	1200	18	31,000	28	31,000	1.5	0.7	0.7	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
3-Nitroaniline^	NRO	NRO	NRO	NRO	200	NRO	NRO	NRO	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
4-Nitroaniline^	310	1500	8,200	2,400	2,000	52	0.14	0.14	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
2-Nitrophenol	NRO	NRO	NRO	NRO	NRO	NRO	NRO	NRO	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
4-Nitrophenol	NRO	NRO	NRO	NRO	NRO	NRO	pH Specific	pH Specific	< 0.40	< 0.44	< 0.42	< 0.42	< 0.41
Nitrobenzene	39	92	1,000	140	1,000	9.4	0.1	0.1	< 0.040	< 0.044	< 0.042	< 0.042	< 0.041
N-Nitrosodi-N-propylamine	0.09	NRO	0.8	NRO	18	NRO	0.0018***	0.0018***	< 0.040	< 0.044	< 0.042	< 0.042	< 0.041
n-Nitrosodimethylamine^	0.013	0.012	0.11	0.023	1.6	0.033	0.0000027***	0.0000027***	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
N-Nitrosodiphenylamine	130	NRO	1,200	NRO	25,000	NRO	1	5.6	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
2, 2'-oxybis(1-Chloropropane)	NRO	NRO	NRO	NRO	NRO	NRO	NRO	NRO	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
Pentachlorophenol	3	NRO	24	NRO	520	NRO	0.03***	0.14***	< 0.081	< 0.090	< 0.085	< 0.085	< 0.083
Phenanthrene	2,300	NRO	61,000	NRO	61,000	NRO	210	1,100	< 0.040	< 0.044	< 0.042	< 0.042	< 0.041
Phenol	23,000	NRO	610,000	NRO	61,000	NRO	100	100	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
Pyrene	2,300	NRO	61,000	NRO	61,000	NRO	4,200	21,000	< 0.040	< 0.044	< 0.042	< 0.042	< 0.041
Pyridine^	78	NRO	2,000	NRO	2,000	NRO	pH Specific	pH Specific	< 0.81	< 0.90	< 0.85	< 0.85	< 0.83
1,2,4-Trichlorobenzene	780	3,200	20,000	3,200	2,000	920	5	53	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
2,4,5-Trichlorophenol	7,800	NRO	200,000	NRO	200,000	NRO	270	1,400	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21
2,4,6-Trichlorophenol	58	200	520	390	11,000	540	0.66***	0.77	< 0.20	< 0.23	< 0.22	< 0.22	< 0.21

* Illinois EPA Tier 1 Soil Remediation Objectives (SROs); 35 IAC 742, Appendix B, Table B (Industrial/Commercial)

*** ADL is the remediation objective

All results in parts per million (mg/Kg) based on dry weight unless noted otherwise.

NRO = No Remediation Objective

^--Non-TACO Chemical. Limits prepared by IEPA Toxicity Assessment Unit - October 30, 2012

Project: 2235-2239 West Roscoe Street, Chicago, Illinois
Project #: 17460-0816
Sampled: 9/14/2016
Laboratory: STAT Analysis Corporation, Chicago

Table 3. Soil Gas Analytical Results

Chemical Name	*Residential*			*Construction Worker Outdoor*	SG-1	SG-2
	Outdoor	Indoor				
		Advection/ Diffusion	Diffusion only			
		Soil Gas	Soil Gas			
Acetone	750,000	750,000	750,000	750,000	< 0.23	0.40
Benzene	420	0.37	41	1,100	0.0048	< 0.024
Bromodichloromethane	450,000	450,000	450000	450,000	< 0.0025	< 0.052
Bromoform	1,800	11	1,800	4,900	< 0.010	< 0.21
2-Butanone (MEK)	380,000	6,400	380,000	15,000	0.022	< 0.060
Carbon disulfide	1,500,000	780	81,000	48,000	< 0.0012	< 0.025
Carbon tetrachloride	290	0.21	24	770	< 0.0025	< 0.052
Chlorobenzene	36,000	69	8,300	3,700	< 0.0017	< 0.036
Chlorodibromomethane	57,000	57,000	57,000	150	< 0.0033	< 0.067
Chloroform	110	0.11	12	290	< 0.0019	< 0.040
1,2-Dibromoethane	2.90	0.01	1.10	7.9	< 0.0029	< 0.060
1,2-Dichlorobenzene	1,000	290	11,000	6,700	< 0.0023	< 0.048
1,4-Dichlorobenzene	8,400	1,200	8,400	6,400	< 0.0023	< 0.048
Dichlorodifluoromethane	890,000	270	32,000	92,000	< 0.0019	< 0.040
1,1-Dichloroethane	870,000	690	81,000	90,000	< 0.0015	< 0.032
1,2-Dichloroethane	67	0.099	10	180	0.0044	< 0.032
1,1-Dichloroethene	520,000	240	27,000	5,300	< 0.0015	< 0.032
cis-1,2-Dichloroethylene	1,100,000	1,100,000	1,100,000	1,100,000	0.022	< 0.032
trans-1,2-Dichloroethylene	120,000	85	10,000	12,000	< 0.0015	< 0.032
1,2-Dichloropropane	240	0.31	36	110	< 0.0017	< 0.036
cis-1,3-Dichloropropene	1,900	0.9	0.14	1,400	< 0.0017	< 0.036
trans 1,3-Dichloropropylene	1,900	0.9	110	1,400	< 0.0017	< 0.036
1,4-Dioxane	16	0.22	2.9	42	< 0.0035	< 0.071
Ethylbenzene	59,000	1.3	150	8,500	0.0033	0.050
Bromomethane	NRO	NRO	NRO	NRO	< 0.0036	< 0.075
Methyl tert-butyl ether	1,200,000	3,700	420,000	23,000	< 0.0013	< 0.028

* Illinois EPA Tier 1 Soil Gas Remediation Objectives (SGROs); 35 IAC 742, Appendix B, Tables G, H, I

Results in mg/m^3

NRO - No Remediation Objective

Project: 2235-2239 West Roscoe Street, Chicago, Illinois
Project #: 17460-0816
Sampled: 9/14/2016
Laboratory: STAT Analysis Corporation, Chicago

Table 3. Soil Gas Analytical Results

Chemical Name	*Residential*			*Construction Worker Outdoor*	SG-1	SG-2
	Outdoor	Indoor				
		Advection/ Diffusion	Diffusion only			
		Soil Gas	Soil Gas			
Methylene chloride	6,100	5.6	590	5,100	< 0.013	< 0.27
Naphthalene	560	0.11	14	5.8	0.0055	< 0.040
Styrene	34,000	1,400	34,000	16,000	0.0028	< 0.036
Tetrachloroethene	360	0.55	66	970	0.35	< 0.056
Toluene	140,000	6,200	140,000	50,000	0.0098	< 0.032
1,2,4-Trichlorobenzene	1,000	5.4	800	110	< 0.0029	< 0.060
1,1,1-Trichloroethane	870,000	6,600	770,000	89,000	< 0.0021	< 0.044
1,1,2-Trichloroethane	170,000	170,000	4,400	170,000	< 0.0021	< 0.044
Trichloroethene	360	1.5	180	1,500	0.036	< 0.044
Trichlorofluoromethane	2,100,000	860	97000	220,000	< 0.0021	< 0.044
Vinyl Acetate	160,000	250	28,000	1,600	< 0.013	< 0.28
Vinyl chloride	780	0.29	30	3,000	< 0.00096	< 0.020
o-xylene	41,000	120	14,000	2,600	0.0048	< 0.036
m,p-xylene	52,000	140	17,000	3,100	0.013	< 0.067
Xylenes (total)	49,000	140	17,000	2,900	0.018	< 0.10

* Illinois EPA Tier 1 Soil Gas Remediation Objectives (SGROs); 35 IAC 742, Appendix B, Tables G, H, I

Results in mg/m^3

NRO - No Remediation Objective