above ground storage tank
air quality
asbestos/lead-based paint
baseline environmental assessment
brownfield redevelopment
building/infrastructure restoration
caisson/piles
coatings
concrete
construction materials services
corrosion
dewatering
drilling
due care analysis
earth retention system
environmental compliance
environmental site assessment
facility asset management
failure analyses
forensic engineering
foundation engineering
geodynamic/vibration
geophysical survey
geosynthetic
greyfield redevelopment
ground modification
hydrogeologic evaluation
industrial hygiene
indoor air quality/mold
instrumentation
masonry/stone
metals
nondestructive testing
pavement evaluation/design
property condition assessment
regulatory compliance
remediation
risk assessment
roof system management
sealants/waterproofing
settlement analysis
slope stability
storm water management
structural steel/welding
underground storage tank

UST SYSTEM CLOSURE ASSESSMENT REPORT

CITY OF FRANKLIN STREET DEPARTMENT FACILITY
951 HAMILTON AVENUE
FRANKLIN, INDIANA

Prepared by:

Soil and Materials Engineers, Inc.
5847 W. 74th Street
Indianapolis, Indiana 46278
(317) 876-0200

SME Project Number: 067138.00

May 30, 2013

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May 30, 2013

Mr. Ron Collins,
Street Commissioner
Franklin Street Department
2871 N. Morton Street
Franklin, Indiana 46131

RE: UST Closure Assessment Report
Franklin Street Department Facility
951 Hamilton Avenue
Franklin, Indiana 46131
Johnson County
FID #20155
LUST Incident #201304505
SME Project Number: 067138.00

Dear Mr. Collins:

Soil and Materials Engineers, Inc. (SME) has completed an Underground Storage Tank Closure (UST) Assessment Report for the above referenced site. The enclosed report presents the results of the UST Closure Assessment completed during the removal of the former UST system.

Thank you for the opportunity to provide these services. If you have any questions concerning this report, or if additional services are required, please call.

Very truly yours,

SOIL AND MATERIALS ENGINEERS, INC.

Christopher G. Shaw, CHMM
Project Manager

Keith B Egan, Ohio CP #259
Senior Consultant

Enclosures: One Original and One CD

Distribution: IDEM OLQ UST Branch- Two Copies and One CD
IDEM OLQ LUST Section-One CD

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Appendix B: Laboratory Certificate of Analysis and Chain-of-Custody Form
Appendix C: Boring Log
Appendix D: Disposal Documentation: Residual Liquid / USTs
Appendix E: UST System Monthly Monitoring Data
Appendix F: Off-site Source Documentation

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1.0 RESPONSIBLE PARTY

The subject property is the Franklin Street Department facility (FID #20155), located at 951 Hamilton Avenue, in Franklin, Indiana (the "Site"). The Site is currently owned by the City of Franklin, Indiana (the City); the contact for the Site is Mr. Ron Collins, Street Commissioner. The mailing address for Mr. Collins is the City of Franklin Street Department, 2871 North Morton Street, Franklin, Indiana 46131. Mr. Collins can be contacted via telephone at (317) 736-3660. The City of Franklin has owned the Site since 1982.

2.0 UST CONTRACTOR

Mr. Brooks Farmer (Office of State Fire Marshall certification number UC-UC20108500) of Hoosier Equipment Service, Inc. conducted the UST removal. Hoosier Equipment Service, Inc. is located at 8149 Network Drive, Plainfield, Indiana 46168 (telephone number (317) 856-2751). Soil and Materials Engineers, Inc. (SME) was responsible for selecting soil sampling locations, obtaining the appropriate number of soil samples, documenting field activities, and preparing this report. The UST's were removed the week of April 15, 2013.

3.0 UST SITE

3.1 Facility Information

The Franklin Street Department facility (FID #20155) is located at 951 Hamilton Avenue, Franklin, Indiana. The Franklin Street Department administrative offices have moved from the Site to a new facility. The Site is currently used for storage of Street Department materials (mulch, crushed stone, sand, etc.) and idle equipment. The Site has no telephone service. The Site is located on approximately 2.5 acres and was operated as the City of Franklin Street Department's primary facility (administrative offices, material and vehicle storage) from 1982 until 2011. The USTs were located approximately 35 feet north of the administration building, and the dispensers were located eight feet north of the UST basin. The UST system was used for fueling Franklin Street Department vehicles. No other UST systems are known to have been operated at the Site. Ground cover across the majority of the Site consists of asphalt pavement. A small gravel area was located to the east of the UST basin. The Site location is depicted on Figure 1.

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3.2 Spill History

On April 23, 1990, a malfunctioning dispenser was reported to the Indiana Department of Environmental Management (IDEM) who assigned incident #9004505. In November 1998 the IDEM received a letter from the contractor who had reportedly completed work on the UST system in 1990. The contractor's letter reportedly indicated a faulty check valve had allowed the product lines to drain back to the tank, resulting in poor dispenser performance. The check valve was subsequently replaced. On December 1, 1998, the IDEM issued a No Further Action (NFA) Letter for the Site.

Based on the results of the field observations during removal activities conducted on April 16, 2013, a suspected release was reported on April 16, 2013 and the IDEM assigned incident #201304505. The field observations included soil staining, petroleum odor, and elevated field instrument readings at one sample location, #13, West Dispenser. The release was confirmed with laboratory data on May 6, 2013. Impacted soils were over-excavated and the results of the confirmatory soil sample analysis were below the respective IDEM Remediation Closure Guide (RCG) Residential Direct Contact Screening Levels.

3.3 Site Surroundings

The site is located in a mixed-use industrial/residential area. Residential properties are located adjacent to the east of the Site. Warrior Oil Service, Inc., 809 Overstreet Street is located adjacent to the west/northwest with residential properties located further west. Residential properties are located to the north along Hamilton Avenue with industrial properties located further north including the location of the former Amphenol plant. Commercial/industrial properties are located to the south of the site. Figure 2 illustrates Site features including the structure locations, neighboring properties, and the former location of the UST system removed as part of the UST closure operations.

3.4 Geologic and Hydrogeologic Conditions

The soils observed during the UST System Closure Assessment activities were primarily blackish brown silty fine to coarse sand and fine to medium gravel (fill) to a depth of approximately two and one- half feet below the ground surface (bgs). Brown sandy clay was present to a depth of approximately five feet bgs that was underlain with dark brown fine to medium sand with trace silt to an approximate depth of 7 feet bgs. The fine to medium sand with trace silt became coarser and fine gravel was present near the base of the excavation at a depth of approximately eight feet bgs and extended to the final depth of the excavation at approximately nine feet bgs. Groundwater was not observed in the UST excavation during closure activities.

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Hurricane Creek is the nearest surface water body and is located approximately 0.2 miles southeast of the Site. SME has deduced that groundwater flow at the Site is to the south based on the following evidence:

- The topography of the area slopes downward to the south,
- Hurricane Creek is located south of the Site, and
- Environmental Assessments at the Amphenol manufacturing plant, located less than 500 feet to the north of the Site, consistently show groundwater flows to the south.

Based on topography, surficial water drainage is to the south.

3.5 Site Maps

Figure 1, *Property Location Map* shows the location of the Site relative to key features on a topographic map. Figure 2, *Property Features Diagram* provides information on the former UST system location, and above-ground and subsurface property features. Figure 3, *Soil Analytical Results Diagram* depicts the sample locations and analytical results for soil samples collected during the UST Closure Assessment. Figure 4, *Groundwater Analytical Results Diagram* depicts the sample location and analytical results for the groundwater sample collected during the UST Closure Assessment.

4.0 UNDERGROUND STORAGE TANKS

Two 6,000 gallon USTs, containing gasoline, and associated piping and dispensers were removed from the Site during the week of April 15, 2013. The USTs were installed in 1988 and constructed of steel. Leak detection/prevention methods previously used included interior lining, automatic tank gauging, tanks and line tightness testing, catchment basins, automatic shutoff devices, line leak detectors, overfill alarms, and ball float valves. The piping was double walled fiberglass reinforced plastic (FRP). The UST information is summarized below. A signed Notification for Underground Storage Tanks Form [State Form 45223 (R2/7-03)] is included as Appendix A. The available UST system monthly monitoring data is presented in Appendix E.

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5.0 SAMPLE RESULTS

5.1 Assessment Sampling Procedures

Soil grab samples were collected from the excavations with the aid of the bucket of the contractor's hydraulic excavator. Assessment sampling locations are depicted on Figure 2.

Soil samples intended for volatile organic compound (VOC) laboratory analyses were collected from the bucket of the contractor's hydraulic excavator using disposable Terra Core samplers. The surface of the soil in the bucket was removed prior to the collection of soil samples. The soil samples were placed in laboratory preserved 40-milliliter (mL) glass vials following U.S. Environmental Protection Agency (U.S. EPA) Method 5035A. The soil samples collected for lead analysis were placed in pre-cleaned 4-ounce glass jars provided by the analytical laboratory.

A portion of each soil sample was used for field screening of ionizable VOCs using a calibrated photoionization detector (PID) equipped with a 10.6 eV lamp. Field screening consisted of placing a portion of the sample in a sealed plastic bag and allowing the sample to release ionizable VOCs. The tip of the PID was inserted in the headspace of the bag, and PID readings were recorded in SME team member's field book. The area beneath the western fuel dispenser was the only confirmatory sampling location that exhibited measurable a PID reading (150 ppm).

Each sample was collected using new nitrile gloves. Decontamination was not required as the samples did not come into contact with the bucket of the contractor's hydraulic excavator and the samples were collected using disposable transfer tools and/or placed directly into laboratory provided containers.

Excavation base samples were collected from beneath each end of each UST at depths of approximately nine feet below the ground surface (bgs). Sidewall samples were collected from near the mid-point of each wall (approximately four and one-half feet bgs) of the excavations at least every 20 feet along the perimeter. The fuel dispensers were installed on a concrete foundation that was approximately two feet thick. One soil sample was taken from beneath each of the fuel dispensers (samples 13 and 14) at a depth of approximately three feet bgs and one soil sample was obtained along the product lines at a depth of approximately two and one-half feet bgs. The area beneath the west fuel dispenser exhibited field indications of petroleum impact (soil staining, petroleum odor, and elevated field instrument readings). This area was over-

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excavated, removing the soil from which sample 13 was collected, and then resampled (samples18 – 20). The wall samples (samples 19 and 20) were collected at a depth of three feet bgs and the base of the excavation was sampled at four and one-half feet bgs (sample 18).

Closure samples were collected from native soils except for the samples obtained from the stockpiled backfill. One backfill sample was collected for each 50 cubic yards of fill material removed during excavation. Approximately 90 cubic yards of backfill were removed from the UST area and stockpiled (Stockpile A) adjacent to the excavation; therefore, two backfill samples were obtained (samples 15 and 16). Approximately 25 cubic yards of soil suspected to be impacted with petroleum hydrocarbons were placed in a separate soil stockpile (Stockpile B). One soil sample was collected from the stockpile suspected to be impacted (sample #17).

The soil samples were labeled, entered into chain of custody, placed in a cooler filled with ice and transported to Pace Analytical Services (Pace) of Indianapolis, Indiana, maintaining a temperature of 4°C or less.

5.2 Soil Analytical Results

A total of nineteen soil samples and a duplicate sample were collected during the assessment and analyzed for VOCs, Naphthalenes (naphthalene, 1-methylnaphthalene, 1-methylnaphthalene), and Lead Scavengers (1,2-dichloroethane and 1,2-dibromoethane [EDB]) using U.S. Environmental Protection Agency (USEPA) Method SW846-8260 and for lead using USEPA Method SW846-6010. A summary of the soil analytical results are provided in Table 1. A copy of the certificates of analysis including chain-of-custody documentation is included in Appendix B. Figure 3 illustrates the sampling locations and the laboratory analytical results.

Results of chemical analyses performed on soil samples collected by SME are summarized in the following paragraphs and tabulated in Table 1. Results of chemical analyses were compared to the IDEM Remediation Closure Guide (RCG) Appendix A - Tables A-6 Screening Level Summary, dated March 22, 2012 - Updated March 1, 2013. Laboratory analysis reports are included in Appendix B.

Naphthalene and 1, 2, 4-trimethylbenzene (124 TMB) were measured at concentrations above their respective IDEM RCG Direct Contact Residential (Residential) screening level criteria of 50 and 87 parts per million (ppm) in the soil sample (sample 13) collected from beneath the western fuel dispenser at a depth of three feet bgs. Additionally, 124 TMB exceeded the IDEM RCG Direct Contact Commercial/Industrial screening level criteria of 220 ppm. However, this soil was removed becoming Stockpile B and will be disposed off-site. As discussed in Section 5.1, the dispenser excavation walls and floor and the analytical results demonstrated naphthalene and 124 TMB were no longer present in the soil. No other target

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analytes were measured in the remaining soil samples collected during the UST closure assessment at concentrations above the IDEM RCG Direct Contact Residential or the Soil Migration to Residential Groundwater Screen Levels.

The impacted soil in the area of the western fuel dispenser was excavated and stockpiled on-site and three confirmatory soil samples were collected from the over-excavated area at depths of three, four and one-half and five feet bgs. No target analytes were measured in the three confirmatory soil samples at concentrations above the IDEM RCG Direct Contact Residential Screening Level. The contaminated soil stockpile will be transported to Southside Landfill for proper disposal.

5.3 Groundwater Sample Results

Groundwater was not encountered in the excavation during UST closure operations. Therefore, in accordance with 329 IAC 9-6-2.5 a soil boring (SB1) was completed adjacent to the western fuel dispenser excavation in order to collect a groundwater sample. The boring log for SB1 is included in Appendix C. A grab water sample was collected from a temporary groundwater well installed in soil boring SB1 and analyzed for VOCs, Naphthalenes, lead and lead scavengers.

The temporary groundwater monitoring well was constructed of 5-foot long, 1-inch diameter, sand pre-packed, and 0.010-inch slotted PVC screen attached to 1-inch diameter PVC riser. The well was installed such that the screen intersected the water table. SME purged the well using new polyethylene tubing and check valve. After well purging, SME collected groundwater samples for VOC analyses using new disposable polyethylene mini-bailers. Water from the bailer was directly transferred into three, 40-mL glass vials preserved with hydrochloric acid. Samples were collected for lead analysis subsequent to the collection of groundwater samples for VOC analysis. The groundwater samples collected for lead analysis were directly transferred into two, 250-mL plastic jars preserved with nitric acid. After purging and groundwater sampling, SME removed the well casing, placed the development water back into the boring, and filled borings to the ground surface with soil cuttings and bentonite chips.

A summary of the groundwater analytical results are provided in Table 2. A copy of the certificate of analysis including chain-of-custody documentation is included in Appendix B. Figure 4 illustrates the sampling location and the laboratory analytical results.

Trichloroethene (TCE) and lead were the only compounds measured at concentrations above their respective IDEM RCG Direct Contact Residential Screening Levels in the groundwater sample and duplicate sample collected from SB1.

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The USTs at the site were used for gasoline storage and are not a potential source of the TCE. Additionally, the site is not a Hazardous Waste generator. The former Amphenol facility (IND044587848) located at 980 Hurricane Road (less than 500 feet north/northeast) appears to be the source of the TCE in groundwater discovered at the site. The Amphenol facility is currently occupied by Franklin Power Products & International Fuel Systems. The former Amphenol facility has been conducting RCRA Enforcement Corrective Action since approximately 1985. The contaminants of concern at the former Amphenol facility are primarily the chlorinated compounds TCE and tetrachloroethylene (PCE). The plumes extend off-site based on the information SME obtained from the Indiana Virtual File Cabinet. The groundwater flow is toward the site. Documentation of the Amphenol location, groundwater flow direction, and plume extent in 1985 is provided in Appendix F. In addition, a map from the 2007 sampling event shows TCE present in groundwater at MW-12, located on the Amphenol southern property boundary at a concentration of 0.687 µg/L.

SME performed Domenico Transport Modeling using the 2007 TCE result at MW-12, default parameters for the saturated zone type (sand), and predicted the 2013 TCE concentration at the Site. The model predicted TCE would be present at the Site at a concentration of 6.6 µg/L, very close to the actual concentration of 19.7 µg/L. The evidence supports the conclusion that the Site is not the source of TCE in groundwater. Modeling Documentation is also provided in Appendix F.

The reported lead concentration in groundwater is presumed to be the result of a positive bias from the sediment present in the sample obtained from the temporary, pre-pack well. The highest lead concentration reported in the soil samples collected as part of the UST closure assessment was 20.7 ppm, which is less than the Soil Migration to Residential Groundwater Screening Level of 270 mg/kg.

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6.0 MISCELLANEOUS CLOSURE DOCUMENATION

6.1 Soil Disposal Documentation

Approximately 90 cubic yards of fill material were excavated to access the USTs. The backfill material was replaced in the tank excavation. Approximately 25 cubic yards of impacted soil are stockpiled on-site awaiting disposal at Southside Landfill.

6.2 Residual Product and Sludge Documentation

Tank bottoms were collected in six 55-gallon drums. The tank bottoms were collected and removed by Future Environmental of Indianapolis, Indiana for disposal or recycling. Documentation for the product/sludge is included in Appendix D.

6.3 Tank and Piping Disposal Documentation

The USTs were purged and cleaned according to practice API-1604 and disposed of at Lusco Metal Recycling in Noblesville, Indiana. Documentation for the UST disposal is included in Appendix D.

6.4 Previous Owner History (past 25 years)

The subject property located 951 Hamilton Avenue, Franklin, Indiana is currently owned by the City of Franklin, which has owned and operated the Site since 1982.

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7.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the results of the field observations during UST removal activities, a suspected release was reported on April 16, 2013 and the IDEM assigned incident #201304505. The release was confirmed on May 6, 2013 with laboratory data. The corrective action taken to address the impacted soil consisted of the over-excavation of soil in the vicinity of the western fuel dispenser (source area). No target analytes were measured above the IDEM RCG Direct Contact Residential Screening Levels in the over-excavation confirmatory soil samples.

The TCE detected in the groundwater sample collected from SB1 is presumed to have migrated onto the site from the former Amphenol property. The lead detected is the result of sediment interference and is not representative of Site conditions.

We believe this UST Closure Assessment Report satisfies the Initial Site Characterization (ISC) requirement and no further investigation is warranted. We request the IDEM issue a No Further Action (NFA) letter for the site and consider the UST closure complete.

Report prepared by: Christopher G. Shaw, CHMM
Report reviewed by: Keith B Egan, Ohio CP #259

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8.0 REFERENCES

Indiana Department of Environmental Management, Remediation Closure Guide: March 22, 2012, with corrections through July 9, 2012, Update March 2013

Indiana Department of Environmental Management, Remediation Program Guide: February 2012, with Corrections up to July 9, 2012

Indiana Administrative Code: 329 IAC 9-6-2.5 Closure Procedure

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TABLES

TABLE 1 – SOIL ANALYTICAL RESULTS
TABLE 2 – GROUNDWATER ANALYTICAL RESULTS

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TABLE 1
SOIL ANALYTICAL RESULTS
City of Franklin UST Removal
SME Project No. 067138.00

Analyte (see laboratory report for analysis methods)	CAS Number	Direct Contact Residential[2]	Direct Contact Commercial / Industrial[2]	Direct Contact Excavation[2]	Soil Migration to Groundwater Residential[2]	Sample Identification	CHEMICAL ANALYSES RESULTS (mg/kg)			
							01-West Wall South	02-West Tank Base South End	03-South Wall	04-East Tank Base South End
						Sample Depth (ft. below grade)	4.75'	9.5'	4.75'	9.5'
						Date Collected	4/16/2013	4/16/2013	4/16/2013	4/16/2013
VOCs										
Benzene	71-43-2	15	54	750	0.051		<.0058	<.0045	<.0053	<.0051
Ethylbenzene	100-41-4	76	270	480	16		<.0058	<.0045	<.0053	<.0051
Isopropylbenzene (Cumene)	98-82-8	270	270	270	13		<.0058	<.0045	<.0053	<.0051
1-Methylnaphthalene	90-12-0	220	530	33,000	1		<.0116	<.0089	<.0106	<.0101
2-Methylnaphthalene	91-57-6	320	2,200	3,700	2.8		<.0116	<.0089	<.0106	<.0101
Naphthalene	91-20-3	50	180	1,000	0.092		<.0058	<.0045	<.0053	<.0051
n-Hexane	110-54-3	140	140	140	34		<.0058	<.0045	<.0053	<.0051
n-Propylbenzene	103-65-1	260	260	260	20		<.0058	<.0045	<.0053	<.0051
p-Isopropyltoluene	99-87-6	NAC	NAC	NAC	NAC		<.0058	<.0045	<.0053	<.0051
sec-Butylbenzene	135-98-8	NAC	NAC	NAC	NAC		<.0058	<.0045	<.0053	<.0051
Toluene	108-88-3	820	820	820	14		<.0058	<.0045	<.0053	<.0051
1, 2, 4- Trimethylbenzene	95-63-6	87	220	220	0.44		<.0058	<.0045	<.0053	<.0051
1, 3, 5 - Trimethylbenzene	108-67-8	180	180	180	2.5		<.0058	<.0045	<.0053	<.0051
Xylene	1330-20-7	260	260	260	200		<.0116	<.0089	<.0106	<.0101
Other VOCs	CS	CS	CS	CS	CS		<RL	<RL	<RL	<RL
Metals										
Lead, total	7439-92-1	400	800	1,000	270		**8.1**	**9.5**	**6.1**	**20.7**

Notes:
1. Only analytes measured at concentrations above their respective Reporting Limit in at least one sample are listed.
2. Screening Levels taken from *IDEM Remediation Closure Guide* Table A-6 of Appendix A, Updated March 1, 2013.
4. Detected results shown in **BOLD**. Results exceeding Residential Direct Contact screening level are shaded yellow.
5. VOCs - Volatile Organic Compounds; Refer to the analytical report for the full list of VOC analytes.
6. CS - Criterion is specific to individual constituent.
7. <RL - concentrations of all non-listed constituents were below their respective Reporting Limits.
8. NAC - No applicable criterion.

TABLE 1
SOIL ANALYTICAL RESULTS
City of Franklin UST Removal
SME Project No. 067138.00

Analyte (see laboratory report for analysis methods)	CAS Number	Direct Contact Residential[2]	Direct Contact Commercial / Industrial[2]	Direct Contact Excavation[2]	Soil Migration to Groundwater Residential[2]	Sample Identification	CHEMICAL ANALYSES RESULTS (mg/kg)			
							05-East Wall South	06-West Wall North	07-East Tank Base North End	08-West Tank Base North End
						Sample Depth (ft. below grade)	4.75'	4.75'	9.5'	9.5'
						Date Collected	4/16/2013	4/16/2013	4/16/2013	4/16/2013
VOCs										
Benzene	71-43-2	15	54	750	0.051		<.0055	<.0047	<.0054	<.0043
Ethylbenzene	100-41-4	76	270	480	16		<.0055	<.0047	<.0054	<.0043
Isopropylbenzene (Cumene)	98-82-8	270	270	270	13		<.0055	<.0047	<.0054	<.0043
1-Methylnaphthalene	90-12-0	220	530	33,000	1		<.0110	<.0094	<.0108	<.0085
2-Methylnaphthalene	91-57-6	320	2,200	3,700	2.8		<.0110	<.0094	<.0108	<.0085
Naphthalene	91-20-3	50	180	1,000	0.092		<.0055	<.0047	<.0054	<.0043
n-Hexane	110-54-3	140	140	140	34		<.0055	<.0047	<.0054	<.0043
n-Propylbenzene	103-65-1	260	260	260	20		<.0055	<.0047	<.0054	<.0043
p-Isopropyltoluene	99-87-6	NAC	NAC	NAC	NAC		<.0055	<.0047	<.0054	<.0043
sec-Butylbenzene	135-98-8	NAC	NAC	NAC	NAC		<.0055	<.0047	<.0054	<.0043
Toluene	108-88-3	820	820	820	14		<.0055	<.0047	<.0054	<.0043
1, 2, 4- Trimethylbenzene	95-63-6	87	220	220	0.44		<.0055	<.0047	<.0054	<.0043
1, 3, 5 - Trimethylbenzene	108-67-8	180	180	180	2.5		<.0055	<.0047	<.0054	<.0043
Xylene	1330-20-7	260	260	260	200		<.0110	<.0094	<.0108	<.0085
Other VOCs	CS	CS	CS	CS	CS		<RL	NA	<RL	<RL
Metals										
Lead, total	7439-92-1	400	800	1,000	270		**6.5**	**4.3**	**6.2**	**9.1**

Notes:
1. Only analytes measured at concentrations above their respective Reporting Limit in at least one sample are listed.
2. Screening Levels taken from *IDEM Remediation Closure Guide* Table A-6 of Appendix A, Updated March 1, 2013.
4. Detected results shown in **BOLD**. Results exceeding Residential Direct Contact screening level are shaded yellow.
5. VOCs - Volatile Organic Compounds; Refer to the analytical report for the full list of VOC analytes.
6. CS - Criterion is specific to individual constituent.
7. <RL - concentrations of all non-listed constituents were below their respective Reporting Limits.
8. NAC - No applicable criterion.

TABLE 1
SOIL ANALYTICAL RESULTS
City of Franklin UST Removal
SME Project No. 067138.00

Analyte (see laboratory report for analysis methods)	CAS Number	Direct Contact Residential[2]	Direct Contact Commercial / Industrial[2]	Direct Contact Excavation[2]	Soil Migration to Groundwater Residential[2]	Sample Identification	CHEMICAL ANALYSES RESULTS (mg/kg)			
							09-East Wall North	09-Duplicate-East Wall North	11-North Wall	12-Pipe run
						Sample Depth (ft. below grade)	4.75'	4.75'	5'	2.5'
						Date Collected	4/16/2013	4/16/2013	4/17/2013	4/17/2013
VOCs										
Benzene	71-43-2	15	54	750	0.051		<.0057	<.0053	<.0047	**0.0372**
Ethylbenzene	100-41-4	76	270	480	16		<.0057	<.0053	<.0047	<.0049
Isopropylbenzene (Cumene)	98-82-8	270	270	270	13		<.0057	<.0053	<.0047	<.0049
1-Methylnaphthalene	90-12-0	220	530	33,000	1		<.0115	<.0105	<.0094	<.0098
2-Methylnaphthalene	91-57-6	320	2,200	3,700	2.8		<.0115	<.0105	<.0094	<.0098
Naphthalene	91-20-3	50	180	1,000	0.092		<.0057	<.0053	<.0047	<.0049
n-Hexane	110-54-3	140	140	140	34		<.0057	<.0053	<.0047	<.0049
n-Propylbenzene	103-65-1	260	260	260	20		<.0057	<.0053	<.0047	<.0049
p-Isopropyltoluene	99-87-6	NAC	NAC	NAC	NAC		<.0057	<.0053	<.0047	<.0049
sec-Butylbenzene	135-98-8	NAC	NAC	NAC	NAC		<.0057	<.0053	<.0047	<.0049
Toluene	108-88-3	820	820	820	14		<.0057	<.0053	<.0047	**0.0208**
1, 2, 4- Trimethylbenzene	95-63-6	87	220	220	0.44		<.0057	<.0053	<.0047	<.0049
1, 3, 5 - Trimethylbenzene	108-67-8	180	180	180	2.5		<.0057	<.0053	<.0047	<.0049
Xylene	1330-20-7	260	260	260	200		<.0115	<.0105	<.0094	<.0098
Other VOCs	CS	CS	CS	CS	CS		<RL	<RL	<RL	<RL
Metals										
Lead, total	7439-92-1	400	800	1,000	270		**6.0**	**5.0**	**11.7**	**2.5**

Notes:
1. Only analytes measured at concentrations above their respective Reporting Limit in at least one sample are listed.
2. Screening Levels taken from *IDEM Remediation Closure Guide* Table A-6 of Appendix A, Updated March 1, 2013.
4. Detected results shown in **BOLD**. Results exceeding Residential Direct Contact screening level are shaded yellow.
5. VOCs - Volatile Organic Compounds; Refer to the analytical report for the full list of VOC analytes.
6. CS - Criterion is specific to individual constituent.
7. <RL - concentrations of all non-listed constituents were below their respective Reporting Limits.
8. NAC - No applicable criterion.

TABLE 1
SOIL ANALYTICAL RESULTS
City of Franklin UST Removal
SME Project No. 067138.00

Analyte (see laboratory report for analysis methods)	CAS Number	Direct Contact Residential[2]	Direct Contact Commercial / Industrial[2]	Direct Contact Excavation[2]	Soil Migration to Groundwater Residential[2]	Sample Identification	CHEMICAL ANALYSES RESULTS (mg/kg)			
							13-West Dispenser	14-East Dispenser	15-Stockpile (A)	16-Stockpile (B)
						Sample Depth (ft. below grade)	3.0'	3.0'	NA	NA
						Date Collected	4/17/2013	4/17/2013	4/17/2013	4/17/2013
VOCs										
Benzene	71-43-2	15	54	750	0.051		<.0045	<.0051	<.0048	<.0049
Ethylbenzene	100-41-4	76	270	480	16		**0.0304**	<.0051	<.0048	<.0049
Isopropylbenzene (Cumene)	98-82-8	270	270	270	13		**0.0319**	<.0051	<.0048	<.0049
1-Methylnaphthalene	90-12-0	220	530	33,000	1		**123**	<.0141	<.0095	<.0049
2-Methylnaphthalene	91-57-6	320	2,200	3,700	2.8		**224**	<.0141	**0.0141**	**0.016**
Naphthalene	91-20-3	50	180	1,000	0.092		**75.7**	<.0071	<.0048	<.0049
n-Hexane	110-54-3	140	140	140	34		<.0045	<.0051	<.0048	<.0049
n-Propylbenzene	103-65-1	260	260	260	20		**0.102**	<.0051	<.0048	<.0049
p-Isopropyltoluene	99-87-6	NAC	NAC	NAC	NAC		**0.094**	<.0051	<.0048	<.0049
sec-Butylbenzene	135-98-8	NAC	NAC	NAC	NAC		**0.0798**	<.0051	<.0048	<.0049
Toluene	108-88-3	820	820	820	14		<.0045	<.0051	<.0048	<.0049
1, 2, 4- Trimethylbenzene	95-63-6	87	220	220	0.44		**251**	<.0051	<.0048	<.0049
1, 3, 5 - Trimethylbenzene	108-67-8	180	180	180	2.5		**112**	<.0051	<.0048	<.0049
Xylene	1330-20-7	260	260	260	200		**20.9**	<.0102	<.0095	<.0099
Other VOCs	CS	CS	CS	CS	CS		<RL	<RL	<RL	<RL
Metals										
Lead, total	7439-92-1	400	800	1,000	270		**9.3**	**12.5**	**5.2**	**8.6**

Notes:
1. Only analytes measured at concentrations above their respective Reporting Limit in at least one sample are listed.
2. Screening Levels taken from *IDEM Remediation Closure Guide* Table A-6 of Appendix A, Updated March 1, 2013.
4. Detected results shown in **BOLD**. Results exceeding Residential Direct Contact screening level are shaded yellow.
5. VOCs - Volatile Organic Compounds; Refer to the analytical report for the full list of VOC analytes.
6. CS - Criterion is specific to individual constituent.
7. <RL - concentrations of all non-listed constituents were below their respective Reporting Limits.
8. NAC - No applicable criterion.

TABLE 1
SOIL ANALYTICAL RESULTS
City of Franklin UST Removal
SME Project No. 067138.00

Analyte (see laboratory report for analysis methods)	CAS Number	Direct Contact Residential[2]	Direct Contact Commercial / Industrial[2]	Direct Contact Excavation[2]	Soil Migration to Groundwater Residential[2]	Sample Identification	CHEMICAL ANALYSES RESULTS (mg/kg)				
							17-Stockpile Suspect	18-Dispenser Over Ex. Base	19-Disp. Over Ex. West Wall	20-Disp. Over Ex. North Wall	21-Trip Blank
						Sample Depth (ft. below grade)	NA	4.5'	3'	3'	NA
						Date Collected	4/17/2013	4/17/2013	4/17/2013	4/17/2013	4/17/2013
VOCs											
Benzene	71-43-2	15	54	750	0.051		<.0050	<.0045	<.0047	<.0046	<.0050
Ethylbenzene	100-41-4	76	270	480	16		0.0282	<.0045	<.0047	<.0046	<.0050
Isopropylbenzene (Cumene)	98-82-8	270	270	270	13		**0.0233**	<.0045	<.0047	<.0046	<.0050
1-Methylnaphthalene	90-12-0	220	530	33,000	1		**82.2**	<.0091	<.0095	<.0093	<.0050
2-Methylnaphthalene	91-57-6	320	2,200	3,700	2.8		**163**	**0.0151**	<.0095	<.0093	<.0100
Naphthalene	91-20-3	50	180	1,000	0.092		**47.3**	<.0045	<.0047	<.0046	<.0014
n-Hexane	110-54-3	140	140	140	34		<.0050	<.0045	**0.0116**	<.0046	<.0050
n-Propylbenzene	103-65-1	260	260	260	20		**0.0899**	<.0045	<.0047	<.0046	<.0050
p-Isopropyltoluene	99-87-6	NAC	NAC	NAC	NAC		**0.0419**	<.0045	<.0047	<.0046	<.0050
sec-Butylbenzene	135-98-8	NAC	NAC	NAC	NAC		**0.0411**	<.0045	<.0047	<.0046	<.0050
Toluene	108-88-3	820	820	820	14		<.0050	<.0045	<.0047	<.0046	<.0050
1, 2, 4- Trimethylbenzene	95-63-6	87	220	220	0.44		**174**	<.0045	<.0047	<.0046	<.0050
1, 3, 5 - Trimethylbenzene	108-67-8	180	180	180	2.5		**73.8**	<.0045	<.0047	<.0046	<.0050
Xylene	1330-20-7	260	260	260	200		**0.228**	<.0091	<.0095	<.0093	<.0100
Other VOCs	CS	CS	CS	CS	CS		<RL	<RL	<RL	<RL	<RL
Metals											
Lead, total	7439-92-1	400	800	1,000	270		**10**	**5.0**	**9.7**	**10.7**	NAC

Notes:
1. Only analytes measured at concentrations above their respective Reporting Limit in at least one sample are listed.
2. Screening Levels taken from *IDEM Remediation Closure Guide* Table A-6 of Appendix A, Updated March 1, 2013.
4. Detected results shown in **BOLD**. Results exceeding Residential Direct Contact screening level are shaded yellow.
5. VOCs - Volatile Organic Compounds; Refer to the analytical report for the full list of VOC analytes.
6. CS - Criterion is specific to individual constituent.
7. <RL - concentrations of all non-listed constituents were below their respective Reporting Limits.
8. NAC - No applicable criterion.

TABLE 2
GROUNDWATER ANALYTICAL RESULTS
CITY OF FRANKLIN UST REMOVAL
SME Project No. 067138.00

Analyte (see laboratory report for analysis methods)	CAS Number	IDEM REMEDIATION CLOSURE GUIDE SCREENING LEVELS (µg/L)			CHEMICAL ANALYSES RESULTS (µg/L)			
					Sample Identification	SB1-Water	SB1-Water Dup	Trip Blank
					Screen Interval (ft. below grade)	10-15	10-15	NA
		Drinking Water Protection Criteria-Residential Tap	Groundwater Volatilization to Indoor Air Inhalation - Residential	Groundwater Volatilization to Indoor Air Inhalation - Industrial	Date Collected	4/26/2013	4/26/2013	4/26/2013
VOCs								
Trichloroethene	79-01-6	5	9.1	38		**19.7**	**18.9**	<5.0
Xylene (Total)	1330-20-7	4,700	NE	NE		<10.0	**11.9**	<10.0
Other VOCs	CS	CS	CS	CS		<RL	<RL	<RL
Metals								
Lead	7439-92-1	15	NE	NE		**19.1**	**24.2**	<RL

Notes:
1. Only analytes measured at concentrations above their respective Method Reporting Limit in at least on sample are listed.
2. Screening Levels taken from *IDEM Remediation Closure Guide* Table A-6 of Appendix A, dated March 22, 2012 - Updated March 1, 2013.
3. Detected results shown in **BOLD**. Results exceeding one or more criteria are shaded yellow.
4. VOCs - Volatile Organic Compounds. Refer to the analytical report for the full list of VOC analytes.
5. CS - Criterion is specific to individual constituent.
6. <RL - concentrations of all non-listed constituents were below their respective Reporting Limits.
7. NE- Not Established.

FIGURES

FIGURE 1 – PROPERTY LOCATION MAP
FIGURE 2 – PROPERTY FEATURES DIAGRAM
FIGURE 3 – SOIL ANALYTICAL RESULTS MAP
FIGURE 4 – GROUNDWATER ANALYTICAL RESULTS MAP

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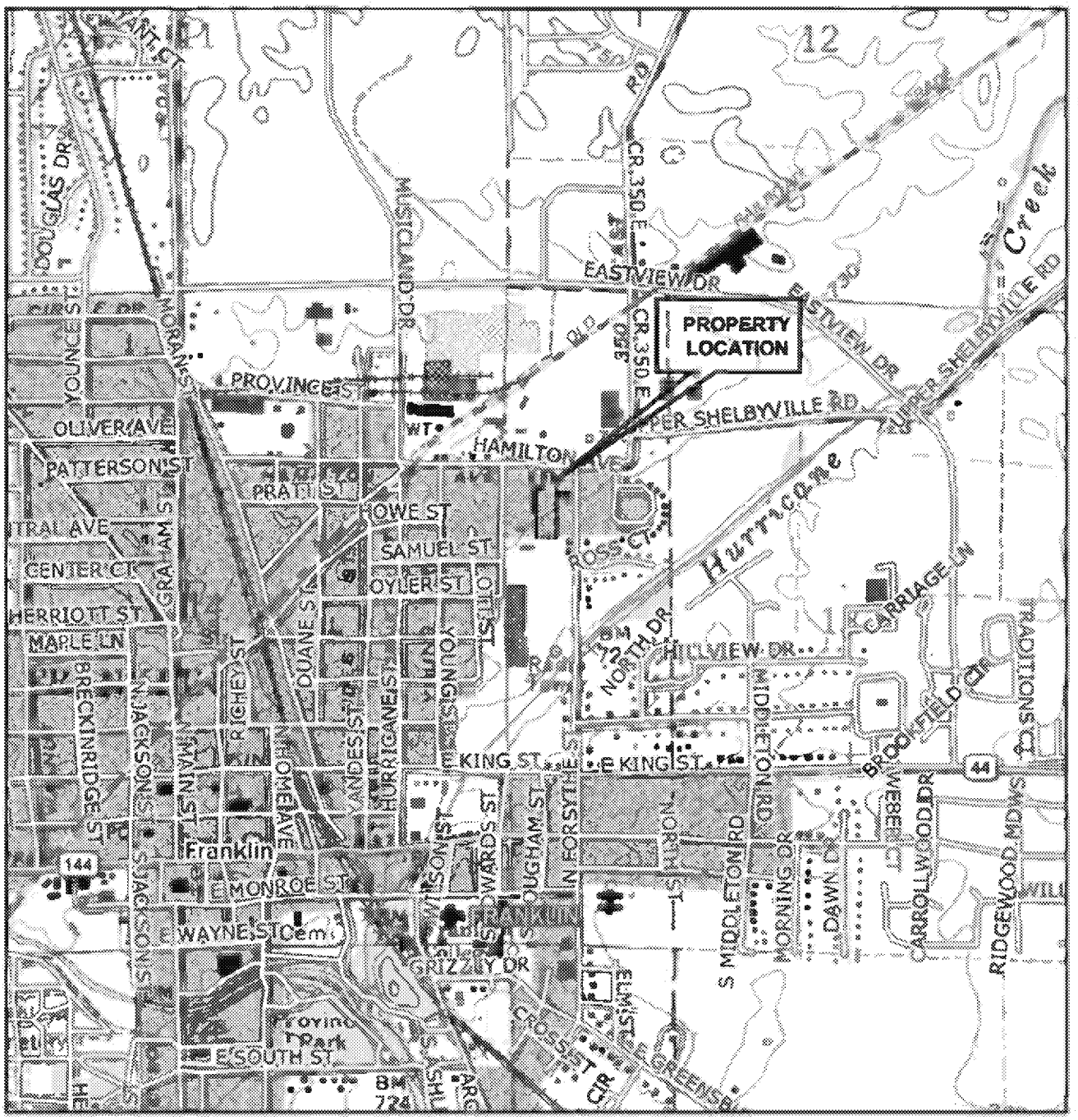

Base map obtained from © DeLorme Topo North America ™ 10.

USGS QUADRANGLE(s) REFERENCED

FRANKLIN (IN) 1994

0' 2000'

SCALE: 1" = 2000'

NORTH

May 29, 2013 - 4:48pm - jblake \\Smefile\work in progress\067138.00\CAD\DWGS\rev1\67138.00-01.dwg

sme

www.sme-usa.com

Indiana
Michigan
Ohio

Date	5-29-13
Drawn By	JAB
Scale	1" = 2000'
Project	067138.00

PROPERTY LOCATION MAP
FRANKLIN STREET DEPT. UST CLOSURE
951 HAMILTON AVENUE
FRANKLIN, INDIANA

Figure No. 1

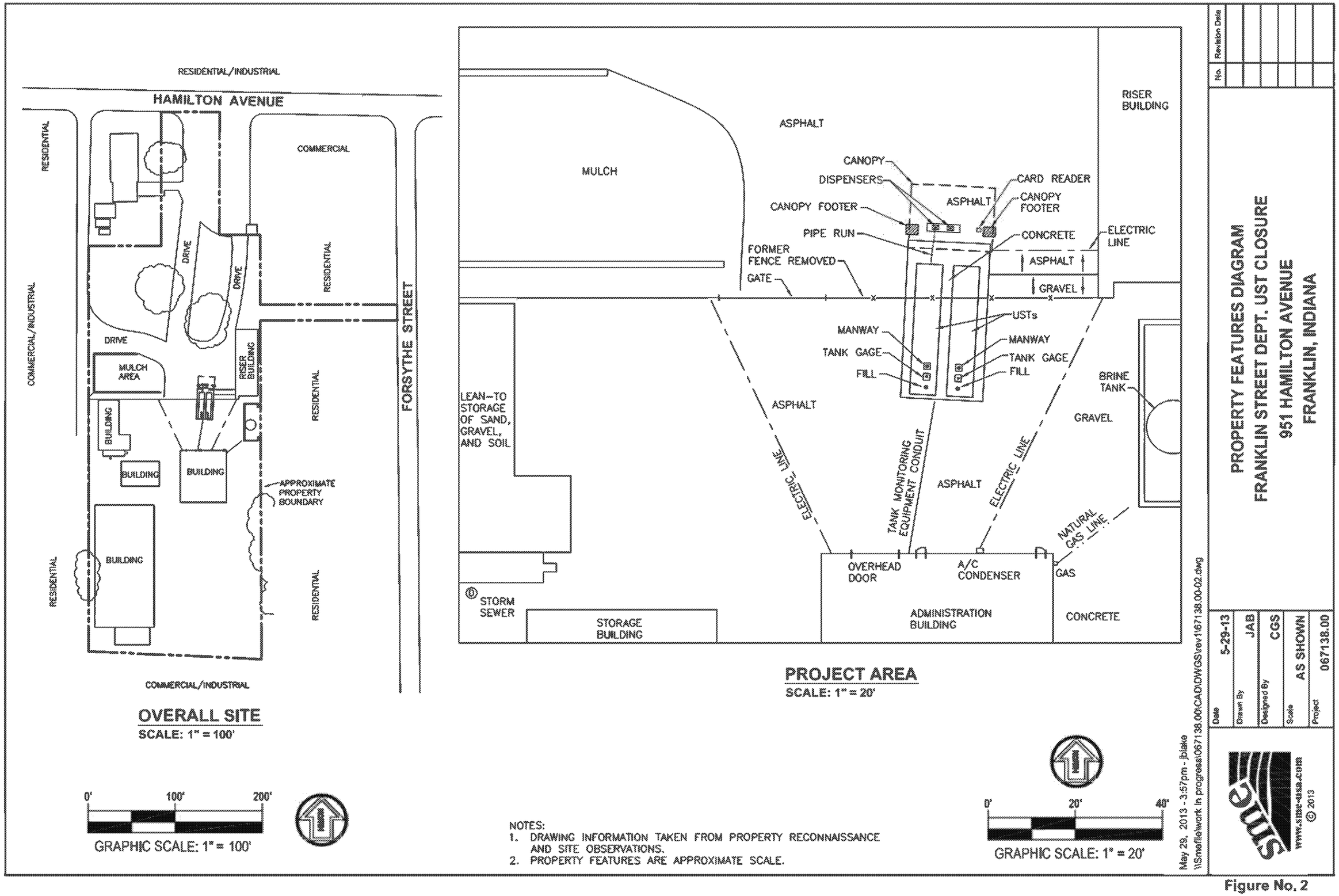
RESIDENTIAL/INDUSTRIAL
HAMILTON AVENUE
RESIDENTIAL
COMMERCIAL
COMMERCIAL/INDUSTRIAL
DRIVE
DRIVE
DRIVE
RESIDENTIAL
RISER BUILDING
MULCH AREA
BUILDING
BUILDING
BUILDING
BUILDING
RESIDENTIAL
RESIDENTIAL
RESIDENTIAL
FORSYTHE STREET
APPROXIMATE PROPERTY BOUNDARY
COMMERCIAL/INDUSTRIAL
OVERALL SITE
SCALE: 1" = 100'
0'
100'
200'
GRAPHIC SCALE: 1" = 100'
MULCH
ASPHALT
RISER BUILDING
CANOPY
DISPENSERS
CARD READER
CANOPY FOOTER
ASPHALT
CANOPY FOOTER
PIPE RUN
CONCRETE
ELECTRIC LINE
FORMER FENCE REMOVED
ASPHALT
GATE
GRAVEL
USTs
MANWAY
MANWAY
TANK GAGE
TANK GAGE
FILL
FILL
BRINE TANK
LEAN-TO STORAGE OF SAND, GRAVEL, AND SOIL
ASPHALT
GRAVEL
ELECTRIC LINE
TANK MONITORING EQUIPMENT CONDUIT
ASPHALT
ELECTRIC LINE
NATURAL GAS LINE
OVERHEAD DOOR
A/C CONDENSER
GAS
STORM SEWER
STORAGE BUILDING
ADMINISTRATION BUILDING
CONCRETE
PROJECT AREA
SCALE: 1" = 20'
0'
20'
40'
GRAPHIC SCALE: 1" = 20'
NOTES:
1. DRAWING INFORMATION TAKEN FROM PROPERTY RECONNAISSANCE AND SITE OBSERVATIONS.
2. PROPERTY FEATURES ARE APPROXIMATE SCALE.
May 29, 2013 - 3:57pm - jblake
\\Smefile\work in progress\067138.00\CAD\DWGS\rev1\67138.00-02.dwg
No.
Revision Date
PROPERTY FEATURES DIAGRAM
FRANKLIN STREET DEPT. UST CLOSURE
951 HAMILTON AVENUE
FRANKLIN, INDIANA
Date 5-29-13
Drawn By JAB
Designed By CGS
Scale AS SHOWN
Project 067138.00
www.sme-usa.com
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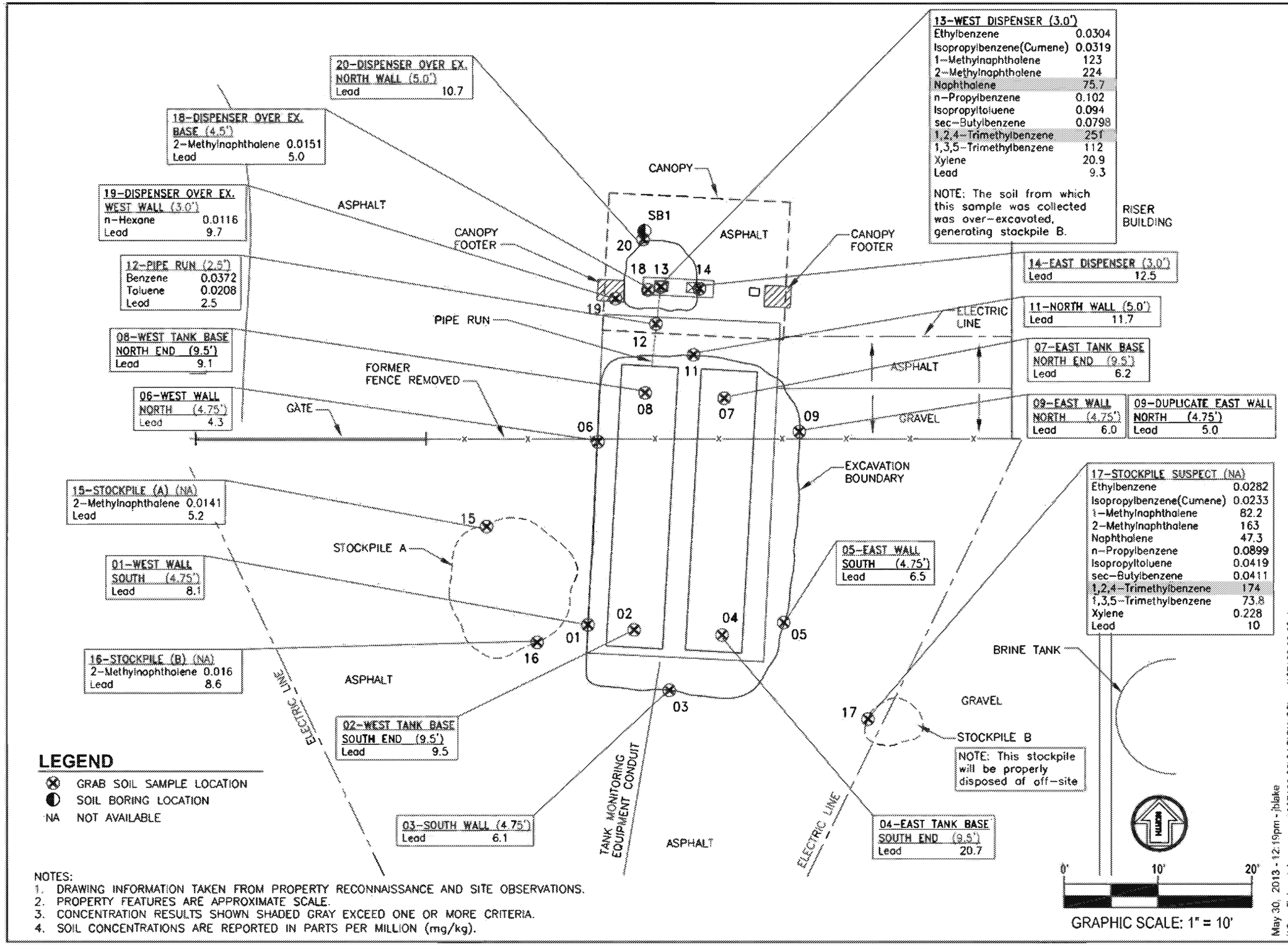
Figure No. 2



NOTES:
1. DRAWING INFORMATION TAKEN FROM PROPERTY RECONNAISSANCE AND SITE OBSERVATIONS.
2. PROPERTY FEATURES ARE APPROXIMATE SCALE.
3. CONCENTRATION RESULTS SHOWN SHADED GRAY EXCEED ONE OR MORE CRITERIA.
4. SOIL CONCENTRATIONS ARE REPORTED IN PARTS PER MILLION (mg/kg).

May 30, 2013 - 12:19pm - jblake
\\Smefile\work in progress\067138.00\CAD\DWGS\rev1\67138.00-03.dwg

No.	Revision Date

SOIL ANALYTICAL RESULTS DIAGRAM
FRANKLIN STREET DEPT. UST CLOSURE
951 HAMILTON AVENUE
FRANKLIN, INDIANA

Date	5-30-13
Drawn By	JAB
Designed By	CGS
Scale	1" = 10'
Project	067138.00

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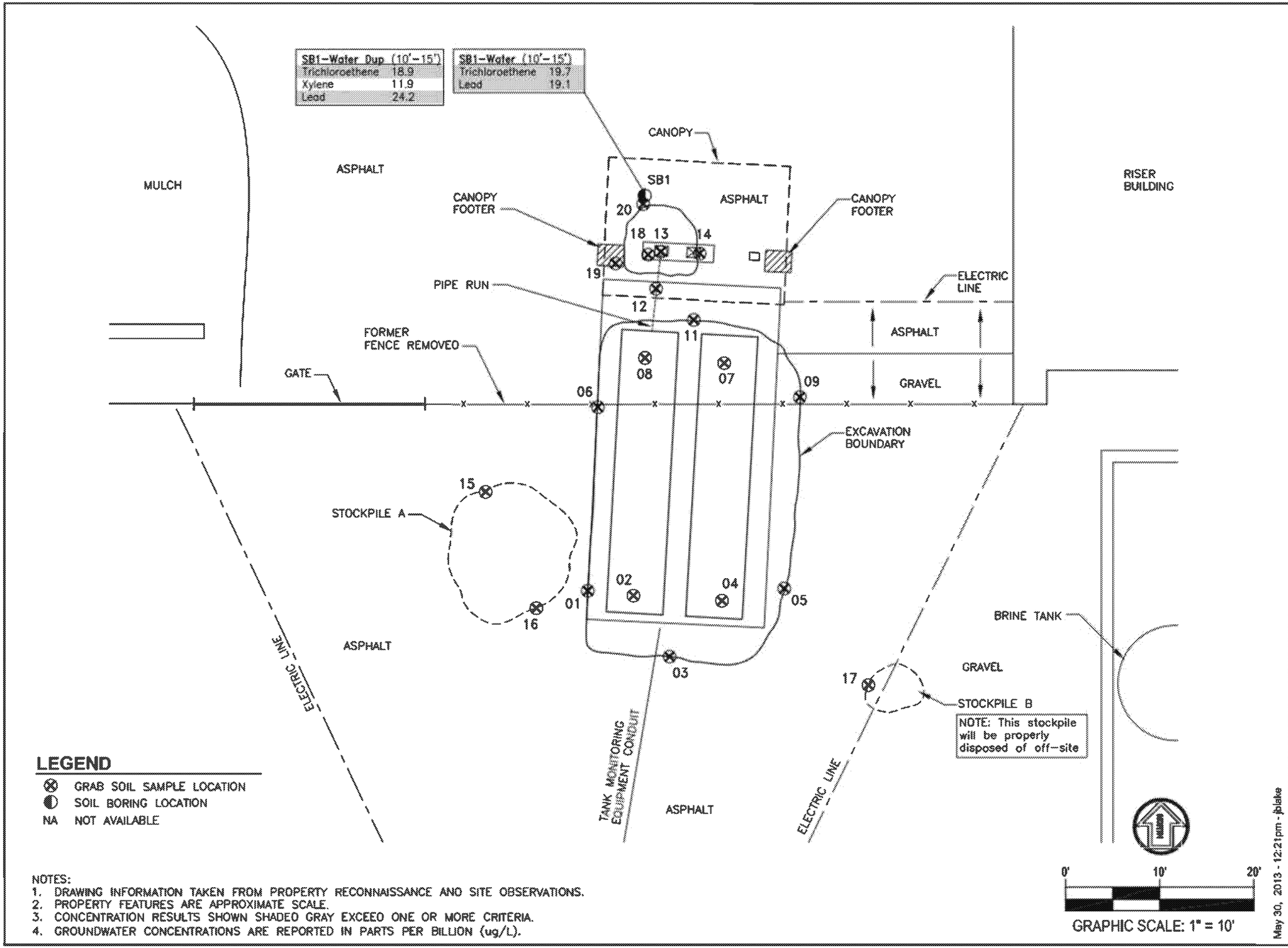
Figure No. 3



LEGEND

- ⊗ GRAB SOIL SAMPLE LOCATION
- ◐ SOIL BORING LOCATION
- NA NOT AVAILABLE

NOTES:
1. DRAWING INFORMATION TAKEN FROM PROPERTY RECONNAISSANCE AND SITE OBSERVATIONS.
2. PROPERTY FEATURES ARE APPROXIMATE SCALE.
3. CONCENTRATION RESULTS SHOWN SHADED GRAY EXCEED ONE OR MORE CRITERIA.
4. GROUNDWATER CONCENTRATIONS ARE REPORTED IN PARTS PER BILLION (ug/L).

May 30, 2013 - 12:21pm - jblake
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No.	Revision Date

GROUNDWATER ANALYTICAL RESULTS DIAGRAM
FRANKLIN STREET DEPT. UST CLOSURE
951 HAMILTON AVENUE
FRANKLIN, INDIANA

Date	5-30-13
Drawn By	JAB
Designed By	CGS
Scale	1" = 10'
Project	067138.00

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Figure No. 4

APPENDIX A

NOTIFICATION FOR UNDERGROUND STORAGE TANKS FORM

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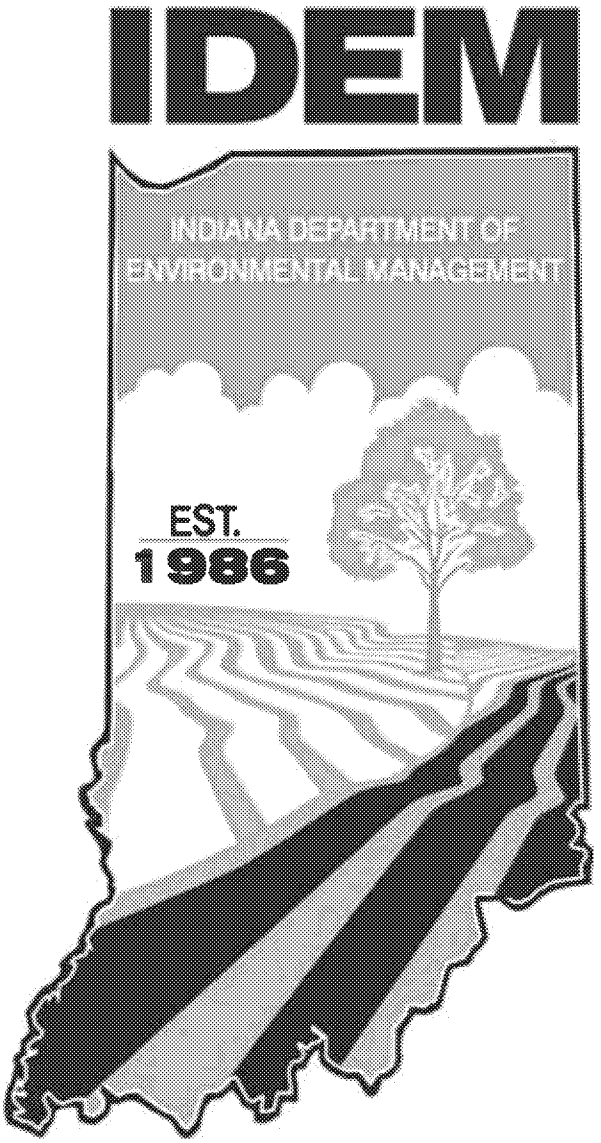
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
UNDERGROUND STORAGE TANKS SECTION

STATE FORM 45223 (R4 / 9-10)
NOTIFICATION FOR UNDERGROUND STORAGE TANKS
INSTRUCTIONS AND FORM



Indiana Department of Environmental Management
Office of Land Quality, UST Program
100 N. Senate Ave.
Indianapolis, IN 46204-2251

ALL NOTIFICATION FORMS SENT TO IDEM MUST HAVE AN ORIGINAL SIGNATURE, SIGNED IN INK.

NO PHOTOCOPIES WILL BE ACCEPTED

STATE FORM 45223 (R4 / 9-10)

INSTRUCTIONS FOR THE NOTIFICATION FOR UNDERGROUND STORAGE TANKS

This instruction page will provide you with general information on how to complete the Notification for Underground Storage Tanks form. Each section is referenced with a letter corresponding to the letter of the instructions in the left column of this page.

Headers

If you know the Facility, Owner, Federal or EPA Identification numbers, please write these in the spaces provided in the header of the first page. At the top of each following page, indicate the Facility Name and Facility Identification number to ensure that separated pages will be properly filed with their respective facility.

A. General Information

Type of Notification - Indicate the purpose of this notification by filling in the circle next to the desired type.

B. Ownership of Tanks

Owner of Tanks - All Notifications must contain ownership information. Indicate the name, mailing address, city, state, ZIP code, and telephone number of the owner of the tanks at the facility.

C. Location of Tanks

Tank/Facility Location - Must contain a facility name. If the facility location is different than the mailing address, indicate this location in the space provided.

Type of Owner - Check the type of owner that applies to the facility and give the effective date of ownership.

Type of Operation - Check the type of operation that applies to the facility and provide the GIS coordinates of the facility. The GIS coordinates may be obtained from the Indiana DNR, your county surveyor's office or the U.S. Geological Survey. The GIS data are optional.

D. Certification and Contacts (All signatures must be in ink)

Consultant/Contractor compliance certification - to be completed by the consultant/contractor who performed the installation/closure or upgrade being reported on this notification. This section DOES NOT need to be completed for a request for closure or change of ownership notification.

Contact at Tank Location - A contact's name, title, and telephone number at the tank location is indicated here.

Owner Certification - MUST be completed by the owner or authorized representative (letter signed by owner authorizing signatory authority must accompany each notification signed by the authorized representative).

Number of Tanks at this Location - Total number of tanks currently in use or temporarily out of use (or have undergone a change-in-service). Do not list those tanks that are permanently out of use.

Number of pages attached to this notification - total number of pages attached (i.e., pages 2 & 3 may need to be copied when there are more than six tanks for which there is information provided in this notification).

E. General

Each column of the Tank Information pages is dedicated to ONE TANK ONLY. Assign a number to each tank by using the appropriate column, beginning with one (1) and proceeding as needed for the number of tanks at the facility. Attach additional sheets as needed. Owner-specified Tank Number blanks are provided to aid you in coordinating this Notification with your own tank numbering system. Indicate the tank installation dates and capacities in the provided spaces. **If an underground storage tank consists of a combination of tanks (compartment tank), each compartment shall be identified as an individual tank (IC 13-23-12-1).**

F. Tank Status

Select ONLY ONE of the three boxes (1, 2 or 3) in this section for each tank. Indicate the appropriate date for the indicated tank status. If requesting closure, indicate the type of closure being requested in box (4) (removal, in-place, or change-in-service). If requesting Change-in-Service, mark the type of change in box (5).

G. Contents

Select ONLY ONE of the three boxes (1, 2, or 3) in this section. If the tank is currently empty, indicate the last substance to be stored in that tank. For a tank containing Hazardous Substances, indicate the common name of the substance and the correct identification number as appropriate. If a tank contains a petroleum and a hazardous substance, indicate both substances separately. If a tank contains a mixture of hazardous substances fill in the circle.

H. & I. Construction/protection and Piping

For all tank systems, fill in all circles that apply to that tank system.

J.K.&L Release Detection, Cathodic Protection and spill/Overflow Control

Fill in all circles that apply in each of these sections for each tank. If a tank or tanks have specific leak detection/protection information that is not contained on this form, indicate the tank number(s) and the method(s) in the "Another Method" sections.

M. Contractor Information

Fill in all circles that apply to the contractor who has done the current tank work for which the notification form is being submitted (installation, closure, or upgrade). If the form is being submitted for a reason other than these tank activities, tank contractor compliance information does not have to be provided and this part of this section may be left uncompleted.

N. Certification of Financial Responsibility

Indicate the method of Financial Responsibility that is used to meet the deductible requirement for Excess Liability Fund eligibility. Fill in the circle(s) that apply for each method(s) being used to provide this coverage.

O. Closure Request

Proposed Contractor - Submit the tank contractor information in the spaces provided. The contractor certification number must be provided to insure that the closure will be performed by a tank contractor certified by the Office of the State Fire Marshal. **LUST Incident Information** - If the tank(s) to be permanently closed are the source of a release or contamination, a Leaking Underground Storage Tank incident number must be obtained (call the IDEM LUST Section @ (317) 232-8900) and submitted in the space provided.

(CONTINUED ON REVERSE)

STATE FORM 45223 (R4 / 9-10)

UST System Closure Report

Within 30 days of the closure of any UST System, the owner is required to submit an UST System Closure Report to the UST Section of the Indiana Department of Environmental Management. This UST System Closure Report must conform to the Closure Requirements under 329 IAC 9-6.

Closure reports are also required for the closure of any piping related to an UST System. By definition, piping is part of an UST System and an assessment of native soils under the piping must be made when it is removed, replaced, or closed in place. While this office does require prior approval when replacing piping, an assessment is still required. An item by item description of information required for closure reports can be found in the Closure Requirements under 329 IAC 9-6-2.5(a)(5).

Once the UST System Closure Report is received by the UST Section of the Indiana Department of Environmental Management, it is to be reviewed within 6 months. Once the report is reviewed, a checklist will be generated and sent to the owner of the closed UST(s). If none of the boxes on the checklist are marked 'INADEQUATE', the UST closure is completed and no further tank closure work is required.

COMPLETION OF TANK CLOSURE REQUIREMENTS IS A COMPLETELY SEPARATE ACT FROM CLEAN UP OF CONTAMINATION FROM A LEAKING TANK OR ASSOCIATED PIPING. IT IS POSSIBLE TO OBTAIN CLOSURE OF THE TANK AND STILL HAVE RESPONSIBILITY FOR CLEANING UP ANY SOIL OR GROUNDWATER CONTAMINATION THAT HAS OCCURRED AS A RESULT OF A RELEASE FROM THE UNDERGROUND STORAGE TANK SYSTEM.

NOTIFICATION FOR UNDERGROUND STORAGE TANKS

State Form 45223 (R4 / 9-10)

RETURN COMPLETED FORMS TO:

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF LAND QUALITY, UST SECTION
100 N. Senate Ave.
Indianapolis, IN 46204-2251

UST: (317) 234-6923 LUST: (317) 232-8900

Facility ID Number	2	0	1	5	5	
Federal ID Number						
Owner ID Number	1	3	5	4	0	

A GENERAL INFORMATION

Notification is required by Federal and State laws for all storage tanks that are operational or have been used to store regulated substances since January 1, 1974. The information requested is required by Indiana Administrative Code 329 IAC 9, as amended. Specific detailed instructions for the completion of this form may be obtained by contacting the UST Section at the above address.

TYPE OF NOTIFICATION

This notification form provides information for *(check all that apply)*:

☐	A New Facility	☐	An Address Change	☐	A Temporary Closure
☐	A New Owner	☐	A Change of Ownership	☐	A Request for Closure
☐	A New Tank	☐	Other	☒	A Permanent Closure With Closure Report
☐	A System Upgrade				

B OWNER OF TANKS

OWNER OF TANKS

Name of owner: City of Franklin, Indiana

Mailing address *(number and street)*: 70 E. Monroe St., P.O. Box 280

City: Franklin | State: IN

ZIP code: 4 6 1 3 1 – | Telephone number: (317) 736 – 3602

OPERATOR OF FACILITY

Name of operator *(if same as owner, mark box here ☒)*:

Mailing address *(number and street)*:

City: | State:

ZIP code: – | Telephone number: ( ) –

C TANK/FACILITY LOCATION

Name of facility *(if same as owner, mark box here ☐)*: City of Franklin Street Department

Mailing address *(if same as owner, mark box here ☒)*:

Location of tanks: 951 Hamilton Avenue

City: Franklin | State: IN

ZIP code: 4 6 1 3 1 – | County: Johnson

TYPE OF FACILITY/OWNER

Type of Owner *(Please Check One)* / Type of Operation *(Please Check One)*

☐	Private/Business	☐	Motor Vehicle Fuel Dispensing Station
☐	State Government		
☒	Local Government	☐	Commercial
☐	Federal Government	☐	Residential
☐	GSA Facility (ID# _____)	☐	Industrial
☐	Other	☐	Agriculture
	Effective date of ownership / /	☐	Other UTM Coordinates

D CONSULTANT/CONTRACTOR COMPLIANCE CERTIFICATION

CERTIFICATION

OATH: I certify that the information concerning installation, upgrade, or closure provided in this notification is true and correct to the best of my knowledge.

Name of contractor / consultant: Christopher Chase, CHMM

Name of company: Soil and Materials Engineers, Inc.

Signature *(in ink - no photocopies will be accepted)*:

Certification number: UC1999564999

Date *(month, day, year)*: 5/30/2013

CONTACT AT TANK LOCATION

Name of contact person at tank location: Ron Collins

Job title: Street Commissioner

Telephone number: (317) 736 – 3660

Number of tanks at this location: 2

Number of pages attached to this notification: 2

OWNER CERTIFICATION

OATH: I certify that under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

Name and title of owner or authorized representative: Ron Collins, Street Commissioner

Signature of owner *(in ink - no photocopies will be accepted)*:

Date *(month, day, year)*: 5 / 30 / 2013

STATE USE ONLY

STATE FORM 45223 (R4 / 9-10)

DESCRIPTION OF UNDERGROUND STORAGE TANK SYSTEM

Complete a column for each tank. Attach additional sheets when number of tanks exceeds six.

GENERAL	Sequential Tank Number	1	2				
	Owner-specified Tank Number	1	2				
	Date Installed *(month, day, year)*	1/1/1988	1/1/1988	/ /	/ /	/ /	/ /
	Capacity (gallons)	6,000	6,000				
TANK STATUS	*Complete only one of 1, 2 or 3.* 1. Currently in use	☐	☐	☐	☐	☐	☐
	Date brought into use *(month, day, year)*	/ /	/ /	/ /	/ /	/ /	/ /
	2. Temporarily out of use	☐	☐	☐	☐	☐	☐
	Date last used *(month, day, year)*	/ /	/ /	/ /	/ /	/ /	/ /
	3. Permanently out of use	X	X				
	Date removed from ground *(month, day, year)*	4/16/2013	4/16/2013	/ /	/ /	/ /	/ /
	Date filled in-place *(month, day, year)*	/ /	/ /	/ /	/ /	/ /	/ /
	1, 2 or 3 Must be completed if sections 4 or 5 are selected. ***Section 4 B requires pre-notification*** 4. Requesting closure						
	A. To be removed	☐	☐	☐	☐	☐	☐
	B. To be filled in place	☐	☐	☐	☐	☐	☐
	5. Change-in-service						
	Regulated to unregulated	☐	☐	☐	☐	☐	☐
	Unregulated to regulated	☐	☐	☐	☐	☐	☐
CONTENTS	Substance currently or last stored *(Complete only one of 1, 2 or 3)* 1. Petroleum						
	Diesel	☐	☐	☐	☐	☐	☐
	Kerosene	☐	☐	☐	☐	☐	☐
	Gasoline	☒	☒	☐	☐	☐	☐
	Used oil	☐	☐	☐	☐	☐	☐
	Other *(specify)*						
	2. Hazardous substance	☐	☐	☐	☐	☐	☐
	CERCLA Substance or Chemical Abstract Service Number						
	Mixture of Substances	☐	☐	☐	☐	☐	☐
	3. Unknown	☐	☐	☐	☐	☐	☐
CONSTRUCTION/PROTECTION	Tank Construction						
	Steel	☒	☒	☐	☐	☐	☐
	Clad (act 100	☐	☐	☐	☐	☐	☐
	Fiberglass/Plastic	☐	☐	☐	☐	☐	☐
	Interstitial-double walled	☐	☐	☐	☐	☐	☐
	Other *(specify)*						
	Tank Corrosion Protection						
	Interior lining	☒	☒	☐	☐	☐	☐
	Date *(month, day, year)*	1/26/2006	1/26/2006	/ /	/ /	/ /	/ /
	Fiberglass/Plastic	☐	☐	☐	☐	☐	☐
	Impressed Current (Rectifiers)	☐	☐	☐	☐	☐	☐
	Last Anode Test *(month, day, year)*	/ /	/ /	/ /	/ /	/ /	/ /
	Sacrificial Anodes on Tank (Galvanic)	☐	☐	☐	☐	☐	☐
	Last Anode Test *(month, day, year)*	/ /	/ /	/ /	/ /	/ /	/ /
	Other *(specify)*						
PIPING	Piping Corrosion Protection						
	Fiberglass Reinforced Plastic	☒	☒	☐	☐	☐	☐
	Impressed Current (Rectifier)	☐	☐	☐	☐	☐	☐
	Last Anode Test *(month, day, year)*	/ /	/ /	/ /	/ /	/ /	/ /
	Sacrificial Anodes (Galvanic)	☐	☐	☐	☐	☐	☐
	Last Anode Test *(month, day, year)*	/ /	/ /	/ /	/ /	/ /	/ /
	Other *(specify)*						

STATE FORM 45223 (R4 / 9-10)

Name of Facility Franklin Street Department FACILITY ID. 20155 PAGE 3 OF 3

DESCRIPTION OF UNDERGROUND STORAGE TANK SYSTEMS *(Continued)*

Complete a column for each tank. Attach additional sheets when the number of tanks exceeds six.

	Sequential Tank Number	1	2				
J RELEASE DETECTION	Tank (Only for use with tanks 2000 gallons or smaller) Manual Tank Gauging	☐	☐	☐	☐	☐	☐
	(Can only be used for 10 yrs) Tank Tightness Testing With Daily Inventory Controls	☐	☐	☐	☐	☐	☐
	(ATG must perform monthly leak test) Automatic Tank Gauging	☒	☒	☐	☐	☐	☐
	(Site Assessment required for use) Vapor Monitoring	☐	☐	☐	☐	☐	☐
	(Site Assessment required for use) Ground Water Monitoring	☐	☐	☐	☐	☐	☐
	Interstitial Monitoring Within a Secondary Barrier	☐	☐	☐	☐	☐	☐
	Interstitial Monitoring Within Secondary Containment	☐	☐	☐	☐	☐	☐
	Statistical Inventory Reconciliation (SIR)	☐	☐	☐	☐	☐	☐
	Another Method *(Please specify below)*	☐	☐	☐	☐	☐	☐
K Piping — Suction	(Check valve at pump) European Suction	☒	☒	☐	☐	☐	☐
	(Check valve at tank) American Suction	☐	☐	☐	☐	☐	☐
Pressurized	(Required for pressurized piping only) Automatic Line Leak Detectors	☐	☐	☐	☐	☐	☐
Must check one	**Flow Restrictor**	☐	☐	☐	☐	☐	☐
	Flow Shut Off	☒	☒	☐	☐	☐	☐
	Alarm	☒	☒	☐	☐	☐	☐
Must check one	**SIR**	☐	☐	☐	☐	☐	☐
	ATG	☒	☒	☐	☐	☐	☐
	Interstitial - Double Walled	☐	☐	☐	☐	☐	☐
	Line Tightness Testing (Required if tank leak detection does not cover piping)	☐	☐	☐	☐	☐	☐
L SPILL	(Required for most tanks) Catchment Basins	☒	☒	☐	☐	☐	☐
	(Valve attached to fill pipe) Automatic Shutoff Devices	☒	☒	☐	☐	☐	☐
	(MUST be audible to fuel delivery personnel) Overfill Alarms	☐	☐	☐	☐	☐	☐
	(Not recommended for use with suction piping) Ball Float Valves	☐	☐	☐	☐	☐	☐
	Another Method *(Please specify below)*	☐	☐	☐	☐	☐	☐
M CONTRACTOR — Indicate compliance specific to this installation upgrade, or closure	Installer is certified by the tank and piping manufacturer.	☐	☐	☐	☐	☐	☐
	Contractor is certified by the Office of the State Fire Marshal.	☒	☒	☐	☐	☐	☐
	Work inspected/certified by a registered professional engineer.	☐	☐	☐	☐	☐	☐
	Work inspected by the Office of the State Fire Marshal.	☐	☐	☐	☐	☐	☐
	All work has been completed.	☒	☒	☐	☐	☐	☐
	Another method of compliance was used *(specify below)*	☐	☐	☐	☐	☐	☐

CERTIFICATION OF FINANCIAL RESPONSIBILITY

N FINANCIAL — I have financial responsibility in accordance with Subtitle I Subpart H (Specify below).

- ☐ Self-Insurance
- ☐ Trust Agreement
- ☐ Guarantee
- ☐ Surety Bond
- ☐ Letter of Credit
- ☐ Local Government - Bond Rating Test
- ☐ Local Government - Financial Test
- ☐ Local Government - Guarantee
- ☒ Local Government - Fund
- ☐ Local Government - Bond Rating Test
- ☐ Insurance & Risk Retention Group Coverage

30 - DAY REQUEST FOR TANK CLOSURE

O CLOSURE REQUEST — **To request a tank closure, mark the Request for Closure oval in Type of Notification in Section A, complete sections B, C, D, E, and mark D. REQUESTING CLOSURE in section F. Complete the remaining sections (G-N) and fill in the requested information below.**

Proposed Contractor

Name of Contractor

Mailing address

City | State

ZIP code | Telephone Number ( ) -

Contact person | Certification number

LUST Incident Information

LUST Incident number *(if applicable)*: 201304505

Date incident reported *(month, day, year)*: *4/16/2013*

*NOTE: Any tank closures must be performed by persons certified by the Indiana State Fire Marshal. City/County Fire Departments, the Indiana State Fire Marshal, and IDEM's UST Section must be notified 14 days prior to closure. Please report to the Leaking Underground Storage Tank Section at (317) 232-8900 if signs of soil or groundwater contamination are observed.

Indiana State Fire Marshal (317) 232-2222.

APPENDIX B

LABORATORY CERTIFICATES OF ANALYSIS AND CHAIN-OF-CUSTODY FORMS

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1233 Dublin Road
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7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

May 29, 2013

Mr. Chris Shaw
SME, Inc.
5847 W 74th Street
Indianapolis, IN 46278

RE: Project: Franklin Street Dept/067138.00
Pace Project No.: 5079069_rev. Sample 5079069020 corrected to a depth of 3', not 5'.

Dear Mr. Shaw:
Enclosed are the analytical results for sample(s) received by the laboratory on April 17, 2013. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lyle Cable for
Kenneth Hunt
kenneth.hunt@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: Franklin Street Dept/067138.00
Pace Project No.: 5079069

Indiana Certification IDs
7726 Moller Road, Indianapolis, IN 46268
Illinois Certification #: 200074
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky Certification #: 0042
Louisiana/NELAC Certification #: 04076
Ohio VAP Certification #: 101170-0
Pennsylvania Certification #: 68-04991
West Virginia Certification #: 330

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Indianapolis, IN 46268
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SAMPLE SUMMARY

Project: Franklin Street Dept/067138.00
Pace Project No.: 5079069

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5079069001	01-West Wall South @4.75'	Solid	04/16/13 14:25	04/17/13 17:30
5079069002	02-West tank base end @9.5'	Solid	04/16/13 14:35	04/17/13 17:30
5079069003	03-South Wall @4.75'	Solid	04/16/13 14:50	04/17/13 17:30
5079069004	04-East tank base-S end @9.5'	Solid	04/16/13 15:05	04/17/13 17:30
5079069005	05-East Wall South @4.75'	Solid	04/16/13 15:15	04/17/13 17:30
5079069006	06-West Wall North @4.75'	Solid	04/16/13 15:45	04/17/13 17:30
5079069007	07-East tank base-N end @9.5'	Solid	04/16/13 16:05	04/17/13 17:30
5079069008	08-West tank base- N end @9.5'	Solid	04/16/13 16:15	04/17/13 17:30
5079069009	09-East Wall N and @4.75'	Solid	04/16/13 16:30	04/17/13 17:30
5079069010	09-Duplicate-EWall N and @4.75	Solid	04/16/13 16:30	04/17/13 17:30
5079069011	11-North Wall @5'	Solid	04/17/13 09:25	04/17/13 17:30
5079069012	12-Pipe run @2.5'	Solid	04/17/13 10:30	04/17/13 17:30
5079069013	13-West Dispenser @3.0'	Solid	04/17/13 11:50	04/17/13 17:30
5079069014	14-East Dispenser @3.0'	Solid	04/17/13 12:25	04/17/13 17:30
5079069015	15-Stockpile (A)	Solid	04/17/13 12:05	04/17/13 17:30
5079069016	16-Stockpile (B)	Solid	04/17/13 12:10	04/17/13 17:30
5079069017	17-Stockpile-suspect	Solid	04/17/13 12:40	04/17/13 17:30
5079069018	18-Dispenser over Excav @4.5'	Solid	04/17/13 14:35	04/17/13 17:30
5079069019	19-Dispenser over Excav WW@3'	Solid	04/17/13 14:50	04/17/13 17:30
5079069020	20-Dispenser over Excav NW @3'	Solid	04/17/13 15:05	04/17/13 17:30
5079069021	21-Trip Blank	Water	04/16/13 08:00	04/17/13 17:30

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SAMPLE ANALYTE COUNT

Project: Franklin Street Dept/067138.00
Pace Project No.: 5079069

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
5079069001	01-West Wall South @4.75'	EPA 6010	FRW	1	PASI-I
		EPA 8260	JLZ	75	PASI-I
		ASTM D2974-87	SLB	1	PASI-I
5079069002	02-West tank base end @9.5'	EPA 6010	FRW	1	PASI-I
		EPA 8260	JLZ	75	PASI-I
		ASTM D2974-87	SLB	1	PASI-I
5079069003	03-South Wall @4.75'	EPA 6010	FRW	1	PASI-I
		EPA 8260	JLZ	75	PASI-I
		ASTM D2974-87	SLB	1	PASI-I
5079069004	04-East tank base-S end @9.5'	EPA 6010	FRW	1	PASI-I
		EPA 8260	GRM	75	PASI-I
		ASTM D2974-87	SLB	1	PASI-I
5079069005	05-East Wall South @4.75'	EPA 6010	FRW	1	PASI-I
		EPA 8260	GRM	75	PASI-I
		ASTM D2974-87	SLB	1	PASI-I
5079069006	06-West Wall North @4.75'	EPA 6010	FRW	1	PASI-I
		EPA 8260	GRM	75	PASI-I
		ASTM D2974-87	SLB	1	PASI-I
5079069007	07-East tank base-N end @9.5'	EPA 6010	FRW	1	PASI-I
		EPA 8260	GRM	75	PASI-I
		ASTM D2974-87	SLB	1	PASI-I
5079069008	08-West tank base- N end @9.5'	EPA 6010	FRW	1	PASI-I
		EPA 8260	GRM	75	PASI-I
		ASTM D2974-87	SLB	1	PASI-I
5079069009	09-East Wall N end @4.75'	EPA 6010	FRW	1	PASI-I
		EPA 8260	GRM	75	PASI-I
		ASTM D2974-87	SLB	1	PASI-I
5079069010	09-Duplicate-EWall N end @4.75	EPA 6010	FRW	1	PASI-I
		EPA 8260	GRM	75	PASI-I
		ASTM D2974-87	SLB	1	PASI-I
5079069011	11-North Wall @5'	EPA 6010	FRW	1	PASI-I
		EPA 8260	GRM	75	PASI-I
		ASTM D2974-87	SLB	1	PASI-I
5079069012	12-Pipe run @2.5'	EPA 6010	FRW	1	PASI-I
		EPA 8260	GRM	75	PASI-I
		ASTM D2974-87	SLB	1	PASI-I
5079069013	13-West Dispenser @3.0'	EPA 6010	FRW	1	PASI-I

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SAMPLE ANALYTE COUNT

Project: Franklin Street Dept/067138.00
Pace Project No.: 5079069

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8260	GRM	75	PASI-I
		ASTM D2974-87	SLB	1	PASI-I
5079069014	14-East Dispenser @3.0'	EPA 6010	FRW	1	PASI-I
		EPA 8260	GRM	75	PASI-I
		ASTM D2974-87	SLB	1	PASI-I
5079069015	15-Stockpile (A)	EPA 6010	FRW	1	PASI-I
		EPA 8260	GRM	75	PASI-I
		ASTM D2974-87	SLB	1	PASI-I
5079069016	16-Stockpile (B)	EPA 6010	FRW	1	PASI-I
		EPA 8260	GRM	75	PASI-I
		ASTM D2974-87	SLB	1	PASI-I
5079069017	17-Stockpile-suspect	EPA 6010	FRW	1	PASI-I
		EPA 8260	GRM	75	PASI-I
		ASTM D2974-87	SLB	1	PASI-I
5079069018	18-Dispenser over Excav @4.5'	EPA 6010	FRW	1	PASI-I
		EPA 8260	GRM	75	PASI-I
		ASTM D2974-87	SLB	1	PASI-I
5079069019	19-Dispenser over Excav WW@3'	EPA 6010	FRW	1	PASI-I
		EPA 8260	GRM	75	PASI-I
		ASTM D2974-87	SLB	1	PASI-I
5079069020	20-Dispenser over Excav NW @3'	EPA 6010	FRW	1	PASI-I
		EPA 8260	GRM	75	PASI-I
		ASTM D2974-87	SLB	1	PASI-I
5079069021	21-Trip Blank	EPA 8260	GRM	75	PASI-I

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ANALYTICAL RESULTS

Project: Franklin Street Dept/067138.00
Pace Project No.: 5079069

Sample: 01-West Wall South @4.75' Lab ID: 5079069001 Collected: 04/16/13 14:25 Received: 04/17/13 17:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	8.1	mg/kg	1.9	1	04/19/13 12:42	04/22/13 09:05	7439-92-1	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	116	1		04/24/13 16:51	67-64-1	
Acrolein	ND	ug/kg	116	1		04/24/13 16:51	107-02-8	
Acrylonitrile	ND	ug/kg	116	1		04/24/13 16:51	107-13-1	
Benzene	ND	ug/kg	5.8	1		04/24/13 16:51	71-43-2	
Bromobenzene	ND	ug/kg	5.8	1		04/24/13 16:51	108-86-1	
Bromochloromethane	ND	ug/kg	5.8	1		04/24/13 16:51	74-97-5	
Bromodichloromethane	ND	ug/kg	5.8	1		04/24/13 16:51	75-27-4	
Bromoform	ND	ug/kg	5.8	1		04/24/13 16:51	75-25-2	
Bromomethane	ND	ug/kg	5.8	1		04/24/13 16:51	74-83-9	
2-Butanone (MEK)	ND	ug/kg	29.0	1		04/24/13 16:51	78-93-3	
n-Butylbenzene	ND	ug/kg	5.8	1		04/24/13 16:51	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.8	1		04/24/13 16:51	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.8	1		04/24/13 16:51	98-06-6	
Carbon disulfide	ND	ug/kg	11.6	1		04/24/13 16:51	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.8	1		04/24/13 16:51	56-23-5	
Chlorobenzene	ND	ug/kg	5.8	1		04/24/13 16:51	108-90-7	
Chloroethane	ND	ug/kg	5.8	1		04/24/13 16:51	75-00-3	
Chloroform	ND	ug/kg	5.8	1		04/24/13 16:51	67-66-3	
Chloromethane	ND	ug/kg	5.8	1		04/24/13 16:51	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.8	1		04/24/13 16:51	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.8	1		04/24/13 16:51	106-43-4	
Dibromochloromethane	ND	ug/kg	5.8	1		04/24/13 16:51	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.8	1		04/24/13 16:51	106-93-4	
Dibromomethane	ND	ug/kg	5.8	1		04/24/13 16:51	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.8	1		04/24/13 16:51	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.8	1		04/24/13 16:51	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.8	1		04/24/13 16:51	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	116	1		04/24/13 16:51	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	5.8	1		04/24/13 16:51	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.8	1		04/24/13 16:51	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.8	1		04/24/13 16:51	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.8	1		04/24/13 16:51	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.8	1		04/24/13 16:51	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.8	1		04/24/13 16:51	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.8	1		04/24/13 16:51	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.8	1		04/24/13 16:51	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.8	1		04/24/13 16:51	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.8	1		04/24/13 16:51	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.8	1		04/24/13 16:51	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.8	1		04/24/13 16:51	10061-02-6	
Ethylbenzene	ND	ug/kg	5.8	1		04/24/13 16:51	100-41-4	
Ethyl methacrylate	ND	ug/kg	116	1		04/24/13 16:51	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	5.8	1		04/24/13 16:51	87-68-3	

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ANALYTICAL RESULTS

Project: Franklin Street Dept/067138.00
Pace Project No.: 5079069

Sample: 01-West Wall South @4.75' Lab ID: 5079069001 Collected: 04/16/13 14:25 Received: 04/17/13 17:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
n-Hexane	ND	ug/kg	5.8	1		04/24/13 16:51	110-54-3	N2
2-Hexanone	ND	ug/kg	116	1		04/24/13 16:51	591-78-6	
Iodomethane	ND	ug/kg	116	1		04/24/13 16:51	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	5.8	1		04/24/13 16:51	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.8	1		04/24/13 16:51	99-87-6	
Methylene Chloride	ND	ug/kg	23.2	1		04/24/13 16:51	75-09-2	
1-Methylnaphthalene	ND	ug/kg	11.6	1		04/24/13 16:51	90-12-0	N2
2-Methylnaphthalene	ND	ug/kg	11.6	1		04/24/13 16:51	91-57-6	N2
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	29.0	1		04/24/13 16:51	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.8	1		04/24/13 16:51	1634-04-4	
Naphthalene	ND	ug/kg	5.8	1		04/24/13 16:51	91-20-3	
n-Propylbenzene	ND	ug/kg	5.8	1		04/24/13 16:51	103-65-1	
Styrene	ND	ug/kg	5.8	1		04/24/13 16:51	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.8	1		04/24/13 16:51	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.8	1		04/24/13 16:51	79-34-5	
Tetrachloroethene	ND	ug/kg	5.8	1		04/24/13 16:51	127-18-4	
Toluene	ND	ug/kg	5.8	1		04/24/13 16:51	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.8	1		04/24/13 16:51	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.8	1		04/24/13 16:51	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.8	1		04/24/13 16:51	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.8	1		04/24/13 16:51	79-00-5	
Trichloroethene	ND	ug/kg	5.8	1		04/24/13 16:51	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.8	1		04/24/13 16:51	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.8	1		04/24/13 16:51	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.8	1		04/24/13 16:51	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.8	1		04/24/13 16:51	108-67-8	
Vinyl acetate	ND	ug/kg	116	1		04/24/13 16:51	108-05-4	
Vinyl chloride	ND	ug/kg	5.8	1		04/24/13 16:51	75-01-4	
Xylene (Total)	ND	ug/kg	11.6	1		04/24/13 16:51	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	102	%.	85-118	1		04/24/13 16:51	1868-53-7	
Toluene-d8 (S)	95	%.	71-128	1		04/24/13 16:51	2037-26-5	
4-Bromofluorobenzene (S)	101	%.	56-144	1		04/24/13 16:51	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	8.8	%	0.10	1		04/22/13 10:13		

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ANALYTICAL RESULTS

Project: Franklin Street Dept/067138.00
Pace Project No.: 5079069

Sample: 02-West tank base end @9.5' Lab ID: 5079069002 Collected: 04/16/13 14:35 Received: 04/17/13 17:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	9.5	mg/kg	2.3	1	04/19/13 12:42	04/22/13 09:14	7439-92-1	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	89.1	1		04/24/13 17:24	67-64-1	
Acrolein	ND	ug/kg	89.1	1		04/24/13 17:24	107-02-8	
Acrylonitrile	ND	ug/kg	89.1	1		04/24/13 17:24	107-13-1	
Benzene	ND	ug/kg	4.5	1		04/24/13 17:24	71-43-2	
Bromobenzene	ND	ug/kg	4.5	1		04/24/13 17:24	108-86-1	
Bromochloromethane	ND	ug/kg	4.5	1		04/24/13 17:24	74-97-5	
Bromodichloromethane	ND	ug/kg	4.5	1		04/24/13 17:24	75-27-4	
Bromoform	ND	ug/kg	4.5	1		04/24/13 17:24	75-25-2	
Bromomethane	ND	ug/kg	4.5	1		04/24/13 17:24	74-83-9	
2-Butanone (MEK)	ND	ug/kg	22.3	1		04/24/13 17:24	78-93-3	
n-Butylbenzene	ND	ug/kg	4.5	1		04/24/13 17:24	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.5	1		04/24/13 17:24	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.5	1		04/24/13 17:24	98-06-6	
Carbon disulfide	ND	ug/kg	8.9	1		04/24/13 17:24	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.5	1		04/24/13 17:24	56-23-5	
Chlorobenzene	ND	ug/kg	4.5	1		04/24/13 17:24	108-90-7	
Chloroethane	ND	ug/kg	4.5	1		04/24/13 17:24	75-00-3	
Chloroform	ND	ug/kg	4.5	1		04/24/13 17:24	67-66-3	
Chloromethane	ND	ug/kg	4.5	1		04/24/13 17:24	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.5	1		04/24/13 17:24	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.5	1		04/24/13 17:24	106-43-4	
Dibromochloromethane	ND	ug/kg	4.5	1		04/24/13 17:24	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.5	1		04/24/13 17:24	106-93-4	
Dibromomethane	ND	ug/kg	4.5	1		04/24/13 17:24	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.5	1		04/24/13 17:24	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.5	1		04/24/13 17:24	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.5	1		04/24/13 17:24	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	89.1	1		04/24/13 17:24	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	4.5	1		04/24/13 17:24	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.5	1		04/24/13 17:24	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.5	1		04/24/13 17:24	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.5	1		04/24/13 17:24	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.5	1		04/24/13 17:24	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.5	1		04/24/13 17:24	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.5	1		04/24/13 17:24	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.5	1		04/24/13 17:24	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.5	1		04/24/13 17:24	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.5	1		04/24/13 17:24	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.5	1		04/24/13 17:24	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.5	1		04/24/13 17:24	10061-02-6	
Ethylbenzene	ND	ug/kg	4.5	1		04/24/13 17:24	100-41-4	
Ethyl methacrylate	ND	ug/kg	89.1	1		04/24/13 17:24	97-63-2	

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ANALYTICAL RESULTS

Project: Franklin Street Dept/067138.00
Pace Project No.: 5079069

Sample: 02-West tank base end @9.5' Lab ID: 5079069002 Collected: 04/16/13 14:35 Received: 04/17/13 17:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Hexachloro-1,3-butadiene	ND	ug/kg	4.5	1		04/24/13 17:24	87-68-3	
n-Hexane	ND	ug/kg	4.5	1		04/24/13 17:24	110-54-3	N2
2-Hexanone	ND	ug/kg	89.1	1		04/24/13 17:24	591-78-6	
Iodomethane	ND	ug/kg	89.1	1		04/24/13 17:24	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	4.5	1		04/24/13 17:24	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.5	1		04/24/13 17:24	99-87-6	
Methylene Chloride	ND	ug/kg	17.8	1		04/24/13 17:24	75-09-2	
1-Methylnaphthalene	ND	ug/kg	8.9	1		04/24/13 17:24	90-12-0	N2
2-Methylnaphthalene	ND	ug/kg	8.9	1		04/24/13 17:24	91-57-6	N2
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	22.3	1		04/24/13 17:24	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.5	1		04/24/13 17:24	1634-04-4	
Naphthalene	ND	ug/kg	4.5	1		04/24/13 17:24	91-20-3	
n-Propylbenzene	ND	ug/kg	4.5	1		04/24/13 17:24	103-65-1	
Styrene	ND	ug/kg	4.5	1		04/24/13 17:24	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.5	1		04/24/13 17:24	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.5	1		04/24/13 17:24	79-34-5	
Tetrachloroethene	ND	ug/kg	4.5	1		04/24/13 17:24	127-18-4	
Toluene	ND	ug/kg	4.5	1		04/24/13 17:24	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.5	1		04/24/13 17:24	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.5	1		04/24/13 17:24	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.5	1		04/24/13 17:24	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.5	1		04/24/13 17:24	79-00-5	
Trichloroethene	ND	ug/kg	4.5	1		04/24/13 17:24	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.5	1		04/24/13 17:24	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.5	1		04/24/13 17:24	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.5	1		04/24/13 17:24	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.5	1		04/24/13 17:24	108-67-8	
Vinyl acetate	ND	ug/kg	89.1	1		04/24/13 17:24	108-05-4	
Vinyl chloride	ND	ug/kg	4.5	1		04/24/13 17:24	75-01-4	
Xylene (Total)	ND	ug/kg	8.9	1		04/24/13 17:24	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	103	%.	85-118	1		04/24/13 17:24	1868-53-7	
Toluene-d8 (S)	95	%.	71-128	1		04/24/13 17:24	2037-26-5	
4-Bromofluorobenzene (S)	100	%.	56-144	1		04/24/13 17:24	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	18.2	%	0.10	1		04/22/13 10:13		

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ANALYTICAL RESULTS

Project: Franklin Street Dept/067138.00
Pace Project No.: 5079069

Sample: 03-South Wall @4.75' Lab ID: 5079069003 Collected: 04/16/13 14:50 Received: 04/17/13 17:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	6.1	mg/kg	2.2	1	04/19/13 12:42	04/22/13 09:17	7439-92-1	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	106	1		04/24/13 17:56	67-64-1	
Acrolein	ND	ug/kg	106	1		04/24/13 17:56	107-02-8	
Acrylonitrile	ND	ug/kg	106	1		04/24/13 17:56	107-13-1	
Benzene	ND	ug/kg	5.3	1		04/24/13 17:56	71-43-2	
Bromobenzene	ND	ug/kg	5.3	1		04/24/13 17:56	108-86-1	
Bromochloromethane	ND	ug/kg	5.3	1		04/24/13 17:56	74-97-5	
Bromodichloromethane	ND	ug/kg	5.3	1		04/24/13 17:56	75-27-4	
Bromoform	ND	ug/kg	5.3	1		04/24/13 17:56	75-25-2	
Bromomethane	ND	ug/kg	5.3	1		04/24/13 17:56	74-83-9	
2-Butanone (MEK)	ND	ug/kg	26.6	1		04/24/13 17:56	78-93-3	
n-Butylbenzene	ND	ug/kg	5.3	1		04/24/13 17:56	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.3	1		04/24/13 17:56	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.3	1		04/24/13 17:56	98-06-6	
Carbon disulfide	ND	ug/kg	10.6	1		04/24/13 17:56	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.3	1		04/24/13 17:56	56-23-5	
Chlorobenzene	ND	ug/kg	5.3	1		04/24/13 17:56	108-90-7	
Chloroethane	ND	ug/kg	5.3	1		04/24/13 17:56	75-00-3	
Chloroform	ND	ug/kg	5.3	1		04/24/13 17:56	67-66-3	
Chloromethane	ND	ug/kg	5.3	1		04/24/13 17:56	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.3	1		04/24/13 17:56	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.3	1		04/24/13 17:56	106-43-4	
Dibromochloromethane	ND	ug/kg	5.3	1		04/24/13 17:56	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.3	1		04/24/13 17:56	106-93-4	
Dibromomethane	ND	ug/kg	5.3	1		04/24/13 17:56	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.3	1		04/24/13 17:56	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.3	1		04/24/13 17:56	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.3	1		04/24/13 17:56	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	106	1		04/24/13 17:56	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	5.3	1		04/24/13 17:56	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.3	1		04/24/13 17:56	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.3	1		04/24/13 17:56	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.3	1		04/24/13 17:56	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.3	1		04/24/13 17:56	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.3	1		04/24/13 17:56	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.3	1		04/24/13 17:56	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.3	1		04/24/13 17:56	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.3	1		04/24/13 17:56	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.3	1		04/24/13 17:56	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.3	1		04/24/13 17:56	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.3	1		04/24/13 17:56	10061-02-6	
Ethylbenzene	ND	ug/kg	5.3	1		04/24/13 17:56	100-41-4	
Ethyl methacrylate	ND	ug/kg	106	1		04/24/13 17:56	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	5.3	1		04/24/13 17:56	87-68-3	

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ANALYTICAL RESULTS

Project: Franklin Street Dept/067138.00
Pace Project No.: 5079069

Sample: 03-South Wall @4.75' Lab ID: 5079069003 Collected: 04/16/13 14:50 Received: 04/17/13 17:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
n-Hexane	ND	ug/kg	5.3	1		04/24/13 17:56	110-54-3	N2
2-Hexanone	ND	ug/kg	106	1		04/24/13 17:56	591-78-6	
Iodomethane	ND	ug/kg	106	1		04/24/13 17:56	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	5.3	1		04/24/13 17:56	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.3	1		04/24/13 17:56	99-87-6	
Methylene Chloride	ND	ug/kg	21.2	1		04/24/13 17:56	75-09-2	
1-Methylnaphthalene	ND	ug/kg	10.6	1		04/24/13 17:56	90-12-0	N2
2-Methylnaphthalene	ND	ug/kg	10.6	1		04/24/13 17:56	91-57-6	N2
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	26.6	1		04/24/13 17:56	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.3	1		04/24/13 17:56	1634-04-4	
Naphthalene	ND	ug/kg	5.3	1		04/24/13 17:56	91-20-3	
n-Propylbenzene	ND	ug/kg	5.3	1		04/24/13 17:56	103-65-1	
Styrene	ND	ug/kg	5.3	1		04/24/13 17:56	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.3	1		04/24/13 17:56	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.3	1		04/24/13 17:56	79-34-5	
Tetrachloroethene	ND	ug/kg	5.3	1		04/24/13 17:56	127-18-4	
Toluene	ND	ug/kg	5.3	1		04/24/13 17:56	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.3	1		04/24/13 17:56	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.3	1		04/24/13 17:56	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.3	1		04/24/13 17:56	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.3	1		04/24/13 17:56	79-00-5	
Trichloroethene	ND	ug/kg	5.3	1		04/24/13 17:56	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.3	1		04/24/13 17:56	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.3	1		04/24/13 17:56	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.3	1		04/24/13 17:56	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.3	1		04/24/13 17:56	108-67-8	
Vinyl acetate	ND	ug/kg	106	1		04/24/13 17:56	108-05-4	
Vinyl chloride	ND	ug/kg	5.3	1		04/24/13 17:56	75-01-4	
Xylene (Total)	ND	ug/kg	10.6	1		04/24/13 17:56	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	103	%.	85-118	1		04/24/13 17:56	1868-53-7	
Toluene-d8 (S)	94	%.	71-128	1		04/24/13 17:56	2037-26-5	
4-Bromofluorobenzene (S)	99	%.	56-144	1		04/24/13 17:56	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	11.7	%	0.10	1		04/22/13 10:13		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Franklin Street Dept/067138.00
Pace Project No.: 5079069

Sample: 04-East tank base-S end @9.5' Lab ID: 5079069004 Collected: 04/16/13 15:05 Received: 04/17/13 17:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	20.7	mg/kg	2.1	1	04/19/13 12:42	04/22/13 09:19	7439-92-1	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	101	1		04/24/13 22:10	67-64-1	
Acrolein	ND	ug/kg	101	1		04/24/13 22:10	107-02-8	
Acrylonitrile	ND	ug/kg	101	1		04/24/13 22:10	107-13-1	
Benzene	ND	ug/kg	5.1	1		04/24/13 22:10	71-43-2	
Bromobenzene	ND	ug/kg	5.1	1		04/24/13 22:10	108-86-1	
Bromochloromethane	ND	ug/kg	5.1	1		04/24/13 22:10	74-97-5	
Bromodichloromethane	ND	ug/kg	5.1	1		04/24/13 22:10	75-27-4	
Bromoform	ND	ug/kg	5.1	1		04/24/13 22:10	75-25-2	
Bromomethane	ND	ug/kg	5.1	1		04/24/13 22:10	74-83-9	
2-Butanone (MEK)	ND	ug/kg	25.3	1		04/24/13 22:10	78-93-3	
n-Butylbenzene	ND	ug/kg	5.1	1		04/24/13 22:10	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.1	1		04/24/13 22:10	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.1	1		04/24/13 22:10	98-06-6	
Carbon disulfide	ND	ug/kg	10.1	1		04/24/13 22:10	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.1	1		04/24/13 22:10	56-23-5	
Chlorobenzene	ND	ug/kg	5.1	1		04/24/13 22:10	108-90-7	
Chloroethane	ND	ug/kg	5.1	1		04/24/13 22:10	75-00-3	
Chloroform	ND	ug/kg	5.1	1		04/24/13 22:10	67-66-3	
Chloromethane	ND	ug/kg	5.1	1		04/24/13 22:10	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.1	1		04/24/13 22:10	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.1	1		04/24/13 22:10	106-43-4	
Dibromochloromethane	ND	ug/kg	5.1	1		04/24/13 22:10	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.1	1		04/24/13 22:10	106-93-4	
Dibromomethane	ND	ug/kg	5.1	1		04/24/13 22:10	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.1	1		04/24/13 22:10	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.1	1		04/24/13 22:10	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.1	1		04/24/13 22:10	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	101	1		04/24/13 22:10	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	5.1	1		04/24/13 22:10	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.1	1		04/24/13 22:10	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.1	1		04/24/13 22:10	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.1	1		04/24/13 22:10	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.1	1		04/24/13 22:10	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.1	1		04/24/13 22:10	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.1	1		04/24/13 22:10	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.1	1		04/24/13 22:10	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.1	1		04/24/13 22:10	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.1	1		04/24/13 22:10	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.1	1		04/24/13 22:10	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.1	1		04/24/13 22:10	10061-02-6	
Ethylbenzene	ND	ug/kg	5.1	1		04/24/13 22:10	100-41-4	
Ethyl methacrylate	ND	ug/kg	101	1		04/24/13 22:10	97-63-2	

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ANALYTICAL RESULTS

Project: Franklin Street Dept/067138.00
Pace Project No.: 5079069

Sample: 04-East tank base-S end @9.5' Lab ID: 5079069004 Collected: 04/16/13 15:05 Received: 04/17/13 17:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Hexachloro-1,3-butadiene	ND	ug/kg	5.1	1		04/24/13 22:10	87-68-3	
n-Hexane	ND	ug/kg	5.1	1		04/24/13 22:10	110-54-3	N2
2-Hexanone	ND	ug/kg	101	1		04/24/13 22:10	591-78-6	
Iodomethane	ND	ug/kg	101	1		04/24/13 22:10	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	5.1	1		04/24/13 22:10	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.1	1		04/24/13 22:10	99-87-6	
Methylene Chloride	ND	ug/kg	20.2	1		04/24/13 22:10	75-09-2	
1-Methylnaphthalene	ND	ug/kg	10.1	1		04/24/13 22:10	90-12-0	N2
2-Methylnaphthalene	ND	ug/kg	10.1	1		04/24/13 22:10	91-57-6	N2
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	25.3	1		04/24/13 22:10	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.1	1		04/24/13 22:10	1634-04-4	
Naphthalene	ND	ug/kg	5.1	1		04/24/13 22:10	91-20-3	
n-Propylbenzene	ND	ug/kg	5.1	1		04/24/13 22:10	103-65-1	
Styrene	ND	ug/kg	5.1	1		04/24/13 22:10	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.1	1		04/24/13 22:10	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.1	1		04/24/13 22:10	79-34-5	
Tetrachloroethene	ND	ug/kg	5.1	1		04/24/13 22:10	127-18-4	
Toluene	ND	ug/kg	5.1	1		04/24/13 22:10	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.1	1		04/24/13 22:10	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.1	1		04/24/13 22:10	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.1	1		04/24/13 22:10	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.1	1		04/24/13 22:10	79-00-5	
Trichloroethene	ND	ug/kg	5.1	1		04/24/13 22:10	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.1	1		04/24/13 22:10	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.1	1		04/24/13 22:10	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.1	1		04/24/13 22:10	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.1	1		04/24/13 22:10	108-67-8	
Vinyl acetate	ND	ug/kg	101	1		04/24/13 22:10	108-05-4	
Vinyl chloride	ND	ug/kg	5.1	1		04/24/13 22:10	75-01-4	
Xylene (Total)	ND	ug/kg	10.1	1		04/24/13 22:10	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101	%.	85-118	1		04/24/13 22:10	1868-53-7	
Toluene-d8 (S)	104	%.	71-128	1		04/24/13 22:10	2037-26-5	
4-Bromofluorobenzene (S)	99	%.	56-144	1		04/24/13 22:10	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	13.0	%	0.10	1		04/22/13 10:14		

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ANALYTICAL RESULTS

Project: Franklin Street Dept/067138.00
Pace Project No.: 5079069

Sample: 05-East Wall South @4.75' Lab ID: 5079069005 Collected: 04/16/13 15:15 Received: 04/17/13 17:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	6.5	mg/kg	2.1	1	04/19/13 12:42	04/22/13 09:27	7439-92-1	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	110	1		04/24/13 22:43	67-64-1	
Acrolein	ND	ug/kg	110	1		04/24/13 22:43	107-02-8	
Acrylonitrile	ND	ug/kg	110	1		04/24/13 22:43	107-13-1	
Benzene	ND	ug/kg	5.5	1		04/24/13 22:43	71-43-2	
Bromobenzene	ND	ug/kg	5.5	1		04/24/13 22:43	108-86-1	
Bromochloromethane	ND	ug/kg	5.5	1		04/24/13 22:43	74-97-5	
Bromodichloromethane	ND	ug/kg	5.5	1		04/24/13 22:43	75-27-4	
Bromoform	ND	ug/kg	5.5	1		04/24/13 22:43	75-25-2	
Bromomethane	ND	ug/kg	5.5	1		04/24/13 22:43	74-83-9	
2-Butanone (MEK)	ND	ug/kg	27.5	1		04/24/13 22:43	78-93-3	
n-Butylbenzene	ND	ug/kg	5.5	1		04/24/13 22:43	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.5	1		04/24/13 22:43	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.5	1		04/24/13 22:43	98-06-6	
Carbon disulfide	ND	ug/kg	11.0	1		04/24/13 22:43	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.5	1		04/24/13 22:43	56-23-5	
Chlorobenzene	ND	ug/kg	5.5	1		04/24/13 22:43	108-90-7	
Chloroethane	ND	ug/kg	5.5	1		04/24/13 22:43	75-00-3	
Chloroform	ND	ug/kg	5.5	1		04/24/13 22:43	67-66-3	
Chloromethane	ND	ug/kg	5.5	1		04/24/13 22:43	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.5	1		04/24/13 22:43	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.5	1		04/24/13 22:43	106-43-4	
Dibromochloromethane	ND	ug/kg	5.5	1		04/24/13 22:43	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.5	1		04/24/13 22:43	106-93-4	
Dibromomethane	ND	ug/kg	5.5	1		04/24/13 22:43	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.5	1		04/24/13 22:43	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.5	1		04/24/13 22:43	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.5	1		04/24/13 22:43	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	110	1		04/24/13 22:43	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	5.5	1		04/24/13 22:43	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.5	1		04/24/13 22:43	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.5	1		04/24/13 22:43	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.5	1		04/24/13 22:43	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.5	1		04/24/13 22:43	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.5	1		04/24/13 22:43	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.5	1		04/24/13 22:43	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.5	1		04/24/13 22:43	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.5	1		04/24/13 22:43	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.5	1		04/24/13 22:43	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.5	1		04/24/13 22:43	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.5	1		04/24/13 22:43	10061-02-6	
Ethylbenzene	ND	ug/kg	5.5	1		04/24/13 22:43	100-41-4	
Ethyl methacrylate	ND	ug/kg	110	1		04/24/13 22:43	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	5.5	1		04/24/13 22:43	87-68-3	

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ANALYTICAL RESULTS

Project: Franklin Street Dept/067138.00
Pace Project No.: 5079069

Sample: 05-East Wall South @4.75' Lab ID: 5079069005 Collected: 04/16/13 15:15 Received: 04/17/13 17:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
n-Hexane	ND	ug/kg	5.5	1		04/24/13 22:43	110-54-3	N2
2-Hexanone	ND	ug/kg	110	1		04/24/13 22:43	591-78-6	
Iodomethane	ND	ug/kg	110	1		04/24/13 22:43	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	5.5	1		04/24/13 22:43	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.5	1		04/24/13 22:43	99-87-6	
Methylene Chloride	ND	ug/kg	22.0	1		04/24/13 22:43	75-09-2	
1-Methylnaphthalene	ND	ug/kg	11.0	1		04/24/13 22:43	90-12-0	N2
2-Methylnaphthalene	ND	ug/kg	11.0	1		04/24/13 22:43	91-57-6	N2
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	27.5	1		04/24/13 22:43	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.5	1		04/24/13 22:43	1634-04-4	
Naphthalene	ND	ug/kg	5.5	1		04/24/13 22:43	91-20-3	
n-Propylbenzene	ND	ug/kg	5.5	1		04/24/13 22:43	103-65-1	
Styrene	ND	ug/kg	5.5	1		04/24/13 22:43	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.5	1		04/24/13 22:43	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.5	1		04/24/13 22:43	79-34-5	
Tetrachloroethene	ND	ug/kg	5.5	1		04/24/13 22:43	127-18-4	
Toluene	ND	ug/kg	5.5	1		04/24/13 22:43	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.5	1		04/24/13 22:43	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.5	1		04/24/13 22:43	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.5	1		04/24/13 22:43	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.5	1		04/24/13 22:43	79-00-5	
Trichloroethene	ND	ug/kg	5.5	1		04/24/13 22:43	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.5	1		04/24/13 22:43	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.5	1		04/24/13 22:43	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.5	1		04/24/13 22:43	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.5	1		04/24/13 22:43	108-67-8	
Vinyl acetate	ND	ug/kg	110	1		04/24/13 22:43	108-05-4	
Vinyl chloride	ND	ug/kg	5.5	1		04/24/13 22:43	75-01-4	
Xylene (Total)	ND	ug/kg	11.0	1		04/24/13 22:43	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	103	%.	85-118	1		04/24/13 22:43	1868-53-7	
Toluene-d8 (S)	103	%.	71-128	1		04/24/13 22:43	2037-26-5	
4-Bromofluorobenzene (S)	97	%.	56-144	1		04/24/13 22:43	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	10.7	%	0.10	1		04/22/13 10:14		

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ANALYTICAL RESULTS

Project: Franklin Street Dept/067138.00
Pace Project No.: 5079069

Sample: 06-West Wall North @4.75' Lab ID: 5079069006 Collected: 04/16/13 15:45 Received: 04/17/13 17:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	4.3	mg/kg	2.0	1	04/19/13 12:42	04/22/13 09:29	7439-92-1	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	94.0	1		04/24/13 23:17	67-64-1	
Acrolein	ND	ug/kg	94.0	1		04/24/13 23:17	107-02-8	
Acrylonitrile	ND	ug/kg	94.0	1		04/24/13 23:17	107-13-1	
Benzene	ND	ug/kg	4.7	1		04/24/13 23:17	71-43-2	
Bromobenzene	ND	ug/kg	4.7	1		04/24/13 23:17	108-86-1	
Bromochloromethane	ND	ug/kg	4.7	1		04/24/13 23:17	74-97-5	
Bromodichloromethane	ND	ug/kg	4.7	1		04/24/13 23:17	75-27-4	
Bromoform	ND	ug/kg	4.7	1		04/24/13 23:17	75-25-2	
Bromomethane	ND	ug/kg	4.7	1		04/24/13 23:17	74-83-9	
2-Butanone (MEK)	ND	ug/kg	23.5	1		04/24/13 23:17	78-93-3	
n-Butylbenzene	ND	ug/kg	4.7	1		04/24/13 23:17	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.7	1		04/24/13 23:17	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.7	1		04/24/13 23:17	98-06-6	
Carbon disulfide	ND	ug/kg	9.4	1		04/24/13 23:17	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.7	1		04/24/13 23:17	56-23-5	
Chlorobenzene	ND	ug/kg	4.7	1		04/24/13 23:17	108-90-7	
Chloroethane	ND	ug/kg	4.7	1		04/24/13 23:17	75-00-3	
Chloroform	ND	ug/kg	4.7	1		04/24/13 23:17	67-66-3	
Chloromethane	ND	ug/kg	4.7	1		04/24/13 23:17	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.7	1		04/24/13 23:17	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.7	1		04/24/13 23:17	106-43-4	
Dibromochloromethane	ND	ug/kg	4.7	1		04/24/13 23:17	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.7	1		04/24/13 23:17	106-93-4	
Dibromomethane	ND	ug/kg	4.7	1		04/24/13 23:17	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.7	1		04/24/13 23:17	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.7	1		04/24/13 23:17	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.7	1		04/24/13 23:17	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	94.0	1		04/24/13 23:17	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	4.7	1		04/24/13 23:17	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.7	1		04/24/13 23:17	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.7	1		04/24/13 23:17	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.7	1		04/24/13 23:17	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.7	1		04/24/13 23:17	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.7	1		04/24/13 23:17	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.7	1		04/24/13 23:17	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.7	1		04/24/13 23:17	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.7	1		04/24/13 23:17	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.7	1		04/24/13 23:17	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.7	1		04/24/13 23:17	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.7	1		04/24/13 23:17	10061-02-6	
Ethylbenzene	ND	ug/kg	4.7	1		04/24/13 23:17	100-41-4	
Ethyl methacrylate	ND	ug/kg	94.0	1		04/24/13 23:17	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	4.7	1		04/24/13 23:17	87-68-3	

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ANALYTICAL RESULTS

Project: Franklin Street Dept/067138.00
Pace Project No.: 5079069

Sample: 06-West Wall North @4.75' Lab ID: 5079069006 Collected: 04/16/13 15:45 Received: 04/17/13 17:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
n-Hexane	ND	ug/kg	4.7	1		04/24/13 23:17	110-54-3	N2
2-Hexanone	ND	ug/kg	94.0	1		04/24/13 23:17	591-78-6	
Iodomethane	ND	ug/kg	94.0	1		04/24/13 23:17	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	4.7	1		04/24/13 23:17	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.7	1		04/24/13 23:17	99-87-6	
Methylene Chloride	ND	ug/kg	18.8	1		04/24/13 23:17	75-09-2	
1-Methylnaphthalene	ND	ug/kg	9.4	1		04/24/13 23:17	90-12-0	N2
2-Methylnaphthalene	ND	ug/kg	9.4	1		04/24/13 23:17	91-57-6	N2
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	23.5	1		04/24/13 23:17	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.7	1		04/24/13 23:17	1634-04-4	
Naphthalene	ND	ug/kg	4.7	1		04/24/13 23:17	91-20-3	
n-Propylbenzene	ND	ug/kg	4.7	1		04/24/13 23:17	103-65-1	
Styrene	ND	ug/kg	4.7	1		04/24/13 23:17	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.7	1		04/24/13 23:17	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.7	1		04/24/13 23:17	79-34-5	
Tetrachloroethene	ND	ug/kg	4.7	1		04/24/13 23:17	127-18-4	
Toluene	ND	ug/kg	4.7	1		04/24/13 23:17	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.7	1		04/24/13 23:17	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.7	1		04/24/13 23:17	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.7	1		04/24/13 23:17	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.7	1		04/24/13 23:17	79-00-5	
Trichloroethene	ND	ug/kg	4.7	1		04/24/13 23:17	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.7	1		04/24/13 23:17	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.7	1		04/24/13 23:17	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.7	1		04/24/13 23:17	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.7	1		04/24/13 23:17	108-67-8	
Vinyl acetate	ND	ug/kg	94.0	1		04/24/13 23:17	108-05-4	
Vinyl chloride	ND	ug/kg	4.7	1		04/24/13 23:17	75-01-4	
Xylene (Total)	ND	ug/kg	9.4	1		04/24/13 23:17	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	111	%.	85-118	1		04/24/13 23:17	1868-53-7	
Toluene-d8 (S)	95	%.	71-128	1		04/24/13 23:17	2037-26-5	
4-Bromofluorobenzene (S)	99	%.	56-144	1		04/24/13 23:17	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	7.9	%	0.10	1		04/22/13 10:14		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Franklin Street Dept/067138.00
Pace Project No.: 5079069

Sample: 07-East tank base-N end @9.5' Lab ID: 5079069007 Collected: 04/16/13 16:05 Received: 04/17/13 17:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	6.2	mg/kg	2.1	1	04/19/13 12:42	04/22/13 09:31	7439-92-1	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	108	1		04/24/13 23:51	67-64-1	
Acrolein	ND	ug/kg	108	1		04/24/13 23:51	107-02-8	
Acrylonitrile	ND	ug/kg	108	1		04/24/13 23:51	107-13-1	
Benzene	ND	ug/kg	5.4	1		04/24/13 23:51	71-43-2	
Bromobenzene	ND	ug/kg	5.4	1		04/24/13 23:51	108-86-1	
Bromochloromethane	ND	ug/kg	5.4	1		04/24/13 23:51	74-97-5	
Bromodichloromethane	ND	ug/kg	5.4	1		04/24/13 23:51	75-27-4	
Bromoform	ND	ug/kg	5.4	1		04/24/13 23:51	75-25-2	
Bromomethane	ND	ug/kg	5.4	1		04/24/13 23:51	74-83-9	
2-Butanone (MEK)	ND	ug/kg	27.0	1		04/24/13 23:51	78-93-3	
n-Butylbenzene	ND	ug/kg	5.4	1		04/24/13 23:51	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.4	1		04/24/13 23:51	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.4	1		04/24/13 23:51	98-06-6	
Carbon disulfide	ND	ug/kg	10.8	1		04/24/13 23:51	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.4	1		04/24/13 23:51	56-23-5	
Chlorobenzene	ND	ug/kg	5.4	1		04/24/13 23:51	108-90-7	
Chloroethane	ND	ug/kg	5.4	1		04/24/13 23:51	75-00-3	
Chloroform	ND	ug/kg	5.4	1		04/24/13 23:51	67-66-3	
Chloromethane	ND	ug/kg	5.4	1		04/24/13 23:51	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.4	1		04/24/13 23:51	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.4	1		04/24/13 23:51	106-43-4	
Dibromochloromethane	ND	ug/kg	5.4	1		04/24/13 23:51	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.4	1		04/24/13 23:51	106-93-4	
Dibromomethane	ND	ug/kg	5.4	1		04/24/13 23:51	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.4	1		04/24/13 23:51	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.4	1		04/24/13 23:51	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.4	1		04/24/13 23:51	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	108	1		04/24/13 23:51	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	5.4	1		04/24/13 23:51	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.4	1		04/24/13 23:51	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.4	1		04/24/13 23:51	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.4	1		04/24/13 23:51	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.4	1		04/24/13 23:51	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.4	1		04/24/13 23:51	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.4	1		04/24/13 23:51	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.4	1		04/24/13 23:51	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.4	1		04/24/13 23:51	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.4	1		04/24/13 23:51	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.4	1		04/24/13 23:51	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.4	1		04/24/13 23:51	10061-02-6	
Ethylbenzene	ND	ug/kg	5.4	1		04/24/13 23:51	100-41-4	
Ethyl methacrylate	ND	ug/kg	108	1		04/24/13 23:51	97-63-2	

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ANALYTICAL RESULTS

Project: Franklin Street Dept/067138.00
Pace Project No.: 5079069

Sample: 07-East tank base-N end @9.5' Lab ID: 5079069007 Collected: 04/16/13 16:05 Received: 04/17/13 17:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Hexachloro-1,3-butadiene	ND	ug/kg	5.4	1		04/24/13 23:51	87-68-3	
n-Hexane	ND	ug/kg	5.4	1		04/24/13 23:51	110-54-3	N2
2-Hexanone	ND	ug/kg	108	1		04/24/13 23:51	591-78-6	
Iodomethane	ND	ug/kg	108	1		04/24/13 23:51	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	5.4	1		04/24/13 23:51	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.4	1		04/24/13 23:51	99-87-6	
Methylene Chloride	ND	ug/kg	21.6	1		04/24/13 23:51	75-09-2	
1-Methylnaphthalene	ND	ug/kg	10.8	1		04/24/13 23:51	90-12-0	N2
2-Methylnaphthalene	ND	ug/kg	10.8	1		04/24/13 23:51	91-57-6	N2
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	27.0	1		04/24/13 23:51	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.4	1		04/24/13 23:51	1634-04-4	
Naphthalene	ND	ug/kg	5.4	1		04/24/13 23:51	91-20-3	
n-Propylbenzene	ND	ug/kg	5.4	1		04/24/13 23:51	103-65-1	
Styrene	ND	ug/kg	5.4	1		04/24/13 23:51	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.4	1		04/24/13 23:51	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.4	1		04/24/13 23:51	79-34-5	
Tetrachloroethene	ND	ug/kg	5.4	1		04/24/13 23:51	127-18-4	
Toluene	ND	ug/kg	5.4	1		04/24/13 23:51	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.4	1		04/24/13 23:51	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.4	1		04/24/13 23:51	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.4	1		04/24/13 23:51	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.4	1		04/24/13 23:51	79-00-5	
Trichloroethene	ND	ug/kg	5.4	1		04/24/13 23:51	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.4	1		04/24/13 23:51	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.4	1		04/24/13 23:51	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.4	1		04/24/13 23:51	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.4	1		04/24/13 23:51	108-67-8	
Vinyl acetate	ND	ug/kg	108	1		04/24/13 23:51	108-05-4	
Vinyl chloride	ND	ug/kg	5.4	1		04/24/13 23:51	75-01-4	
Xylene (Total)	ND	ug/kg	10.8	1		04/24/13 23:51	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	104	%.	85-118	1		04/24/13 23:51	1868-53-7	
Toluene-d8 (S)	103	%.	71-128	1		04/24/13 23:51	2037-26-5	
4-Bromofluorobenzene (S)	97	%.	56-144	1		04/24/13 23:51	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	8.7	%	0.10	1		04/22/13 10:14		

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ANALYTICAL RESULTS

Project: Franklin Street Dept/067138.00
Pace Project No.: 5079069

Sample: 08-West tank base- N end @9.5' Lab ID: 5079069008 Collected: 04/16/13 16:15 Received: 04/17/13 17:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	9.1	mg/kg	2.0	1	04/19/13 12:42	04/22/13 09:33	7439-92-1	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	85.3	1		04/25/13 02:40	67-64-1	
Acrolein	ND	ug/kg	85.3	1		04/25/13 02:40	107-02-8	
Acrylonitrile	ND	ug/kg	85.3	1		04/25/13 02:40	107-13-1	
Benzene	ND	ug/kg	4.3	1		04/25/13 02:40	71-43-2	
Bromobenzene	ND	ug/kg	4.3	1		04/25/13 02:40	108-86-1	
Bromochloromethane	ND	ug/kg	4.3	1		04/25/13 02:40	74-97-5	
Bromodichloromethane	ND	ug/kg	4.3	1		04/25/13 02:40	75-27-4	
Bromoform	ND	ug/kg	4.3	1		04/25/13 02:40	75-25-2	
Bromomethane	ND	ug/kg	4.3	1		04/25/13 02:40	74-83-9	
2-Butanone (MEK)	ND	ug/kg	21.3	1		04/25/13 02:40	78-93-3	
n-Butylbenzene	ND	ug/kg	4.3	1		04/25/13 02:40	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.3	1		04/25/13 02:40	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.3	1		04/25/13 02:40	98-06-6	
Carbon disulfide	ND	ug/kg	8.5	1		04/25/13 02:40	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.3	1		04/25/13 02:40	56-23-5	
Chlorobenzene	ND	ug/kg	4.3	1		04/25/13 02:40	108-90-7	
Chloroethane	ND	ug/kg	4.3	1		04/25/13 02:40	75-00-3	
Chloroform	ND	ug/kg	4.3	1		04/25/13 02:40	67-66-3	
Chloromethane	ND	ug/kg	4.3	1		04/25/13 02:40	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.3	1		04/25/13 02:40	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.3	1		04/25/13 02:40	106-43-4	
Dibromochloromethane	ND	ug/kg	4.3	1		04/25/13 02:40	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.3	1		04/25/13 02:40	106-93-4	
Dibromomethane	ND	ug/kg	4.3	1		04/25/13 02:40	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.3	1		04/25/13 02:40	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.3	1		04/25/13 02:40	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.3	1		04/25/13 02:40	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	85.3	1		04/25/13 02:40	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	4.3	1		04/25/13 02:40	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.3	1		04/25/13 02:40	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.3	1		04/25/13 02:40	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.3	1		04/25/13 02:40	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.3	1		04/25/13 02:40	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.3	1		04/25/13 02:40	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.3	1		04/25/13 02:40	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.3	1		04/25/13 02:40	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.3	1		04/25/13 02:40	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.3	1		04/25/13 02:40	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.3	1		04/25/13 02:40	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.3	1		04/25/13 02:40	10061-02-6	
Ethylbenzene	ND	ug/kg	4.3	1		04/25/13 02:40	100-41-4	
Ethyl methacrylate	ND	ug/kg	85.3	1		04/25/13 02:40	97-63-2	

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ANALYTICAL RESULTS

Project: Franklin Street Dept/067138.00
Pace Project No.: 5079069

Sample: 08-West tank base- N end @9.5' Lab ID: 5079069008 Collected: 04/16/13 16:15 Received: 04/17/13 17:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Hexachloro-1,3-butadiene	ND	ug/kg	4.3	1		04/25/13 02:40	87-68-3	
n-Hexane	ND	ug/kg	4.3	1		04/25/13 02:40	110-54-3	N2
2-Hexanone	ND	ug/kg	85.3	1		04/25/13 02:40	591-78-6	
Iodomethane	ND	ug/kg	85.3	1		04/25/13 02:40	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	4.3	1		04/25/13 02:40	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.3	1		04/25/13 02:40	99-87-6	
Methylene Chloride	ND	ug/kg	17.1	1		04/25/13 02:40	75-09-2	
1-Methylnaphthalene	ND	ug/kg	8.5	1		04/25/13 02:40	90-12-0	N2
2-Methylnaphthalene	ND	ug/kg	8.5	1		04/25/13 02:40	91-57-6	N2
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	21.3	1		04/25/13 02:40	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.3	1		04/25/13 02:40	1634-04-4	
Naphthalene	ND	ug/kg	4.3	1		04/25/13 02:40	91-20-3	
n-Propylbenzene	ND	ug/kg	4.3	1		04/25/13 02:40	103-65-1	
Styrene	ND	ug/kg	4.3	1		04/25/13 02:40	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.3	1		04/25/13 02:40	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.3	1		04/25/13 02:40	79-34-5	
Tetrachloroethene	ND	ug/kg	4.3	1		04/25/13 02:40	127-18-4	
Toluene	ND	ug/kg	4.3	1		04/25/13 02:40	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.3	1		04/25/13 02:40	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.3	1		04/25/13 02:40	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.3	1		04/25/13 02:40	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.3	1		04/25/13 02:40	79-00-5	
Trichloroethene	ND	ug/kg	4.3	1		04/25/13 02:40	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.3	1		04/25/13 02:40	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.3	1		04/25/13 02:40	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.3	1		04/25/13 02:40	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.3	1		04/25/13 02:40	108-67-8	
Vinyl acetate	ND	ug/kg	85.3	1		04/25/13 02:40	108-05-4	
Vinyl chloride	ND	ug/kg	4.3	1		04/25/13 02:40	75-01-4	
Xylene (Total)	ND	ug/kg	8.5	1		04/25/13 02:40	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	104	%.	85-118	1		04/25/13 02:40	1868-53-7	
Toluene-d8 (S)	105	%.	71-128	1		04/25/13 02:40	2037-26-5	
4-Bromofluorobenzene (S)	100	%.	56-144	1		04/25/13 02:40	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	14.8	%	0.10	1		04/22/13 10:14		

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ANALYTICAL RESULTS

Project: Franklin Street Dept/067138.00
Pace Project No.: 5079069

Sample: 09-East Wall N end @4.75' Lab ID: 5079069009 Collected: 04/16/13 16:30 Received: 04/17/13 17:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	6.0	mg/kg	2.3	1	04/19/13 12:42	04/22/13 09:35	7439-92-1	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	105	1		04/25/13 03:14	67-64-1	
Acrolein	ND	ug/kg	105	1		04/25/13 03:14	107-02-8	
Acrylonitrile	ND	ug/kg	105	1		04/25/13 03:14	107-13-1	
Benzene	ND	ug/kg	5.3	1		04/25/13 03:14	71-43-2	
Bromobenzene	ND	ug/kg	5.3	1		04/25/13 03:14	108-86-1	
Bromochloromethane	ND	ug/kg	5.3	1		04/25/13 03:14	74-97-5	
Bromodichloromethane	ND	ug/kg	5.3	1		04/25/13 03:14	75-27-4	
Bromoform	ND	ug/kg	5.3	1		04/25/13 03:14	75-25-2	
Bromomethane	ND	ug/kg	5.3	1		04/25/13 03:14	74-83-9	
2-Butanone (MEK)	ND	ug/kg	26.3	1		04/25/13 03:14	78-93-3	
n-Butylbenzene	ND	ug/kg	5.3	1		04/25/13 03:14	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.3	1		04/25/13 03:14	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.3	1		04/25/13 03:14	98-06-6	
Carbon disulfide	ND	ug/kg	10.5	1		04/25/13 03:14	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.3	1		04/25/13 03:14	56-23-5	
Chlorobenzene	ND	ug/kg	5.3	1		04/25/13 03:14	108-90-7	
Chloroethane	ND	ug/kg	5.3	1		04/25/13 03:14	75-00-3	
Chloroform	ND	ug/kg	5.3	1		04/25/13 03:14	67-66-3	
Chloromethane	ND	ug/kg	5.3	1		04/25/13 03:14	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.3	1		04/25/13 03:14	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.3	1		04/25/13 03:14	106-43-4	
Dibromochloromethane	ND	ug/kg	5.3	1		04/25/13 03:14	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.3	1		04/25/13 03:14	106-93-4	
Dibromomethane	ND	ug/kg	5.3	1		04/25/13 03:14	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.3	1		04/25/13 03:14	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.3	1		04/25/13 03:14	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.3	1		04/25/13 03:14	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	105	1		04/25/13 03:14	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	5.3	1		04/25/13 03:14	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.3	1		04/25/13 03:14	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.3	1		04/25/13 03:14	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.3	1		04/25/13 03:14	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.3	1		04/25/13 03:14	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.3	1		04/25/13 03:14	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.3	1		04/25/13 03:14	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.3	1		04/25/13 03:14	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.3	1		04/25/13 03:14	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.3	1		04/25/13 03:14	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.3	1		04/25/13 03:14	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.3	1		04/25/13 03:14	10061-02-6	
Ethylbenzene	ND	ug/kg	5.3	1		04/25/13 03:14	100-41-4	
Ethyl methacrylate	ND	ug/kg	105	1		04/25/13 03:14	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	5.3	1		04/25/13 03:14	87-68-3	

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ANALYTICAL RESULTS

Project: Franklin Street Dept/067138.00
Pace Project No.: 5079069

Sample: 09-East Wall N end @4.75' Lab ID: 5079069009 Collected: 04/16/13 16:30 Received: 04/17/13 17:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
n-Hexane	ND	ug/kg	5.3	1		04/25/13 03:14	110-54-3	N2
2-Hexanone	ND	ug/kg	105	1		04/25/13 03:14	591-78-6	
Iodomethane	ND	ug/kg	105	1		04/25/13 03:14	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	5.3	1		04/25/13 03:14	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.3	1		04/25/13 03:14	99-87-6	
Methylene Chloride	ND	ug/kg	21.1	1		04/25/13 03:14	75-09-2	
1-Methylnaphthalene	ND	ug/kg	10.5	1		04/25/13 03:14	90-12-0	N2
2-Methylnaphthalene	ND	ug/kg	10.5	1		04/25/13 03:14	91-57-6	N2
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	26.3	1		04/25/13 03:14	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.3	1		04/25/13 03:14	1634-04-4	
Naphthalene	ND	ug/kg	5.3	1		04/25/13 03:14	91-20-3	
n-Propylbenzene	ND	ug/kg	5.3	1		04/25/13 03:14	103-65-1	
Styrene	ND	ug/kg	5.3	1		04/25/13 03:14	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.3	1		04/25/13 03:14	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.3	1		04/25/13 03:14	79-34-5	
Tetrachloroethene	ND	ug/kg	5.3	1		04/25/13 03:14	127-18-4	
Toluene	ND	ug/kg	5.3	1		04/25/13 03:14	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.3	1		04/25/13 03:14	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.3	1		04/25/13 03:14	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.3	1		04/25/13 03:14	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.3	1		04/25/13 03:14	79-00-5	
Trichloroethene	ND	ug/kg	5.3	1		04/25/13 03:14	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.3	1		04/25/13 03:14	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.3	1		04/25/13 03:14	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.3	1		04/25/13 03:14	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.3	1		04/25/13 03:14	108-67-8	
Vinyl acetate	ND	ug/kg	105	1		04/25/13 03:14	108-05-4	
Vinyl chloride	ND	ug/kg	5.3	1		04/25/13 03:14	75-01-4	
Xylene (Total)	ND	ug/kg	10.5	1		04/25/13 03:14	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	104	%.	85-118	1		04/25/13 03:14	1868-53-7	
Toluene-d8 (S)	104	%.	71-128	1		04/25/13 03:14	2037-26-5	
4-Bromofluorobenzene (S)	98	%.	56-144	1		04/25/13 03:14	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	14.0	%	0.10	1		04/22/13 10:14		

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ANALYTICAL RESULTS

Project: Franklin Street Dept/067138.00
Pace Project No.: 5079069

Sample: 09-Duplicate-EWall N end @4.75 | Lab ID: 5079069010 | Collected: 04/16/13 16:30 | Received: 04/17/13 17:30 | Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	5.0	mg/kg	2.0	1	04/19/13 12:42	04/22/13 09:37	7439-92-1	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	115	1		04/25/13 03:48	67-64-1	
Acrolein	ND	ug/kg	115	1		04/25/13 03:48	107-02-8	
Acrylonitrile	ND	ug/kg	115	1		04/25/13 03:48	107-13-1	
Benzene	ND	ug/kg	5.7	1		04/25/13 03:48	71-43-2	
Bromobenzene	ND	ug/kg	5.7	1		04/25/13 03:48	108-86-1	
Bromochloromethane	ND	ug/kg	5.7	1		04/25/13 03:48	74-97-5	
Bromodichloromethane	ND	ug/kg	5.7	1		04/25/13 03:48	75-27-4	
Bromoform	ND	ug/kg	5.7	1		04/25/13 03:48	75-25-2	
Bromomethane	ND	ug/kg	5.7	1		04/25/13 03:48	74-83-9	
2-Butanone (MEK)	ND	ug/kg	28.7	1		04/25/13 03:48	78-93-3	
n-Butylbenzene	ND	ug/kg	5.7	1		04/25/13 03:48	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.7	1		04/25/13 03:48	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.7	1		04/25/13 03:48	98-06-6	
Carbon disulfide	ND	ug/kg	11.5	1		04/25/13 03:48	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.7	1		04/25/13 03:48	56-23-5	
Chlorobenzene	ND	ug/kg	5.7	1		04/25/13 03:48	108-90-7	
Chloroethane	ND	ug/kg	5.7	1		04/25/13 03:48	75-00-3	
Chloroform	ND	ug/kg	5.7	1		04/25/13 03:48	67-66-3	
Chloromethane	ND	ug/kg	5.7	1		04/25/13 03:48	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.7	1		04/25/13 03:48	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.7	1		04/25/13 03:48	106-43-4	
Dibromochloromethane	ND	ug/kg	5.7	1		04/25/13 03:48	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.7	1		04/25/13 03:48	106-93-4	
Dibromomethane	ND	ug/kg	5.7	1		04/25/13 03:48	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.7	1		04/25/13 03:48	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.7	1		04/25/13 03:48	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.7	1		04/25/13 03:48	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	115	1		04/25/13 03:48	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	5.7	1		04/25/13 03:48	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.7	1		04/25/13 03:48	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.7	1		04/25/13 03:48	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.7	1		04/25/13 03:48	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.7	1		04/25/13 03:48	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.7	1		04/25/13 03:48	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.7	1		04/25/13 03:48	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.7	1		04/25/13 03:48	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.7	1		04/25/13 03:48	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.7	1		04/25/13 03:48	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.7	1		04/25/13 03:48	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.7	1		04/25/13 03:48	10061-02-6	
Ethylbenzene	ND	ug/kg	5.7	1		04/25/13 03:48	100-41-4	
Ethyl methacrylate	ND	ug/kg	115	1		04/25/13 03:48	97-63-2	

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ANALYTICAL RESULTS

Project: Franklin Street Dept/067138.00
Pace Project No.: 5079069

Sample: 09-Duplicate-EWall N end @4.75 Lab ID: 5079069010 Collected: 04/16/13 16:30 Received: 04/17/13 17:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Hexachloro-1,3-butadiene	ND	ug/kg	5.7	1		04/25/13 03:48	87-68-3	
n-Hexane	ND	ug/kg	5.7	1		04/25/13 03:48	110-54-3	N2
2-Hexanone	ND	ug/kg	115	1		04/25/13 03:48	591-78-6	
Iodomethane	ND	ug/kg	115	1		04/25/13 03:48	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	5.7	1		04/25/13 03:48	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.7	1		04/25/13 03:48	99-87-6	
Methylene Chloride	ND	ug/kg	23.0	1		04/25/13 03:48	75-09-2	
1-Methylnaphthalene	ND	ug/kg	11.5	1		04/25/13 03:48	90-12-0	N2
2-Methylnaphthalene	ND	ug/kg	11.5	1		04/25/13 03:48	91-57-6	N2
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	28.7	1		04/25/13 03:48	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.7	1		04/25/13 03:48	1634-04-4	
Naphthalene	ND	ug/kg	5.7	1		04/25/13 03:48	91-20-3	
n-Propylbenzene	ND	ug/kg	5.7	1		04/25/13 03:48	103-65-1	
Styrene	ND	ug/kg	5.7	1		04/25/13 03:48	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.7	1		04/25/13 03:48	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.7	1		04/25/13 03:48	79-34-5	
Tetrachloroethene	ND	ug/kg	5.7	1		04/25/13 03:48	127-18-4	
Toluene	ND	ug/kg	5.7	1		04/25/13 03:48	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.7	1		04/25/13 03:48	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.7	1		04/25/13 03:48	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.7	1		04/25/13 03:48	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.7	1		04/25/13 03:48	79-00-5	
Trichloroethene	ND	ug/kg	5.7	1		04/25/13 03:48	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.7	1		04/25/13 03:48	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.7	1		04/25/13 03:48	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.7	1		04/25/13 03:48	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.7	1		04/25/13 03:48	108-67-8	
Vinyl acetate	ND	ug/kg	115	1		04/25/13 03:48	108-05-4	
Vinyl chloride	ND	ug/kg	5.7	1		04/25/13 03:48	75-01-4	
Xylene (Total)	ND	ug/kg	11.5	1		04/25/13 03:48	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	105	%.	85-118	1		04/25/13 03:48	1868-53-7	
Toluene-d8 (S)	102	%.	71-128	1		04/25/13 03:48	2037-26-5	
4-Bromofluorobenzene (S)	99	%.	56-144	1		04/25/13 03:48	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	13.1	%	0.10	1		04/22/13 10:14		

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ANALYTICAL RESULTS

Project: Franklin Street Dept/067138.00
Pace Project No.: 5079069

Sample: 11-North Wall @5' Lab ID: 5079069011 Collected: 04/17/13 09:25 Received: 04/17/13 17:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	11.7	mg/kg	2.3	1	04/19/13 12:42	04/22/13 09:39	7439-92-1	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	93.7	1		04/25/13 05:29	67-64-1	
Acrolein	ND	ug/kg	93.7	1		04/25/13 05:29	107-02-8	
Acrylonitrile	ND	ug/kg	93.7	1		04/25/13 05:29	107-13-1	
Benzene	ND	ug/kg	4.7	1		04/25/13 05:29	71-43-2	
Bromobenzene	ND	ug/kg	4.7	1		04/25/13 05:29	108-86-1	
Bromochloromethane	ND	ug/kg	4.7	1		04/25/13 05:29	74-97-5	
Bromodichloromethane	ND	ug/kg	4.7	1		04/25/13 05:29	75-27-4	
Bromoform	ND	ug/kg	4.7	1		04/25/13 05:29	75-25-2	
Bromomethane	ND	ug/kg	4.7	1		04/25/13 05:29	74-83-9	
2-Butanone (MEK)	ND	ug/kg	23.4	1		04/25/13 05:29	78-93-3	
n-Butylbenzene	ND	ug/kg	4.7	1		04/25/13 05:29	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.7	1		04/25/13 05:29	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.7	1		04/25/13 05:29	98-06-6	
Carbon disulfide	ND	ug/kg	9.4	1		04/25/13 05:29	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.7	1		04/25/13 05:29	56-23-5	
Chlorobenzene	ND	ug/kg	4.7	1		04/25/13 05:29	108-90-7	
Chloroethane	ND	ug/kg	4.7	1		04/25/13 05:29	75-00-3	
Chloroform	ND	ug/kg	4.7	1		04/25/13 05:29	67-66-3	
Chloromethane	ND	ug/kg	4.7	1		04/25/13 05:29	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.7	1		04/25/13 05:29	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.7	1		04/25/13 05:29	106-43-4	
Dibromochloromethane	ND	ug/kg	4.7	1		04/25/13 05:29	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.7	1		04/25/13 05:29	106-93-4	
Dibromomethane	ND	ug/kg	4.7	1		04/25/13 05:29	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.7	1		04/25/13 05:29	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.7	1		04/25/13 05:29	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.7	1		04/25/13 05:29	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	93.7	1		04/25/13 05:29	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	4.7	1		04/25/13 05:29	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.7	1		04/25/13 05:29	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.7	1		04/25/13 05:29	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.7	1		04/25/13 05:29	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.7	1		04/25/13 05:29	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.7	1		04/25/13 05:29	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.7	1		04/25/13 05:29	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.7	1		04/25/13 05:29	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.7	1		04/25/13 05:29	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.7	1		04/25/13 05:29	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.7	1		04/25/13 05:29	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.7	1		04/25/13 05:29	10061-02-6	
Ethylbenzene	ND	ug/kg	4.7	1		04/25/13 05:29	100-41-4	
Ethyl methacrylate	ND	ug/kg	93.7	1		04/25/13 05:29	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	4.7	1		04/25/13 05:29	87-68-3	

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ANALYTICAL RESULTS

Project: Franklin Street Dept/067138.00
Pace Project No.: 5079069

Sample: 11-North Wall @5' Lab ID: 5079069011 Collected: 04/17/13 09:25 Received: 04/17/13 17:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
n-Hexane	ND	ug/kg	4.7	1		04/25/13 05:29	110-54-3	N2
2-Hexanone	ND	ug/kg	93.7	1		04/25/13 05:29	591-78-6	
Iodomethane	ND	ug/kg	93.7	1		04/25/13 05:29	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	4.7	1		04/25/13 05:29	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.7	1		04/25/13 05:29	99-87-6	
Methylene Chloride	ND	ug/kg	18.7	1		04/25/13 05:29	75-09-2	
1-Methylnaphthalene	ND	ug/kg	9.4	1		04/25/13 05:29	90-12-0	N2
2-Methylnaphthalene	ND	ug/kg	9.4	1		04/25/13 05:29	91-57-6	N2
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	23.4	1		04/25/13 05:29	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.7	1		04/25/13 05:29	1634-04-4	
Naphthalene	ND	ug/kg	4.7	1		04/25/13 05:29	91-20-3	
n-Propylbenzene	ND	ug/kg	4.7	1		04/25/13 05:29	103-65-1	
Styrene	ND	ug/kg	4.7	1		04/25/13 05:29	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.7	1		04/25/13 05:29	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.7	1		04/25/13 05:29	79-34-5	
Tetrachloroethene	ND	ug/kg	4.7	1		04/25/13 05:29	127-18-4	
Toluene	ND	ug/kg	4.7	1		04/25/13 05:29	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.7	1		04/25/13 05:29	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.7	1		04/25/13 05:29	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.7	1		04/25/13 05:29	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.7	1		04/25/13 05:29	79-00-5	
Trichloroethene	ND	ug/kg	4.7	1		04/25/13 05:29	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.7	1		04/25/13 05:29	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.7	1		04/25/13 05:29	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.7	1		04/25/13 05:29	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.7	1		04/25/13 05:29	108-67-8	
Vinyl acetate	ND	ug/kg	93.7	1		04/25/13 05:29	108-05-4	
Vinyl chloride	ND	ug/kg	4.7	1		04/25/13 05:29	75-01-4	
Xylene (Total)	ND	ug/kg	9.4	1		04/25/13 05:29	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	110	%.	85-118	1		04/25/13 05:29	1868-53-7	
Toluene-d8 (S)	101	%.	71-128	1		04/25/13 05:29	2037-26-5	
4-Bromofluorobenzene (S)	98	%.	56-144	1		04/25/13 05:29	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	12.8	%	0.10	1		04/22/13 10:15		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Franklin Street Dept/067138.00
Pace Project No.: 5079069

Sample: 12-Pipe run @2.5' Lab ID: 5079069012 Collected: 04/17/13 10:30 Received: 04/17/13 17:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	2.5	mg/kg	1.9	1	04/19/13 12:42	04/22/13 09:41	7439-92-1	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	98.4	1		04/25/13 06:03	67-64-1	
Acrolein	ND	ug/kg	98.4	1		04/25/13 06:03	107-02-8	
Acrylonitrile	ND	ug/kg	98.4	1		04/25/13 06:03	107-13-1	
Benzene	37.2	ug/kg	4.9	1		04/25/13 06:03	71-43-2	
Bromobenzene	ND	ug/kg	4.9	1		04/25/13 06:03	108-86-1	
Bromochloromethane	ND	ug/kg	4.9	1		04/25/13 06:03	74-97-5	
Bromodichloromethane	ND	ug/kg	4.9	1		04/25/13 06:03	75-27-4	
Bromoform	ND	ug/kg	4.9	1		04/25/13 06:03	75-25-2	
Bromomethane	ND	ug/kg	4.9	1		04/25/13 06:03	74-83-9	
2-Butanone (MEK)	ND	ug/kg	24.6	1		04/25/13 06:03	78-93-3	
n-Butylbenzene	ND	ug/kg	4.9	1		04/25/13 06:03	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.9	1		04/25/13 06:03	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.9	1		04/25/13 06:03	98-06-6	
Carbon disulfide	ND	ug/kg	9.8	1		04/25/13 06:03	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.9	1		04/25/13 06:03	56-23-5	
Chlorobenzene	ND	ug/kg	4.9	1		04/25/13 06:03	108-90-7	
Chloroethane	ND	ug/kg	4.9	1		04/25/13 06:03	75-00-3	
Chloroform	ND	ug/kg	4.9	1		04/25/13 06:03	67-66-3	
Chloromethane	ND	ug/kg	4.9	1		04/25/13 06:03	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.9	1		04/25/13 06:03	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.9	1		04/25/13 06:03	106-43-4	
Dibromochloromethane	ND	ug/kg	4.9	1		04/25/13 06:03	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.9	1		04/25/13 06:03	106-93-4	
Dibromomethane	ND	ug/kg	4.9	1		04/25/13 06:03	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.9	1		04/25/13 06:03	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.9	1		04/25/13 06:03	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.9	1		04/25/13 06:03	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	98.4	1		04/25/13 06:03	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	4.9	1		04/25/13 06:03	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.9	1		04/25/13 06:03	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.9	1		04/25/13 06:03	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.9	1		04/25/13 06:03	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.9	1		04/25/13 06:03	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.9	1		04/25/13 06:03	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.9	1		04/25/13 06:03	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.9	1		04/25/13 06:03	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.9	1		04/25/13 06:03	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.9	1		04/25/13 06:03	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.9	1		04/25/13 06:03	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.9	1		04/25/13 06:03	10061-02-6	
Ethylbenzene	ND	ug/kg	4.9	1		04/25/13 06:03	100-41-4	
Ethyl methacrylate	ND	ug/kg	98.4	1		04/25/13 06:03	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	4.9	1		04/25/13 06:03	87-68-3	

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ANALYTICAL RESULTS

Project: Franklin Street Dept/067138.00
Pace Project No.: 5079069

Sample: 12-Pipe run @2.5' Lab ID: 5079069012 Collected: 04/17/13 10:30 Received: 04/17/13 17:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
n-Hexane	ND	ug/kg	4.9	1		04/25/13 06:03	110-54-3	N2
2-Hexanone	ND	ug/kg	98.4	1		04/25/13 06:03	591-78-6	
Iodomethane	ND	ug/kg	98.4	1		04/25/13 06:03	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	4.9	1		04/25/13 06:03	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.9	1		04/25/13 06:03	99-87-6	
Methylene Chloride	ND	ug/kg	19.7	1		04/25/13 06:03	75-09-2	
1-Methylnaphthalene	ND	ug/kg	9.8	1		04/25/13 06:03	90-12-0	N2
2-Methylnaphthalene	ND	ug/kg	9.8	1		04/25/13 06:03	91-57-6	N2
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	24.6	1		04/25/13 06:03	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.9	1		04/25/13 06:03	1634-04-4	
Naphthalene	ND	ug/kg	4.9	1		04/25/13 06:03	91-20-3	
n-Propylbenzene	ND	ug/kg	4.9	1		04/25/13 06:03	103-65-1	
Styrene	ND	ug/kg	4.9	1		04/25/13 06:03	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.9	1		04/25/13 06:03	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.9	1		04/25/13 06:03	79-34-5	
Tetrachloroethene	ND	ug/kg	4.9	1		04/25/13 06:03	127-18-4	
Toluene	20.8	ug/kg	4.9	1		04/25/13 06:03	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.9	1		04/25/13 06:03	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.9	1		04/25/13 06:03	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.9	1		04/25/13 06:03	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.9	1		04/25/13 06:03	79-00-5	
Trichloroethene	ND	ug/kg	4.9	1		04/25/13 06:03	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.9	1		04/25/13 06:03	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.9	1		04/25/13 06:03	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.9	1		04/25/13 06:03	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.9	1		04/25/13 06:03	108-67-8	
Vinyl acetate	ND	ug/kg	98.4	1		04/25/13 06:03	108-05-4	
Vinyl chloride	ND	ug/kg	4.9	1		04/25/13 06:03	75-01-4	
Xylene (Total)	ND	ug/kg	9.8	1		04/25/13 06:03	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	107	%.	85-118	1		04/25/13 06:03	1868-53-7	
Toluene-d8 (S)	104	%.	71-128	1		04/25/13 06:03	2037-26-5	
4-Bromofluorobenzene (S)	98	%.	56-144	1		04/25/13 06:03	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	4.7	%	0.10	1		04/22/13 10:15		

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ANALYTICAL RESULTS

Project: Franklin Street Dept/067138.00
Pace Project No.: 5079069

Sample: 13-West Dispenser @3.0' Lab ID: 5079069013 Collected: 04/17/13 11:50 Received: 04/17/13 17:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	9.3	mg/kg	2.4	1	04/19/13 12:42	04/22/13 09:43	7439-92-1	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	90.7	1		04/25/13 06:37	67-64-1	
Acrolein	ND	ug/kg	90.7	1		04/25/13 06:37	107-02-8	
Acrylonitrile	ND	ug/kg	90.7	1		04/25/13 06:37	107-13-1	
Benzene	ND	ug/kg	4.5	1		04/25/13 06:37	71-43-2	
Bromobenzene	ND	ug/kg	4.5	1		04/25/13 06:37	108-86-1	
Bromochloromethane	ND	ug/kg	4.5	1		04/25/13 06:37	74-97-5	
Bromodichloromethane	ND	ug/kg	4.5	1		04/25/13 06:37	75-27-4	
Bromoform	ND	ug/kg	4.5	1		04/25/13 06:37	75-25-2	
Bromomethane	ND	ug/kg	4.5	1		04/25/13 06:37	74-83-9	
2-Butanone (MEK)	ND	ug/kg	22.7	1		04/25/13 06:37	78-93-3	
n-Butylbenzene	ND	ug/kg	4.5	1		04/25/13 06:37	104-51-8	
sec-Butylbenzene	79.8	ug/kg	4.5	1		04/25/13 06:37	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.5	1		04/25/13 06:37	98-06-6	
Carbon disulfide	ND	ug/kg	9.1	1		04/25/13 06:37	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.5	1		04/25/13 06:37	56-23-5	
Chlorobenzene	ND	ug/kg	4.5	1		04/25/13 06:37	108-90-7	
Chloroethane	ND	ug/kg	4.5	1		04/25/13 06:37	75-00-3	
Chloroform	ND	ug/kg	4.5	1		04/25/13 06:37	67-66-3	
Chloromethane	ND	ug/kg	4.5	1		04/25/13 06:37	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.5	1		04/25/13 06:37	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.5	1		04/25/13 06:37	106-43-4	
Dibromochloromethane	ND	ug/kg	4.5	1		04/25/13 06:37	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.5	1		04/25/13 06:37	106-93-4	
Dibromomethane	ND	ug/kg	4.5	1		04/25/13 06:37	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.5	1		04/25/13 06:37	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.5	1		04/25/13 06:37	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.5	1		04/25/13 06:37	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	90.7	1		04/25/13 06:37	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	4.5	1		04/25/13 06:37	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.5	1		04/25/13 06:37	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.5	1		04/25/13 06:37	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.5	1		04/25/13 06:37	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.5	1		04/25/13 06:37	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.5	1		04/25/13 06:37	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.5	1		04/25/13 06:37	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.5	1		04/25/13 06:37	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.5	1		04/25/13 06:37	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.5	1		04/25/13 06:37	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.5	1		04/25/13 06:37	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.5	1		04/25/13 06:37	10061-02-6	
Ethylbenzene	30.4	ug/kg	4.5	1		04/25/13 06:37	100-41-4	
Ethyl methacrylate	ND	ug/kg	90.7	1		04/25/13 06:37	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	4.5	1		04/25/13 06:37	87-68-3	

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ANALYTICAL RESULTS

Project: Franklin Street Dept/067138.00
Pace Project No.: 5079069

Sample: 13-West Dispenser @3.0' Lab ID: 5079069013 Collected: 04/17/13 11:50 Received: 04/17/13 17:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
n-Hexane	ND	ug/kg	4.5	1		04/25/13 06:37	110-54-3	N2
2-Hexanone	ND	ug/kg	90.7	1		04/25/13 06:37	591-78-6	
Iodomethane	ND	ug/kg	90.7	1		04/25/13 06:37	74-88-4	
Isopropylbenzene (Cumene)	31.9	ug/kg	4.5	1		04/25/13 06:37	98-82-8	
p-Isopropyltoluene	94.0	ug/kg	4.5	1		04/25/13 06:37	99-87-6	
Methylene Chloride	ND	ug/kg	18.1	1		04/25/13 06:37	75-09-2	
1-Methylnaphthalene	123000	ug/kg	9360	1000		04/25/13 16:14	90-12-0	N2
2-Methylnaphthalene	224000	ug/kg	9360	1000		04/25/13 16:14	91-57-6	N2
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	22.7	1		04/25/13 06:37	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.5	1		04/25/13 06:37	1634-04-4	
Naphthalene	75700	ug/kg	4680	1000		04/25/13 16:14	91-20-3	
n-Propylbenzene	102	ug/kg	4.5	1		04/25/13 06:37	103-65-1	
Styrene	ND	ug/kg	4.5	1		04/25/13 06:37	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.5	1		04/25/13 06:37	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.5	1		04/25/13 06:37	79-34-5	
Tetrachloroethene	ND	ug/kg	4.5	1		04/25/13 06:37	127-18-4	
Toluene	ND	ug/kg	4.5	1		04/25/13 06:37	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.5	1		04/25/13 06:37	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.5	1		04/25/13 06:37	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.5	1		04/25/13 06:37	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.5	1		04/25/13 06:37	79-00-5	
Trichloroethene	ND	ug/kg	4.5	1		04/25/13 06:37	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.5	1		04/25/13 06:37	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.5	1		04/25/13 06:37	96-18-4	
1,2,4-Trimethylbenzene	251000	ug/kg	4680	1000		04/25/13 16:14	95-63-6	
1,3,5-Trimethylbenzene	112000	ug/kg	4680	1000		04/25/13 16:14	108-67-8	
Vinyl acetate	ND	ug/kg	90.7	1		04/25/13 06:37	108-05-4	
Vinyl chloride	ND	ug/kg	4.5	1		04/25/13 06:37	75-01-4	
Xylene (Total)	20900	ug/kg	9360	1000		04/25/13 16:14	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	113	%.	85-118	1		04/25/13 06:37	1868-53-7	
Toluene-d8 (S)	127	%.	71-128	1		04/25/13 06:37	2037-26-5	
4-Bromofluorobenzene (S)	96	%.	56-144	1		04/25/13 06:37	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	17.7	%	0.10	1		04/22/13 10:15		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Franklin Street Dept/067138.00
Pace Project No.: 5079069

Sample: 14-East Dispenser @3.0' Lab ID: 5079069014 Collected: 04/17/13 12:25 Received: 04/17/13 17:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	12.5	mg/kg	2.2	1	04/19/13 12:42	04/22/13 09:45	7439-92-1	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	102	1		04/25/13 07:11	67-64-1	
Acrolein	ND	ug/kg	102	1		04/25/13 07:11	107-02-8	
Acrylonitrile	ND	ug/kg	102	1		04/25/13 07:11	107-13-1	
Benzene	ND	ug/kg	5.1	1		04/25/13 07:11	71-43-2	
Bromobenzene	ND	ug/kg	5.1	1		04/25/13 07:11	108-86-1	
Bromochloromethane	ND	ug/kg	5.1	1		04/25/13 07:11	74-97-5	
Bromodichloromethane	ND	ug/kg	5.1	1		04/25/13 07:11	75-27-4	
Bromoform	ND	ug/kg	5.1	1		04/25/13 07:11	75-25-2	
Bromomethane	ND	ug/kg	5.1	1		04/25/13 07:11	74-83-9	
2-Butanone (MEK)	ND	ug/kg	25.5	1		04/25/13 07:11	78-93-3	
n-Butylbenzene	ND	ug/kg	5.1	1		04/25/13 07:11	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.1	1		04/25/13 07:11	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.1	1		04/25/13 07:11	98-06-6	
Carbon disulfide	ND	ug/kg	10.2	1		04/25/13 07:11	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.1	1		04/25/13 07:11	56-23-5	
Chlorobenzene	ND	ug/kg	5.1	1		04/25/13 07:11	108-90-7	
Chloroethane	ND	ug/kg	5.1	1		04/25/13 07:11	75-00-3	
Chloroform	ND	ug/kg	5.1	1		04/25/13 07:11	67-66-3	
Chloromethane	ND	ug/kg	5.1	1		04/25/13 07:11	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.1	1		04/25/13 07:11	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.1	1		04/25/13 07:11	106-43-4	
Dibromochloromethane	ND	ug/kg	5.1	1		04/25/13 07:11	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.1	1		04/25/13 07:11	106-93-4	
Dibromomethane	ND	ug/kg	5.1	1		04/25/13 07:11	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.1	1		04/25/13 07:11	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.1	1		04/25/13 07:11	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.1	1		04/25/13 07:11	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	102	1		04/25/13 07:11	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	5.1	1		04/25/13 07:11	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.1	1		04/25/13 07:11	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.1	1		04/25/13 07:11	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.1	1		04/25/13 07:11	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.1	1		04/25/13 07:11	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.1	1		04/25/13 07:11	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.1	1		04/25/13 07:11	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.1	1		04/25/13 07:11	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.1	1		04/25/13 07:11	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.1	1		04/25/13 07:11	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.1	1		04/25/13 07:11	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.1	1		04/25/13 07:11	10061-02-6	
Ethylbenzene	ND	ug/kg	5.1	1		04/25/13 07:11	100-41-4	
Ethyl methacrylate	ND	ug/kg	102	1		04/25/13 07:11	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	5.1	1		04/25/13 07:11	87-68-3	

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ANALYTICAL RESULTS

Project: Franklin Street Dept/067138.00
Pace Project No.: 5079069

Sample: 14-East Dispenser @3.0' Lab ID: 5079069014 Collected: 04/17/13 12:25 Received: 04/17/13 17:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
n-Hexane	ND	ug/kg	5.1	1		04/25/13 07:11	110-54-3	N2
2-Hexanone	ND	ug/kg	102	1		04/25/13 07:11	591-78-6	
Iodomethane	ND	ug/kg	102	1		04/25/13 07:11	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	5.1	1		04/25/13 07:11	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.1	1		04/25/13 07:11	99-87-6	
Methylene Chloride	ND	ug/kg	20.4	1		04/25/13 07:11	75-09-2	
1-Methylnaphthalene	ND	ug/kg	14.1	1		04/25/13 15:07	90-12-0	N2
2-Methylnaphthalene	ND	ug/kg	14.1	1		04/25/13 15:07	91-57-6	N2
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	25.5	1		04/25/13 07:11	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.1	1		04/25/13 07:11	1634-04-4	
Naphthalene	ND	ug/kg	7.1	1		04/25/13 15:07	91-20-3	
n-Propylbenzene	ND	ug/kg	5.1	1		04/25/13 07:11	103-65-1	
Styrene	ND	ug/kg	5.1	1		04/25/13 07:11	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.1	1		04/25/13 07:11	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.1	1		04/25/13 07:11	79-34-5	
Tetrachloroethene	ND	ug/kg	5.1	1		04/25/13 07:11	127-18-4	
Toluene	ND	ug/kg	5.1	1		04/25/13 07:11	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.1	1		04/25/13 07:11	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.1	1		04/25/13 07:11	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.1	1		04/25/13 07:11	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.1	1		04/25/13 07:11	79-00-5	
Trichloroethene	ND	ug/kg	5.1	1		04/25/13 07:11	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.1	1		04/25/13 07:11	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.1	1		04/25/13 07:11	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.1	1		04/25/13 07:11	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.1	1		04/25/13 07:11	108-67-8	
Vinyl acetate	ND	ug/kg	102	1		04/25/13 07:11	108-05-4	
Vinyl chloride	ND	ug/kg	5.1	1		04/25/13 07:11	75-01-4	
Xylene (Total)	ND	ug/kg	10.2	1		04/25/13 07:11	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	98	%.	85-118	1		04/25/13 07:11	1868-53-7	
Toluene-d8 (S)	105	%.	71-128	1		04/25/13 07:11	2037-26-5	
4-Bromofluorobenzene (S)	99	%.	56-144	1		04/25/13 07:11	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	15.7	%	0.10	1		04/22/13 10:15		

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ANALYTICAL RESULTS

Project: Franklin Street Dept/067138.00
Pace Project No.: 5079069

Sample: 15-Stockpile (A) Lab ID: 5079069015 Collected: 04/17/13 12:05 Received: 04/17/13 17:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	5.2	mg/kg	2.2	1	04/19/13 12:42	04/22/13 09:52	7439-92-1	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	95.2	1		04/25/13 07:45	67-64-1	
Acrolein	ND	ug/kg	95.2	1		04/25/13 07:45	107-02-8	
Acrylonitrile	ND	ug/kg	95.2	1		04/25/13 07:45	107-13-1	
Benzene	ND	ug/kg	4.8	1		04/25/13 07:45	71-43-2	
Bromobenzene	ND	ug/kg	4.8	1		04/25/13 07:45	108-86-1	
Bromochloromethane	ND	ug/kg	4.8	1		04/25/13 07:45	74-97-5	
Bromodichloromethane	ND	ug/kg	4.8	1		04/25/13 07:45	75-27-4	
Bromoform	ND	ug/kg	4.8	1		04/25/13 07:45	75-25-2	
Bromomethane	ND	ug/kg	4.8	1		04/25/13 07:45	74-83-9	
2-Butanone (MEK)	ND	ug/kg	23.8	1		04/25/13 07:45	78-93-3	
n-Butylbenzene	ND	ug/kg	4.8	1		04/25/13 07:45	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.8	1		04/25/13 07:45	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.8	1		04/25/13 07:45	98-06-6	
Carbon disulfide	ND	ug/kg	9.5	1		04/25/13 07:45	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.8	1		04/25/13 07:45	56-23-5	
Chlorobenzene	ND	ug/kg	4.8	1		04/25/13 07:45	108-90-7	
Chloroethane	ND	ug/kg	4.8	1		04/25/13 07:45	75-00-3	
Chloroform	ND	ug/kg	4.8	1		04/25/13 07:45	67-66-3	
Chloromethane	ND	ug/kg	4.8	1		04/25/13 07:45	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.8	1		04/25/13 07:45	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.8	1		04/25/13 07:45	106-43-4	
Dibromochloromethane	ND	ug/kg	4.8	1		04/25/13 07:45	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.8	1		04/25/13 07:45	106-93-4	
Dibromomethane	ND	ug/kg	4.8	1		04/25/13 07:45	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.8	1		04/25/13 07:45	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.8	1		04/25/13 07:45	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.8	1		04/25/13 07:45	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	95.2	1		04/25/13 07:45	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	4.8	1		04/25/13 07:45	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.8	1		04/25/13 07:45	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.8	1		04/25/13 07:45	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.8	1		04/25/13 07:45	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.8	1		04/25/13 07:45	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.8	1		04/25/13 07:45	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.8	1		04/25/13 07:45	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.8	1		04/25/13 07:45	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.8	1		04/25/13 07:45	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.8	1		04/25/13 07:45	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.8	1		04/25/13 07:45	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.8	1		04/25/13 07:45	10061-02-6	
Ethylbenzene	ND	ug/kg	4.8	1		04/25/13 07:45	100-41-4	
Ethyl methacrylate	ND	ug/kg	95.2	1		04/25/13 07:45	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	4.8	1		04/25/13 07:45	87-68-3	

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ANALYTICAL RESULTS

Project: Franklin Street Dept/067138.00
Pace Project No.: 5079069

Sample: 15-Stockpile (A) Lab ID: 5079069015 Collected: 04/17/13 12:05 Received: 04/17/13 17:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
n-Hexane	ND	ug/kg	4.8	1		04/25/13 07:45	110-54-3	N2
2-Hexanone	ND	ug/kg	95.2	1		04/25/13 07:45	591-78-6	
Iodomethane	ND	ug/kg	95.2	1		04/25/13 07:45	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	4.8	1		04/25/13 07:45	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.8	1		04/25/13 07:45	99-87-6	
Methylene Chloride	ND	ug/kg	19.0	1		04/25/13 07:45	75-09-2	
1-Methylnaphthalene	ND	ug/kg	9.5	1		04/25/13 07:45	90-12-0	N2
2-Methylnaphthalene	14.1	ug/kg	9.5	1		04/25/13 07:45	91-57-6	N2
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	23.8	1		04/25/13 07:45	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.8	1		04/25/13 07:45	1634-04-4	
Naphthalene	ND	ug/kg	4.8	1		04/25/13 07:45	91-20-3	
n-Propylbenzene	ND	ug/kg	4.8	1		04/25/13 07:45	103-65-1	
Styrene	ND	ug/kg	4.8	1		04/25/13 07:45	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.8	1		04/25/13 07:45	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.8	1		04/25/13 07:45	79-34-5	
Tetrachloroethene	ND	ug/kg	4.8	1		04/25/13 07:45	127-18-4	
Toluene	ND	ug/kg	4.8	1		04/25/13 07:45	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.8	1		04/25/13 07:45	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.8	1		04/25/13 07:45	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.8	1		04/25/13 07:45	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.8	1		04/25/13 07:45	79-00-5	
Trichloroethene	ND	ug/kg	4.8	1		04/25/13 07:45	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.8	1		04/25/13 07:45	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.8	1		04/25/13 07:45	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.8	1		04/25/13 07:45	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.8	1		04/25/13 07:45	108-67-8	
Vinyl acetate	ND	ug/kg	95.2	1		04/25/13 07:45	108-05-4	
Vinyl chloride	ND	ug/kg	4.8	1		04/25/13 07:45	75-01-4	
Xylene (Total)	ND	ug/kg	9.5	1		04/25/13 07:45	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	102	%.	85-118	1		04/25/13 07:45	1868-53-7	
Toluene-d8 (S)	103	%.	71-128	1		04/25/13 07:45	2037-26-5	
4-Bromofluorobenzene (S)	100	%.	56-144	1		04/25/13 07:45	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	12.2	%	0.10	1		04/22/13 10:15		

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ANALYTICAL RESULTS

Project: Franklin Street Dept/067138.00
Pace Project No.: 5079069

Sample: 16-Stockpile (B) Lab ID: 5079069016 Collected: 04/17/13 12:10 Received: 04/17/13 17:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	8.6	mg/kg	2.1	1	04/19/13 12:42	04/22/13 09:54	7439-92-1	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	98.8	1		04/25/13 15:41	67-64-1	
Acrolein	ND	ug/kg	98.8	1		04/25/13 15:41	107-02-8	
Acrylonitrile	ND	ug/kg	98.8	1		04/25/13 15:41	107-13-1	
Benzene	ND	ug/kg	4.9	1		04/25/13 15:41	71-43-2	
Bromobenzene	ND	ug/kg	4.9	1		04/25/13 15:41	108-86-1	
Bromochloromethane	ND	ug/kg	4.9	1		04/25/13 15:41	74-97-5	
Bromodichloromethane	ND	ug/kg	4.9	1		04/25/13 15:41	75-27-4	
Bromoform	ND	ug/kg	4.9	1		04/25/13 15:41	75-25-2	
Bromomethane	ND	ug/kg	4.9	1		04/25/13 15:41	74-83-9	
2-Butanone (MEK)	ND	ug/kg	24.7	1		04/25/13 15:41	78-93-3	
n-Butylbenzene	ND	ug/kg	4.9	1		04/25/13 15:41	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.9	1		04/25/13 15:41	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.9	1		04/25/13 15:41	98-06-6	
Carbon disulfide	ND	ug/kg	9.9	1		04/25/13 15:41	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.9	1		04/25/13 15:41	56-23-5	
Chlorobenzene	ND	ug/kg	4.9	1		04/25/13 15:41	108-90-7	
Chloroethane	ND	ug/kg	4.9	1		04/25/13 15:41	75-00-3	
Chloroform	ND	ug/kg	4.9	1		04/25/13 15:41	67-66-3	
Chloromethane	ND	ug/kg	4.9	1		04/25/13 15:41	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.9	1		04/25/13 15:41	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.9	1		04/25/13 15:41	106-43-4	
Dibromochloromethane	ND	ug/kg	4.9	1		04/25/13 15:41	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.9	1		04/25/13 15:41	106-93-4	
Dibromomethane	ND	ug/kg	4.9	1		04/25/13 15:41	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.9	1		04/25/13 15:41	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.9	1		04/25/13 15:41	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.9	1		04/25/13 15:41	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	98.8	1		04/25/13 15:41	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	4.9	1		04/25/13 15:41	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.9	1		04/25/13 15:41	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.9	1		04/25/13 15:41	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.9	1		04/25/13 15:41	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.9	1		04/25/13 15:41	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.9	1		04/25/13 15:41	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.9	1		04/25/13 15:41	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.9	1		04/25/13 15:41	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.9	1		04/25/13 15:41	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.9	1		04/25/13 15:41	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.9	1		04/25/13 15:41	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.9	1		04/25/13 15:41	10061-02-6	
Ethylbenzene	ND	ug/kg	4.9	1		04/25/13 15:41	100-41-4	
Ethyl methacrylate	ND	ug/kg	98.8	1		04/25/13 15:41	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	4.9	1		04/25/13 15:41	87-68-3	

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ANALYTICAL RESULTS

Project: Franklin Street Dept/067138.00
Pace Project No.: 5079069

Sample: 16-Stockpile (B) Lab ID: 5079069016 Collected: 04/17/13 12:10 Received: 04/17/13 17:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
n-Hexane	ND	ug/kg	4.9	1		04/25/13 15:41	110-54-3	N2
2-Hexanone	ND	ug/kg	98.8	1		04/25/13 15:41	591-78-6	
Iodomethane	ND	ug/kg	98.8	1		04/25/13 15:41	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	4.9	1		04/25/13 15:41	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.9	1		04/25/13 15:41	99-87-6	
Methylene Chloride	ND	ug/kg	19.8	1		04/25/13 15:41	75-09-2	
1-Methylnaphthalene	ND	ug/kg	9.9	1		04/25/13 15:41	90-12-0	N2
2-Methylnaphthalene	16.0	ug/kg	9.9	1		04/25/13 15:41	91-57-6	N2
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	24.7	1		04/25/13 15:41	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.9	1		04/25/13 15:41	1634-04-4	
Naphthalene	ND	ug/kg	4.9	1		04/25/13 15:41	91-20-3	
n-Propylbenzene	ND	ug/kg	4.9	1		04/25/13 15:41	103-65-1	
Styrene	ND	ug/kg	4.9	1		04/25/13 15:41	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.9	1		04/25/13 15:41	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.9	1		04/25/13 15:41	79-34-5	
Tetrachloroethene	ND	ug/kg	4.9	1		04/25/13 15:41	127-18-4	
Toluene	ND	ug/kg	4.9	1		04/25/13 15:41	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.9	1		04/25/13 15:41	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.9	1		04/25/13 15:41	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.9	1		04/25/13 15:41	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.9	1		04/25/13 15:41	79-00-5	
Trichloroethene	ND	ug/kg	4.9	1		04/25/13 15:41	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.9	1		04/25/13 15:41	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.9	1		04/25/13 15:41	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.9	1		04/25/13 15:41	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.9	1		04/25/13 15:41	108-67-8	
Vinyl acetate	ND	ug/kg	98.8	1		04/25/13 15:41	108-05-4	
Vinyl chloride	ND	ug/kg	4.9	1		04/25/13 15:41	75-01-4	
Xylene (Total)	ND	ug/kg	9.9	1		04/25/13 15:41	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101	%.	85-118	1		04/25/13 15:41	1868-53-7	
Toluene-d8 (S)	105	%.	71-128	1		04/25/13 15:41	2037-26-5	
4-Bromofluorobenzene (S)	98	%.	56-144	1		04/25/13 15:41	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	14.0	%	0.10	1		04/22/13 10:15		

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ANALYTICAL RESULTS

Project: Franklin Street Dept/067138.00
Pace Project No.: 5079069

Sample: 17-Stockpile-suspect Lab ID: 5079069017 Collected: 04/17/13 12:40 Received: 04/17/13 17:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	10.0	mg/kg	2.3	1	04/19/13 12:42	04/22/13 09:56	7439-92-1	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	100	1		04/25/13 08:53	67-64-1	
Acrolein	ND	ug/kg	100	1		04/25/13 08:53	107-02-8	
Acrylonitrile	ND	ug/kg	100	1		04/25/13 08:53	107-13-1	
Benzene	ND	ug/kg	5.0	1		04/25/13 08:53	71-43-2	
Bromobenzene	ND	ug/kg	5.0	1		04/25/13 08:53	108-86-1	
Bromochloromethane	ND	ug/kg	5.0	1		04/25/13 08:53	74-97-5	
Bromodichloromethane	ND	ug/kg	5.0	1		04/25/13 08:53	75-27-4	
Bromoform	ND	ug/kg	5.0	1		04/25/13 08:53	75-25-2	
Bromomethane	ND	ug/kg	5.0	1		04/25/13 08:53	74-83-9	
2-Butanone (MEK)	ND	ug/kg	25.1	1		04/25/13 08:53	78-93-3	
n-Butylbenzene	ND	ug/kg	5.0	1		04/25/13 08:53	104-51-8	
sec-Butylbenzene	41.1	ug/kg	5.0	1		04/25/13 08:53	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.0	1		04/25/13 08:53	98-06-6	
Carbon disulfide	ND	ug/kg	10.0	1		04/25/13 08:53	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.0	1		04/25/13 08:53	56-23-5	
Chlorobenzene	ND	ug/kg	5.0	1		04/25/13 08:53	108-90-7	
Chloroethane	ND	ug/kg	5.0	1		04/25/13 08:53	75-00-3	
Chloroform	ND	ug/kg	5.0	1		04/25/13 08:53	67-66-3	
Chloromethane	ND	ug/kg	5.0	1		04/25/13 08:53	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.0	1		04/25/13 08:53	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.0	1		04/25/13 08:53	106-43-4	
Dibromochloromethane	ND	ug/kg	5.0	1		04/25/13 08:53	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.0	1		04/25/13 08:53	106-93-4	
Dibromomethane	ND	ug/kg	5.0	1		04/25/13 08:53	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.0	1		04/25/13 08:53	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.0	1		04/25/13 08:53	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.0	1		04/25/13 08:53	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	100	1		04/25/13 08:53	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	5.0	1		04/25/13 08:53	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.0	1		04/25/13 08:53	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.0	1		04/25/13 08:53	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.0	1		04/25/13 08:53	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.0	1		04/25/13 08:53	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.0	1		04/25/13 08:53	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.0	1		04/25/13 08:53	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.0	1		04/25/13 08:53	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.0	1		04/25/13 08:53	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.0	1		04/25/13 08:53	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.0	1		04/25/13 08:53	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.0	1		04/25/13 08:53	10061-02-6	
Ethylbenzene	28.2	ug/kg	5.0	1		04/25/13 08:53	100-41-4	
Ethyl methacrylate	ND	ug/kg	100	1		04/25/13 08:53	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	5.0	1		04/25/13 08:53	87-68-3	

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ANALYTICAL RESULTS

Project: Franklin Street Dept/067138.00
Pace Project No.: 5079069

Sample: 17-Stockpile-suspect Lab ID: 5079069017 Collected: 04/17/13 12:40 Received: 04/17/13 17:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
n-Hexane	ND	ug/kg	5.0	1		04/25/13 08:53	110-54-3	N2
2-Hexanone	ND	ug/kg	100	1		04/25/13 08:53	591-78-6	
Iodomethane	ND	ug/kg	100	1		04/25/13 08:53	74-88-4	
Isopropylbenzene (Cumene)	23.3	ug/kg	5.0	1		04/25/13 08:53	98-82-8	
p-Isopropyltoluene	41.9	ug/kg	5.0	1		04/25/13 08:53	99-87-6	
Methylene Chloride	ND	ug/kg	20.1	1		04/25/13 08:53	75-09-2	
1-Methylnaphthalene	82200	ug/kg	8490	1000		04/25/13 16:31	90-12-0	N2
2-Methylnaphthalene	163000	ug/kg	8490	1000		04/25/13 16:31	91-57-6	N2
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	25.1	1		04/25/13 08:53	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.0	1		04/25/13 08:53	1634-04-4	
Naphthalene	47300	ug/kg	4240	1000		04/25/13 16:31	91-20-3	
n-Propylbenzene	89.9	ug/kg	5.0	1		04/25/13 08:53	103-65-1	
Styrene	ND	ug/kg	5.0	1		04/25/13 08:53	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.0	1		04/25/13 08:53	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.0	1		04/25/13 08:53	79-34-5	
Tetrachloroethene	ND	ug/kg	5.0	1		04/25/13 08:53	127-18-4	
Toluene	ND	ug/kg	5.0	1		04/25/13 08:53	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.0	1		04/25/13 08:53	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.0	1		04/25/13 08:53	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.0	1		04/25/13 08:53	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.0	1		04/25/13 08:53	79-00-5	
Trichloroethene	ND	ug/kg	5.0	1		04/25/13 08:53	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.0	1		04/25/13 08:53	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.0	1		04/25/13 08:53	96-18-4	
1,2,4-Trimethylbenzene	174000	ug/kg	4240	1000		04/25/13 16:31	95-63-6	
1,3,5-Trimethylbenzene	73800	ug/kg	4240	1000		04/25/13 16:31	108-67-8	
Vinyl acetate	ND	ug/kg	100	1		04/25/13 08:53	108-05-4	
Vinyl chloride	ND	ug/kg	5.0	1		04/25/13 08:53	75-01-4	
Xylene (Total)	228	ug/kg	10.0	1		04/25/13 08:53	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	106	%.	85-118	1		04/25/13 08:53	1868-53-7	
Toluene-d8 (S)	113	%.	71-128	1		04/25/13 08:53	2037-26-5	
4-Bromofluorobenzene (S)	99	%.	56-144	1		04/25/13 08:53	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	17.2	%	0.10	1		04/22/13 10:15		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Franklin Street Dept/067138.00
Pace Project No.: 5079069

Sample: 18-Dispenser over Excav @4.5' Lab ID: 5079069018 Collected: 04/17/13 14:35 Received: 04/17/13 17:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	5.0	mg/kg	2.1	1	04/19/13 12:42	04/22/13 09:58	7439-92-1	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	90.7	1		04/25/13 09:27	67-64-1	
Acrolein	ND	ug/kg	90.7	1		04/25/13 09:27	107-02-8	
Acrylonitrile	ND	ug/kg	90.7	1		04/25/13 09:27	107-13-1	
Benzene	ND	ug/kg	4.5	1		04/25/13 09:27	71-43-2	
Bromobenzene	ND	ug/kg	4.5	1		04/25/13 09:27	108-86-1	
Bromochloromethane	ND	ug/kg	4.5	1		04/25/13 09:27	74-97-5	
Bromodichloromethane	ND	ug/kg	4.5	1		04/25/13 09:27	75-27-4	
Bromoform	ND	ug/kg	4.5	1		04/25/13 09:27	75-25-2	
Bromomethane	ND	ug/kg	4.5	1		04/25/13 09:27	74-83-9	
2-Butanone (MEK)	ND	ug/kg	22.7	1		04/25/13 09:27	78-93-3	
n-Butylbenzene	ND	ug/kg	4.5	1		04/25/13 09:27	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.5	1		04/25/13 09:27	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.5	1		04/25/13 09:27	98-06-6	
Carbon disulfide	ND	ug/kg	9.1	1		04/25/13 09:27	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.5	1		04/25/13 09:27	56-23-5	
Chlorobenzene	ND	ug/kg	4.5	1		04/25/13 09:27	108-90-7	
Chloroethane	ND	ug/kg	4.5	1		04/25/13 09:27	75-00-3	
Chloroform	ND	ug/kg	4.5	1		04/25/13 09:27	67-66-3	
Chloromethane	ND	ug/kg	4.5	1		04/25/13 09:27	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.5	1		04/25/13 09:27	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.5	1		04/25/13 09:27	106-43-4	
Dibromochloromethane	ND	ug/kg	4.5	1		04/25/13 09:27	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.5	1		04/25/13 09:27	106-93-4	
Dibromomethane	ND	ug/kg	4.5	1		04/25/13 09:27	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.5	1		04/25/13 09:27	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.5	1		04/25/13 09:27	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.5	1		04/25/13 09:27	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	90.7	1		04/25/13 09:27	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	4.5	1		04/25/13 09:27	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.5	1		04/25/13 09:27	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.5	1		04/25/13 09:27	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.5	1		04/25/13 09:27	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.5	1		04/25/13 09:27	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.5	1		04/25/13 09:27	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.5	1		04/25/13 09:27	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.5	1		04/25/13 09:27	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.5	1		04/25/13 09:27	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.5	1		04/25/13 09:27	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.5	1		04/25/13 09:27	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.5	1		04/25/13 09:27	10061-02-6	
Ethylbenzene	ND	ug/kg	4.5	1		04/25/13 09:27	100-41-4	
Ethyl methacrylate	ND	ug/kg	90.7	1		04/25/13 09:27	97-63-2	

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ANALYTICAL RESULTS

Project: Franklin Street Dept/067138.00
Pace Project No.: 5079069

Sample: 18-Dispenser over Excav @4.5' Lab ID: 5079069018 Collected: 04/17/13 14:35 Received: 04/17/13 17:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Hexachloro-1,3-butadiene	ND	ug/kg	4.5	1		04/25/13 09:27	87-68-3	
n-Hexane	ND	ug/kg	4.5	1		04/25/13 09:27	110-54-3	N2
2-Hexanone	ND	ug/kg	90.7	1		04/25/13 09:27	591-78-6	
Iodomethane	ND	ug/kg	90.7	1		04/25/13 09:27	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	4.5	1		04/25/13 09:27	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.5	1		04/25/13 09:27	99-87-6	
Methylene Chloride	ND	ug/kg	18.1	1		04/25/13 09:27	75-09-2	
1-Methylnaphthalene	ND	ug/kg	9.1	1		04/25/13 09:27	90-12-0	N2
2-Methylnaphthalene	15.1	ug/kg	9.1	1		04/25/13 09:27	91-57-6	3d,N2
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	22.7	1		04/25/13 09:27	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.5	1		04/25/13 09:27	1634-04-4	
Naphthalene	ND	ug/kg	4.5	1		04/25/13 09:27	91-20-3	
n-Propylbenzene	ND	ug/kg	4.5	1		04/25/13 09:27	103-65-1	
Styrene	ND	ug/kg	4.5	1		04/25/13 09:27	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.5	1		04/25/13 09:27	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.5	1		04/25/13 09:27	79-34-5	
Tetrachloroethene	ND	ug/kg	4.5	1		04/25/13 09:27	127-18-4	
Toluene	ND	ug/kg	4.5	1		04/25/13 09:27	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.5	1		04/25/13 09:27	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.5	1		04/25/13 09:27	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.5	1		04/25/13 09:27	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.5	1		04/25/13 09:27	79-00-5	
Trichloroethene	ND	ug/kg	4.5	1		04/25/13 09:27	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.5	1		04/25/13 09:27	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.5	1		04/25/13 09:27	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.5	1		04/25/13 09:27	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.5	1		04/25/13 09:27	108-67-8	
Vinyl acetate	ND	ug/kg	90.7	1		04/25/13 09:27	108-05-4	
Vinyl chloride	ND	ug/kg	4.5	1		04/25/13 09:27	75-01-4	
Xylene (Total)	ND	ug/kg	9.1	1		04/25/13 09:27	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	100	%.	85-118	1		04/25/13 09:27	1868-53-7	
Toluene-d8 (S)	103	%.	71-128	1		04/25/13 09:27	2037-26-5	
4-Bromofluorobenzene (S)	97	%.	56-144	1		04/25/13 09:27	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	7.8	%	0.10	1		04/22/13 10:15		

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ANALYTICAL RESULTS

Project: Franklin Street Dept/067138.00
Pace Project No.: 5079069

Sample: 19-Dispenser over Excav WW@3' Lab ID: 5079069019 Collected: 04/17/13 14:50 Received: 04/17/13 17:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	9.7	mg/kg	2.3	1	04/19/13 12:42	04/22/13 10:00	7439-92-1	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	94.6	1		04/25/13 10:01	67-64-1	
Acrolein	ND	ug/kg	94.6	1		04/25/13 10:01	107-02-8	
Acrylonitrile	ND	ug/kg	94.6	1		04/25/13 10:01	107-13-1	
Benzene	ND	ug/kg	4.7	1		04/25/13 10:01	71-43-2	
Bromobenzene	ND	ug/kg	4.7	1		04/25/13 10:01	108-86-1	
Bromochloromethane	ND	ug/kg	4.7	1		04/25/13 10:01	74-97-5	
Bromodichloromethane	ND	ug/kg	4.7	1		04/25/13 10:01	75-27-4	
Bromoform	ND	ug/kg	4.7	1		04/25/13 10:01	75-25-2	
Bromomethane	ND	ug/kg	4.7	1		04/25/13 10:01	74-83-9	
2-Butanone (MEK)	ND	ug/kg	23.7	1		04/25/13 10:01	78-93-3	
n-Butylbenzene	ND	ug/kg	4.7	1		04/25/13 10:01	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.7	1		04/25/13 10:01	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.7	1		04/25/13 10:01	98-06-6	
Carbon disulfide	ND	ug/kg	9.5	1		04/25/13 10:01	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.7	1		04/25/13 10:01	56-23-5	
Chlorobenzene	ND	ug/kg	4.7	1		04/25/13 10:01	108-90-7	
Chloroethane	ND	ug/kg	4.7	1		04/25/13 10:01	75-00-3	
Chloroform	ND	ug/kg	4.7	1		04/25/13 10:01	67-66-3	
Chloromethane	ND	ug/kg	4.7	1		04/25/13 10:01	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.7	1		04/25/13 10:01	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.7	1		04/25/13 10:01	106-43-4	
Dibromochloromethane	ND	ug/kg	4.7	1		04/25/13 10:01	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.7	1		04/25/13 10:01	106-93-4	
Dibromomethane	ND	ug/kg	4.7	1		04/25/13 10:01	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.7	1		04/25/13 10:01	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.7	1		04/25/13 10:01	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.7	1		04/25/13 10:01	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	94.6	1		04/25/13 10:01	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	4.7	1		04/25/13 10:01	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.7	1		04/25/13 10:01	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.7	1		04/25/13 10:01	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.7	1		04/25/13 10:01	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.7	1		04/25/13 10:01	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.7	1		04/25/13 10:01	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.7	1		04/25/13 10:01	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.7	1		04/25/13 10:01	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.7	1		04/25/13 10:01	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.7	1		04/25/13 10:01	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.7	1		04/25/13 10:01	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.7	1		04/25/13 10:01	10061-02-6	
Ethylbenzene	ND	ug/kg	4.7	1		04/25/13 10:01	100-41-4	
Ethyl methacrylate	ND	ug/kg	94.6	1		04/25/13 10:01	97-63-2	

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ANALYTICAL RESULTS

Project: Franklin Street Dept/067138.00
Pace Project No.: 5079069

Sample: 19-Dispenser over Excav WW@3' Lab ID: 5079069019 Collected: 04/17/13 14:50 Received: 04/17/13 17:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Hexachloro-1,3-butadiene	ND	ug/kg	4.7	1		04/25/13 10:01	87-68-3	
n-Hexane	11.6	ug/kg	4.7	1		04/25/13 10:01	110-54-3	N2
2-Hexanone	ND	ug/kg	94.6	1		04/25/13 10:01	591-78-6	
Iodomethane	ND	ug/kg	94.6	1		04/25/13 10:01	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	4.7	1		04/25/13 10:01	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.7	1		04/25/13 10:01	99-87-6	
Methylene Chloride	ND	ug/kg	18.9	1		04/25/13 10:01	75-09-2	
1-Methylnaphthalene	ND	ug/kg	9.5	1		04/25/13 10:01	90-12-0	N2
2-Methylnaphthalene	ND	ug/kg	9.5	1		04/25/13 10:01	91-57-6	N2
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	23.7	1		04/25/13 10:01	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.7	1		04/25/13 10:01	1634-04-4	
Naphthalene	ND	ug/kg	4.7	1		04/25/13 10:01	91-20-3	
n-Propylbenzene	ND	ug/kg	4.7	1		04/25/13 10:01	103-65-1	
Styrene	ND	ug/kg	4.7	1		04/25/13 10:01	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.7	1		04/25/13 10:01	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.7	1		04/25/13 10:01	79-34-5	
Tetrachloroethene	ND	ug/kg	4.7	1		04/25/13 10:01	127-18-4	
Toluene	ND	ug/kg	4.7	1		04/25/13 10:01	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.7	1		04/25/13 10:01	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.7	1		04/25/13 10:01	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.7	1		04/25/13 10:01	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.7	1		04/25/13 10:01	79-00-5	
Trichloroethene	ND	ug/kg	4.7	1		04/25/13 10:01	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.7	1		04/25/13 10:01	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.7	1		04/25/13 10:01	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.7	1		04/25/13 10:01	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.7	1		04/25/13 10:01	108-67-8	
Vinyl acetate	ND	ug/kg	94.6	1		04/25/13 10:01	108-05-4	
Vinyl chloride	ND	ug/kg	4.7	1		04/25/13 10:01	75-01-4	
Xylene (Total)	ND	ug/kg	9.5	1		04/25/13 10:01	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101	%.	85-118	1		04/25/13 10:01	1868-53-7	
Toluene-d8 (S)	104	%.	71-128	1		04/25/13 10:01	2037-26-5	
4-Bromofluorobenzene (S)	99	%.	56-144	1		04/25/13 10:01	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	14.4	%	0.10	1		04/22/13 10:15		

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(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: Franklin Street Dept/067138.00
Pace Project No.: 5079069

Sample: 20-Dispenser over Excav NW @3' Lab ID: 5079069020 Collected: 04/17/13 15:05 Received: 04/17/13 17:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	10.7	mg/kg	2.3	1	04/19/13 12:42	04/22/13 10:02	7439-92-1	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	92.9	1		04/25/13 10:35	67-64-1	
Acrolein	ND	ug/kg	92.9	1		04/25/13 10:35	107-02-8	
Acrylonitrile	ND	ug/kg	92.9	1		04/25/13 10:35	107-13-1	
Benzene	ND	ug/kg	4.6	1		04/25/13 10:35	71-43-2	
Bromobenzene	ND	ug/kg	4.6	1		04/25/13 10:35	108-86-1	
Bromochloromethane	ND	ug/kg	4.6	1		04/25/13 10:35	74-97-5	
Bromodichloromethane	ND	ug/kg	4.6	1		04/25/13 10:35	75-27-4	
Bromoform	ND	ug/kg	4.6	1		04/25/13 10:35	75-25-2	
Bromomethane	ND	ug/kg	4.6	1		04/25/13 10:35	74-83-9	
2-Butanone (MEK)	ND	ug/kg	23.2	1		04/25/13 10:35	78-93-3	
n-Butylbenzene	ND	ug/kg	4.6	1		04/25/13 10:35	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.6	1		04/25/13 10:35	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.6	1		04/25/13 10:35	98-06-6	
Carbon disulfide	ND	ug/kg	9.3	1		04/25/13 10:35	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.6	1		04/25/13 10:35	56-23-5	
Chlorobenzene	ND	ug/kg	4.6	1		04/25/13 10:35	108-90-7	
Chloroethane	ND	ug/kg	4.6	1		04/25/13 10:35	75-00-3	
Chloroform	ND	ug/kg	4.6	1		04/25/13 10:35	67-66-3	
Chloromethane	ND	ug/kg	4.6	1		04/25/13 10:35	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.6	1		04/25/13 10:35	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.6	1		04/25/13 10:35	106-43-4	
Dibromochloromethane	ND	ug/kg	4.6	1		04/25/13 10:35	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.6	1		04/25/13 10:35	106-93-4	
Dibromomethane	ND	ug/kg	4.6	1		04/25/13 10:35	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.6	1		04/25/13 10:35	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.6	1		04/25/13 10:35	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.6	1		04/25/13 10:35	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	92.9	1		04/25/13 10:35	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	4.6	1		04/25/13 10:35	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.6	1		04/25/13 10:35	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.6	1		04/25/13 10:35	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.6	1		04/25/13 10:35	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.6	1		04/25/13 10:35	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.6	1		04/25/13 10:35	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.6	1		04/25/13 10:35	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.6	1		04/25/13 10:35	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.6	1		04/25/13 10:35	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.6	1		04/25/13 10:35	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.6	1		04/25/13 10:35	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.6	1		04/25/13 10:35	10061-02-6	
Ethylbenzene	ND	ug/kg	4.6	1		04/25/13 10:35	100-41-4	
Ethyl methacrylate	ND	ug/kg	92.9	1		04/25/13 10:35	97-63-2	

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ANALYTICAL RESULTS

Project: Franklin Street Dept/067138.00
Pace Project No.: 5079069

Sample: 20-Dispenser over Excav NW @3' Lab ID: 5079069020 Collected: 04/17/13 15:05 Received: 04/17/13 17:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Hexachloro-1,3-butadiene	ND	ug/kg	4.6	1		04/25/13 10:35	87-68-3	
n-Hexane	ND	ug/kg	4.6	1		04/25/13 10:35	110-54-3	N2
2-Hexanone	ND	ug/kg	92.9	1		04/25/13 10:35	591-78-6	
Iodomethane	ND	ug/kg	92.9	1		04/25/13 10:35	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	4.6	1		04/25/13 10:35	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.6	1		04/25/13 10:35	99-87-6	
Methylene Chloride	ND	ug/kg	18.6	1		04/25/13 10:35	75-09-2	
1-Methylnaphthalene	ND	ug/kg	9.3	1		04/25/13 10:35	90-12-0	N2
2-Methylnaphthalene	ND	ug/kg	9.3	1		04/25/13 10:35	91-57-6	N2
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	23.2	1		04/25/13 10:35	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.6	1		04/25/13 10:35	1634-04-4	
Naphthalene	ND	ug/kg	4.6	1		04/25/13 10:35	91-20-3	
n-Propylbenzene	ND	ug/kg	4.6	1		04/25/13 10:35	103-65-1	
Styrene	ND	ug/kg	4.6	1		04/25/13 10:35	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.6	1		04/25/13 10:35	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.6	1		04/25/13 10:35	79-34-5	
Tetrachloroethene	ND	ug/kg	4.6	1		04/25/13 10:35	127-18-4	
Toluene	ND	ug/kg	4.6	1		04/25/13 10:35	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.6	1		04/25/13 10:35	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.6	1		04/25/13 10:35	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.6	1		04/25/13 10:35	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.6	1		04/25/13 10:35	79-00-5	
Trichloroethene	ND	ug/kg	4.6	1		04/25/13 10:35	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.6	1		04/25/13 10:35	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.6	1		04/25/13 10:35	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.6	1		04/25/13 10:35	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.6	1		04/25/13 10:35	108-67-8	
Vinyl acetate	ND	ug/kg	92.9	1		04/25/13 10:35	108-05-4	
Vinyl chloride	ND	ug/kg	4.6	1		04/25/13 10:35	75-01-4	
Xylene (Total)	ND	ug/kg	9.3	1		04/25/13 10:35	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	103	%.	85-118	1		04/25/13 10:35	1868-53-7	
Toluene-d8 (S)	104	%.	71-128	1		04/25/13 10:35	2037-26-5	
4-Bromofluorobenzene (S)	100	%.	56-144	1		04/25/13 10:35	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	13.9	%	0.10	1		04/22/13 12:24		

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ANALYTICAL RESULTS

Project: Franklin Street Dept/067138.00
Pace Project No.: 5079069

Sample: 21-Trip Blank Lab ID: 5079069021 Collected: 04/16/13 08:00 Received: 04/17/13 17:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		04/25/13 11:09	67-64-1	
Acrolein	ND	ug/L	50.0	1		04/25/13 11:09	107-02-8	
Acrylonitrile	ND	ug/L	100	1		04/25/13 11:09	107-13-1	
Benzene	ND	ug/L	5.0	1		04/25/13 11:09	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		04/25/13 11:09	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		04/25/13 11:09	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		04/25/13 11:09	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/25/13 11:09	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/25/13 11:09	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/25/13 11:09	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		04/25/13 11:09	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		04/25/13 11:09	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		04/25/13 11:09	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		04/25/13 11:09	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/25/13 11:09	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/25/13 11:09	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/25/13 11:09	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/25/13 11:09	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/25/13 11:09	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		04/25/13 11:09	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		04/25/13 11:09	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		04/25/13 11:09	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/25/13 11:09	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		04/25/13 11:09	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/25/13 11:09	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/25/13 11:09	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/25/13 11:09	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		04/25/13 11:09	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/25/13 11:09	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/25/13 11:09	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/25/13 11:09	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/25/13 11:09	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		04/25/13 11:09	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/25/13 11:09	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/25/13 11:09	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		04/25/13 11:09	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		04/25/13 11:09	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		04/25/13 11:09	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/25/13 11:09	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/25/13 11:09	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/25/13 11:09	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		04/25/13 11:09	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		04/25/13 11:09	87-68-3	
n-Hexane	ND	ug/L	5.0	1		04/25/13 11:09	110-54-3	N2
2-Hexanone	ND	ug/L	25.0	1		04/25/13 11:09	591-78-6	
Iodomethane	ND	ug/L	10.0	1		04/25/13 11:09	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/25/13 11:09	98-82-8	

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ANALYTICAL RESULTS

Project: Franklin Street Dept/067138.00
Pace Project No.: 5079069

Sample: 21-Trip Blank Lab ID: 5079069021 Collected: 04/16/13 08:00 Received: 04/17/13 17:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 8260							
p-Isopropyltoluene	ND	ug/L	5.0	1		04/25/13 11:09	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		04/25/13 11:09	75-09-2	
1-Methylnaphthalene	ND	ug/L	5.0	1		04/25/13 11:09	90-12-0	N2
2-Methylnaphthalene	ND	ug/L	10.0	1		04/25/13 11:09	91-57-6	N2
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/25/13 11:09	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/25/13 11:09	1634-04-4	
Naphthalene	ND	ug/L	1.4	1		04/25/13 11:09	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		04/25/13 11:09	103-65-1	
Styrene	ND	ug/L	5.0	1		04/25/13 11:09	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		04/25/13 11:09	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/25/13 11:09	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/25/13 11:09	127-18-4	
Toluene	ND	ug/L	5.0	1		04/25/13 11:09	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		04/25/13 11:09	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/25/13 11:09	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/25/13 11:09	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/25/13 11:09	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/25/13 11:09	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/25/13 11:09	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		04/25/13 11:09	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		04/25/13 11:09	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		04/25/13 11:09	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		04/25/13 11:09	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		04/25/13 11:09	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		04/25/13 11:09	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	102	%.	79-116	1		04/25/13 11:09	1868-53-7	
4-Bromofluorobenzene (S)	100	%.	80-114	1		04/25/13 11:09	460-00-4	
Toluene-d8 (S)	104	%.	81-110	1		04/25/13 11:09	2037-26-5	

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QUALITY CONTROL DATA

Project: Franklin Street Dept/067138.00
Pace Project No.: 5079069

QC Batch: MPRP/11085 — Analysis Method: EPA 6010
QC Batch Method: EPA 3050 — Analysis Description: 6010 MET

Associated Lab Samples: 5079069001, 5079069002, 5079069003, 5079069004, 5079069005, 5079069006, 5079069007, 5079069008, 5079069009, 5079069010, 5079069011, 5079069012, 5079069013, 5079069014, 5079069015, 5079069016, 5079069017, 5079069018, 5079069019, 5079069020

METHOD BLANK: 902715 — Matrix: Solid

Associated Lab Samples: 5079069001, 5079069002, 5079069003, 5079069004, 5079069005, 5079069006, 5079069007, 5079069008, 5079069009, 5079069010, 5079069011, 5079069012, 5079069013, 5079069014, 5079069015, 5079069016, 5079069017, 5079069018, 5079069019, 5079069020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	mg/kg	ND	2.0	04/22/13 09:01	

LABORATORY CONTROL SAMPLE: 902716

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/kg	50	45.6	91	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 902717 902718

Parameter	Units	5079069001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	mg/kg	8.1	47.4	47.7	41.3	41.1	70	69	75-125	1	20	M3

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QUALITY CONTROL DATA

Project: Franklin Street Dept/067138.00
Pace Project No.: 5079069

QC Batch: MSV/52488 | Analysis Method: EPA 8260
QC Batch Method: EPA 8260 | Analysis Description: 8260 MSV
Associated Lab Samples: 5079069021

METHOD BLANK: 905090 | Matrix: Water
Associated Lab Samples: 5079069021

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	04/25/13 02:06	
1,1,1-Trichloroethane	ug/L	ND	5.0	04/25/13 02:06	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	04/25/13 02:06	
1,1,2-Trichloroethane	ug/L	ND	5.0	04/25/13 02:06	
1,1-Dichloroethane	ug/L	ND	5.0	04/25/13 02:06	
1,1-Dichloroethene	ug/L	ND	5.0	04/25/13 02:06	
1,1-Dichloropropene	ug/L	ND	5.0	04/25/13 02:06	
1,2,3-Trichlorobenzene	ug/L	ND	5.0	04/25/13 02:06	
1,2,3-Trichloropropane	ug/L	ND	5.0	04/25/13 02:06	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	04/25/13 02:06	
1,2,4-Trimethylbenzene	ug/L	ND	5.0	04/25/13 02:06	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	04/25/13 02:06	
1,2-Dichlorobenzene	ug/L	ND	5.0	04/25/13 02:06	
1,2-Dichloroethane	ug/L	ND	5.0	04/25/13 02:06	
1,2-Dichloropropane	ug/L	ND	5.0	04/25/13 02:06	
1,3,5-Trimethylbenzene	ug/L	ND	5.0	04/25/13 02:06	
1,3-Dichlorobenzene	ug/L	ND	5.0	04/25/13 02:06	
1,3-Dichloropropane	ug/L	ND	5.0	04/25/13 02:06	
1,4-Dichlorobenzene	ug/L	ND	5.0	04/25/13 02:06	
1-Methylnaphthalene	ug/L	ND	5.0	04/25/13 02:06	N2
2,2-Dichloropropane	ug/L	ND	5.0	04/25/13 02:06	
2-Butanone (MEK)	ug/L	ND	25.0	04/25/13 02:06	
2-Chlorotoluene	ug/L	ND	5.0	04/25/13 02:06	
2-Hexanone	ug/L	ND	25.0	04/25/13 02:06	
2-Methylnaphthalene	ug/L	ND	10.0	04/25/13 02:06	N2
4-Chlorotoluene	ug/L	ND	5.0	04/25/13 02:06	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	04/25/13 02:06	
Acetone	ug/L	ND	100	04/25/13 02:06	
Acrolein	ug/L	ND	50.0	04/25/13 02:06	
Acrylonitrile	ug/L	ND	100	04/25/13 02:06	
Benzene	ug/L	ND	5.0	04/25/13 02:06	
Bromobenzene	ug/L	ND	5.0	04/25/13 02:06	
Bromochloromethane	ug/L	ND	5.0	04/25/13 02:06	
Bromodichloromethane	ug/L	ND	5.0	04/25/13 02:06	
Bromoform	ug/L	ND	5.0	04/25/13 02:06	
Bromomethane	ug/L	ND	5.0	04/25/13 02:06	
Carbon disulfide	ug/L	ND	10.0	04/25/13 02:06	
Carbon tetrachloride	ug/L	ND	5.0	04/25/13 02:06	
Chlorobenzene	ug/L	ND	5.0	04/25/13 02:06	
Chloroethane	ug/L	ND	5.0	04/25/13 02:06	
Chloroform	ug/L	ND	5.0	04/25/13 02:06	
Chloromethane	ug/L	ND	5.0	04/25/13 02:06	
cis-1,2-Dichloroethene	ug/L	ND	5.0	04/25/13 02:06	

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QUALITY CONTROL DATA

Project: Franklin Street Dept/067138.00
Pace Project No.: 5079069

METHOD BLANK: 905090 Matrix: Water

Associated Lab Samples: 5079069021

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,3-Dichloropropene	ug/L	ND	5.0	04/25/13 02:06	
Dibromochloromethane	ug/L	ND	5.0	04/25/13 02:06	
Dibromomethane	ug/L	ND	5.0	04/25/13 02:06	
Dichlorodifluoromethane	ug/L	ND	5.0	04/25/13 02:06	
Ethyl methacrylate	ug/L	ND	100	04/25/13 02:06	
Ethylbenzene	ug/L	ND	5.0	04/25/13 02:06	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	04/25/13 02:06	
Iodomethane	ug/L	ND	10.0	04/25/13 02:06	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	04/25/13 02:06	
Methyl-tert-butyl ether	ug/L	ND	4.0	04/25/13 02:06	
Methylene Chloride	ug/L	ND	5.0	04/25/13 02:06	
n-Butylbenzene	ug/L	ND	5.0	04/25/13 02:06	
n-Hexane	ug/L	ND	5.0	04/25/13 02:06	N2
n-Propylbenzene	ug/L	ND	5.0	04/25/13 02:06	
Naphthalene	ug/L	ND	1.4	04/25/13 02:06	
p-Isopropyltoluene	ug/L	ND	5.0	04/25/13 02:06	
sec-Butylbenzene	ug/L	ND	5.0	04/25/13 02:06	
Styrene	ug/L	ND	5.0	04/25/13 02:06	
tert-Butylbenzene	ug/L	ND	5.0	04/25/13 02:06	
Tetrachloroethene	ug/L	ND	5.0	04/25/13 02:06	
Toluene	ug/L	ND	5.0	04/25/13 02:06	
trans-1,2-Dichloroethene	ug/L	ND	5.0	04/25/13 02:06	
trans-1,3-Dichloropropene	ug/L	ND	5.0	04/25/13 02:06	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	04/25/13 02:06	
Trichloroethene	ug/L	ND	5.0	04/25/13 02:06	
Trichlorofluoromethane	ug/L	ND	5.0	04/25/13 02:06	
Vinyl acetate	ug/L	ND	50.0	04/25/13 02:06	
Vinyl chloride	ug/L	ND	2.0	04/25/13 02:06	
Xylene (Total)	ug/L	ND	10.0	04/25/13 02:06	
4-Bromofluorobenzene (S)	%.	98	80-114	04/25/13 02:06	
Dibromofluoromethane (S)	%.	106	79-116	04/25/13 02:06	
Toluene-d8 (S)	%.	103	81-110	04/25/13 02:06	

LABORATORY CONTROL SAMPLE: 905091

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	55.9	112	61-135	
1,1,1-Trichloroethane	ug/L	50	52.0	104	71-129	
1,1,2,2-Tetrachloroethane	ug/L	50	46.5	93	66-126	
1,1,2-Trichloroethane	ug/L	50	54.7	109	77-130	
1,1-Dichloroethane	ug/L	50	49.2	98	75-130	
1,1-Dichloroethene	ug/L	50	53.2	106	68-127	
1,1-Dichloropropene	ug/L	50	57.4	115	78-130	
1,2,3-Trichlorobenzene	ug/L	50	52.0	104	70-130	
1,2,3-Trichloropropane	ug/L	50	51.3	103	58-142	

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QUALITY CONTROL DATA

Project: Franklin Street Dept/067138.00
Pace Project No.: 5079069

LABORATORY CONTROL SAMPLE: 905091

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	55.1	110	68-131	
1,2,4-Trimethylbenzene	ug/L	50	52.1	104	69-127	
1,2-Dibromoethane (EDB)	ug/L	50	53.8	108	76-125	
1,2-Dichlorobenzene	ug/L	50	51.5	103	75-123	
1,2-Dichloroethane	ug/L	50	53.6	107	75-128	
1,2-Dichloropropane	ug/L	50	49.6	99	74-121	
1,3,5-Trimethylbenzene	ug/L	50	51.4	103	70-126	
1,3-Dichlorobenzene	ug/L	50	49.9	100	74-122	
1,3-Dichloropropane	ug/L	50	53.9	108	74-123	
1,4-Dichlorobenzene	ug/L	50	51.2	102	76-120	
2,2-Dichloropropane	ug/L	50	52.9	106	50-137	
2-Butanone (MEK)	ug/L	250	241	96	58-139	
2-Chlorotoluene	ug/L	50	50.1	100	74-122	
2-Hexanone	ug/L	250	261	104	54-140	
2-Methylnaphthalene	ug/L	50	53.9	108	70-130	N2
4-Chlorotoluene	ug/L	50	48.9	98	77-123	
4-Methyl-2-pentanone (MIBK)	ug/L	250	269	108	58-138	
Acetone	ug/L	250	274	110	49-150	
Acrolein	ug/L	1000	1470	147	41-200	
Acrylonitrile	ug/L	1000	1060	106	63-137	
Benzene	ug/L	50	48.6	97	74-122	
Bromobenzene	ug/L	50	49.2	98	72-127	
Bromochloromethane	ug/L	50	45.3	91	63-132	
Bromodichloromethane	ug/L	50	52.8	106	62-136	
Bromoform	ug/L	50	43.1	86	44-134	
Bromomethane	ug/L	50	57.9	116	22-181	
Carbon disulfide	ug/L	100	99.5	99	59-132	
Carbon tetrachloride	ug/L	50	47.3	95	56-137	
Chlorobenzene	ug/L	50	50.2	100	78-123	
Chloroethane	ug/L	50	55.6	111	60-144	
Chloroform	ug/L	50	52.7	105	78-126	
Chloromethane	ug/L	50	49.1	98	42-134	
cis-1,2-Dichloroethene	ug/L	50	50.9	102	75-122	
cis-1,3-Dichloropropene	ug/L	50	51.6	103	64-126	
Dibromochloromethane	ug/L	50	49.8	100	58-128	
Dibromomethane	ug/L	50	49.8	100	73-125	
Dichlorodifluoromethane	ug/L	50	43.7	87	35-181	
Ethyl methacrylate	ug/L	200	208	104	69-133	
Ethylbenzene	ug/L	50	52.0	104	66-133	
Hexachloro-1,3-butadiene	ug/L	50	51.4	103	59-145	
Iodomethane	ug/L	100	99.9	100	21-170	
Isopropylbenzene (Cumene)	ug/L	50	51.8	104	69-124	
Methyl-tert-butyl ether	ug/L	100	106	106	69-122	
Methylene Chloride	ug/L	50	54.9	110	68-132	
n-Butylbenzene	ug/L	50	49.4	99	70-126	
n-Hexane	ug/L	50	51.5	103	51-125	N2
n-Propylbenzene	ug/L	50	49.6	99	71-122	
Naphthalene	ug/L	50	50.6	101	68-127	

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QUALITY CONTROL DATA

Project: Franklin Street Dept/067138.00
Pace Project No.: 5079069

LABORATORY CONTROL SAMPLE: 905091

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
p-Isopropyltoluene	ug/L	50	50.0	100	72-132	
sec-Butylbenzene	ug/L	50	51.2	102	70-128	
Styrene	ug/L	50	52.6	105	74-126	
tert-Butylbenzene	ug/L	50	49.1	98	51-118	
Tetrachloroethene	ug/L	50	53.0	106	69-130	
Toluene	ug/L	50	50.9	102	72-122	
trans-1,2-Dichloroethene	ug/L	50	52.9	106	72-124	
trans-1,3-Dichloropropene	ug/L	50	51.9	104	64-121	
trans-1,4-Dichloro-2-butene	ug/L	200	209	104	56-133	
Trichloroethene	ug/L	50	55.7	111	76-126	
Trichlorofluoromethane	ug/L	50	56.0	112	76-149	
Vinyl acetate	ug/L	200	245	123	70-130	
Vinyl chloride	ug/L	50	50.0	100	59-126	
Xylene (Total)	ug/L	150	152	101	70-124	
4-Bromofluorobenzene (S)	%.			98	80-114	
Dibromofluoromethane (S)	%.			105	79-116	
Toluene-d8 (S)	%.			102	81-110	

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QUALITY CONTROL DATA

Project: Franklin Street Dept/067138.00
Pace Project No.: 5079069

QC Batch: MSV/52451 | Analysis Method: EPA 8260
QC Batch Method: EPA 8260 | Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 5079069001, 5079069002, 5079069003

METHOD BLANK: 904774 | Matrix: Solid
Associated Lab Samples: 5079069001, 5079069002, 5079069003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	04/24/13 11:58	
1,1,1-Trichloroethane	ug/kg	ND	5.0	04/24/13 11:58	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	04/24/13 11:58	
1,1,2-Trichloroethane	ug/kg	ND	5.0	04/24/13 11:58	
1,1-Dichloroethane	ug/kg	ND	5.0	04/24/13 11:58	
1,1-Dichloroethene	ug/kg	ND	5.0	04/24/13 11:58	
1,1-Dichloropropene	ug/kg	ND	5.0	04/24/13 11:58	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	04/24/13 11:58	
1,2,3-Trichloropropane	ug/kg	ND	5.0	04/24/13 11:58	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	04/24/13 11:58	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	04/24/13 11:58	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	04/24/13 11:58	
1,2-Dichlorobenzene	ug/kg	ND	5.0	04/24/13 11:58	
1,2-Dichloroethane	ug/kg	ND	5.0	04/24/13 11:58	
1,2-Dichloropropane	ug/kg	ND	5.0	04/24/13 11:58	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	04/24/13 11:58	
1,3-Dichlorobenzene	ug/kg	ND	5.0	04/24/13 11:58	
1,3-Dichloropropane	ug/kg	ND	5.0	04/24/13 11:58	
1,4-Dichlorobenzene	ug/kg	ND	5.0	04/24/13 11:58	
1-Methylnaphthalene	ug/kg	ND	10.0	04/24/13 11:58	N2
2,2-Dichloropropane	ug/kg	ND	5.0	04/24/13 11:58	
2-Butanone (MEK)	ug/kg	ND	25.0	04/24/13 11:58	
2-Chlorotoluene	ug/kg	ND	5.0	04/24/13 11:58	
2-Hexanone	ug/kg	ND	100	04/24/13 11:58	
2-Methylnaphthalene	ug/kg	ND	10.0	04/24/13 11:58	N2
4-Chlorotoluene	ug/kg	ND	5.0	04/24/13 11:58	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	25.0	04/24/13 11:58	
Acetone	ug/kg	ND	100	04/24/13 11:58	
Acrolein	ug/kg	ND	100	04/24/13 11:58	
Acrylonitrile	ug/kg	ND	100	04/24/13 11:58	
Benzene	ug/kg	ND	5.0	04/24/13 11:58	
Bromobenzene	ug/kg	ND	5.0	04/24/13 11:58	
Bromochloromethane	ug/kg	ND	5.0	04/24/13 11:58	
Bromodichloromethane	ug/kg	ND	5.0	04/24/13 11:58	
Bromoform	ug/kg	ND	5.0	04/24/13 11:58	
Bromomethane	ug/kg	ND	5.0	04/24/13 11:58	
Carbon disulfide	ug/kg	ND	10.0	04/24/13 11:58	
Carbon tetrachloride	ug/kg	ND	5.0	04/24/13 11:58	
Chlorobenzene	ug/kg	ND	5.0	04/24/13 11:58	
Chloroethane	ug/kg	ND	5.0	04/24/13 11:58	
Chloroform	ug/kg	ND	5.0	04/24/13 11:58	
Chloromethane	ug/kg	ND	5.0	04/24/13 11:58	
cis-1,2-Dichloroethene	ug/kg	ND	5.0	04/24/13 11:58	

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QUALITY CONTROL DATA

Project: Franklin Street Dept/067138.00
Pace Project No.: 5079069

METHOD BLANK: 904774 Matrix: Solid

Associated Lab Samples: 5079069001, 5079069002, 5079069003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,3-Dichloropropene	ug/kg	ND	5.0	04/24/13 11:58	
Dibromochloromethane	ug/kg	ND	5.0	04/24/13 11:58	
Dibromomethane	ug/kg	ND	5.0	04/24/13 11:58	
Dichlorodifluoromethane	ug/kg	ND	5.0	04/24/13 11:58	
Ethyl methacrylate	ug/kg	ND	100	04/24/13 11:58	
Ethylbenzene	ug/kg	ND	5.0	04/24/13 11:58	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	04/24/13 11:58	
Iodomethane	ug/kg	ND	100	04/24/13 11:58	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	04/24/13 11:58	
Methyl-tert-butyl ether	ug/kg	ND	5.0	04/24/13 11:58	
Methylene Chloride	ug/kg	ND	20.0	04/24/13 11:58	
n-Butylbenzene	ug/kg	ND	5.0	04/24/13 11:58	
n-Hexane	ug/kg	ND	5.0	04/24/13 11:58	N2
n-Propylbenzene	ug/kg	ND	5.0	04/24/13 11:58	
Naphthalene	ug/kg	ND	5.0	04/24/13 11:58	
p-Isopropyltoluene	ug/kg	ND	5.0	04/24/13 11:58	
sec-Butylbenzene	ug/kg	ND	5.0	04/24/13 11:58	
Styrene	ug/kg	ND	5.0	04/24/13 11:58	
tert-Butylbenzene	ug/kg	ND	5.0	04/24/13 11:58	
Tetrachloroethene	ug/kg	ND	5.0	04/24/13 11:58	
Toluene	ug/kg	ND	5.0	04/24/13 11:58	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	04/24/13 11:58	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	04/24/13 11:58	
trans-1,4-Dichloro-2-butene	ug/kg	ND	100	04/24/13 11:58	
Trichloroethene	ug/kg	ND	5.0	04/24/13 11:58	
Trichlorofluoromethane	ug/kg	ND	5.0	04/24/13 11:58	
Vinyl acetate	ug/kg	ND	100	04/24/13 11:58	
Vinyl chloride	ug/kg	ND	5.0	04/24/13 11:58	
Xylene (Total)	ug/kg	ND	10.0	04/24/13 11:58	
4-Bromofluorobenzene (S)	%.	99	56-144	04/24/13 11:58	
Dibromofluoromethane (S)	%.	102	85-118	04/24/13 11:58	
Toluene-d8 (S)	%.	95	71-128	04/24/13 11:58	

LABORATORY CONTROL SAMPLE: 904775

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	50	38.9	78	62-123	
1,1,1-Trichloroethane	ug/kg	50	37.9	76	70-123	
1,1,2,2-Tetrachloroethane	ug/kg	50	37.2	74	65-124	
1,1,2-Trichloroethane	ug/kg	50	38.2	76	74-129	
1,1-Dichloroethane	ug/kg	50	39.5	79	73-130	
1,1-Dichloroethene	ug/kg	50	40.5	81	66-126	
1,1-Dichloropropene	ug/kg	50	44.0	88	78-125	
1,2,3-Trichlorobenzene	ug/kg	50	42.6	85	66-131	
1,2,3-Trichloropropane	ug/kg	50	39.9	80	44-157	

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QUALITY CONTROL DATA

Project: Franklin Street Dept/067138.00
Pace Project No.: 5079069

LABORATORY CONTROL SAMPLE: 904775

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	50	43.5	87	68-129	
1,2,4-Trimethylbenzene	ug/kg	50	38.4	77	67-126	
1,2-Dibromoethane (EDB)	ug/kg	50	40.8	82	74-120	
1,2-Dichlorobenzene	ug/kg	50	40.3	81	73-122	
1,2-Dichloroethane	ug/kg	50	44.0	88	73-127	
1,2-Dichloropropane	ug/kg	50	41.7	83	75-118	
1,3,5-Trimethylbenzene	ug/kg	50	38.6	77	65-127	
1,3-Dichlorobenzene	ug/kg	50	39.8	80	73-121	
1,3-Dichloropropane	ug/kg	50	41.5	83	72-121	
1,4-Dichlorobenzene	ug/kg	50	39.7	79	75-119	
2,2-Dichloropropane	ug/kg	50	34.8	70	63-122	
2-Butanone (MEK)	ug/kg	250	206	82	59-139	
2-Chlorotoluene	ug/kg	50	38.7	77	72-121	
2-Hexanone	ug/kg	250	203	81	56-139	
2-Methylnaphthalene	ug/kg	50	51.1	102	50-150	N2
4-Chlorotoluene	ug/kg	50	40.0	80	75-123	
4-Methyl-2-pentanone (MIBK)	ug/kg	250	191	77	63-136	
Acetone	ug/kg	250	287	115	46-156	
Acrolein	ug/kg	1000	999	100	47-200	
Acrylonitrile	ug/kg	1000	734	73	67-130	
Benzene	ug/kg	50	38.0	76	74-119	
Bromobenzene	ug/kg	50	39.9	80	69-129	
Bromochloromethane	ug/kg	50	38.5	77	67-129	
Bromodichloromethane	ug/kg	50	39.4	79	68-121	
Bromoform	ug/kg	50	43.8	88	49-124	
Bromomethane	ug/kg	50	39.0	78	44-142	
Carbon disulfide	ug/kg	100	78.8	79	61-129	
Carbon tetrachloride	ug/kg	50	40.6	81	58-127	
Chlorobenzene	ug/kg	50	39.2	78	77-122	
Chloroethane	ug/kg	50	45.2	90	59-141	
Chloroform	ug/kg	50	42.9	86	75-124	
Chloromethane	ug/kg	50	34.4	69	46-133	
cis-1,2-Dichloroethene	ug/kg	50	38.5	77	72-122	
cis-1,3-Dichloropropene	ug/kg	50	40.5	81	68-115	
Dibromochloromethane	ug/kg	50	41.3	83	60-121	
Dibromomethane	ug/kg	50	40.8	82	72-124	
Dichlorodifluoromethane	ug/kg	50	30.2	60	26-186	
Ethyl methacrylate	ug/kg	200	150	75	63-130	
Ethylbenzene	ug/kg	50	39.7	79	72-123	
Hexachloro-1,3-butadiene	ug/kg	50	40.6	81	55-139	
Iodomethane	ug/kg	100	81.8J	82	38-149	
Isopropylbenzene (Cumene)	ug/kg	50	40.3	81	65-123	
Methyl-tert-butyl ether	ug/kg	100	77.2	77	68-120	
Methylene Chloride	ug/kg	50	46.3	93	57-142	
n-Butylbenzene	ug/kg	50	38.6	77	68-125	
n-Hexane	ug/kg	50	35.8	72	57-117	N2
n-Propylbenzene	ug/kg	50	38.6	77	68-122	
Naphthalene	ug/kg	50	41.7	83	67-131	

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QUALITY CONTROL DATA

Project: Franklin Street Dept/067138.00
Pace Project No.: 5079069

LABORATORY CONTROL SAMPLE: 904775

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
p-Isopropyltoluene	ug/kg	50	39.9	80	66-133	
sec-Butylbenzene	ug/kg	50	39.8	80	64-131	
Styrene	ug/kg	50	41.6	83	70-126	
tert-Butylbenzene	ug/kg	50	33.5	67	46-124	
Tetrachloroethene	ug/kg	50	37.9	76	72-126	
Toluene	ug/kg	50	36.8	74	71-121	
trans-1,2-Dichloroethene	ug/kg	50	39.7	79	69-123	
trans-1,3-Dichloropropene	ug/kg	50	40.1	80	66-114	
trans-1,4-Dichloro-2-butene	ug/kg	200	162	81	61-124	
Trichloroethene	ug/kg	50	42.4	85	74-123	
Trichlorofluoromethane	ug/kg	50	46.6	93	72-146	
Vinyl acetate	ug/kg	200	174	87	70-130	
Vinyl chloride	ug/kg	50	31.4	63	55-128	
Xylene (Total)	ug/kg	150	120	80	66-124	
4-Bromofluorobenzene (S)	%.			103	56-144	
Dibromofluoromethane (S)	%.			103	85-118	
Toluene-d8 (S)	%.			97	71-128	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 904776 904777

Parameter	Units	5078808002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/kg	ND	35.3	36.4	14.9	12.1	42	33	10-129	21	20	
1,1,1-Trichloroethane	ug/kg	ND	35.3	36.4	19.6	15.1	55	42	26-143	26	20	
1,1,2,2-Tetrachloroethane	ug/kg	ND	35.3	36.4	16.4	14.7	46	40	10-156	11	20	
1,1,2-Trichloroethane	ug/kg	ND	35.3	36.4	19.8	18.1	56	50	13-156	9	20	
1,1-Dichloroethane	ug/kg	ND	35.3	36.4	22.1	15.2	63	42	36-150	37	20	
1,1-Dichloroethene	ug/kg	ND	35.3	36.4	23.3	17.5	66	48	31-146	29	20	
1,1-Dichloropropene	ug/kg	ND	35.3	36.4	20.3	15.1	57	41	26-145	30	20	
1,2,3-Trichlorobenzene	ug/kg	ND	35.3	36.4	4.0	3.3J	11	9	10-119		20	
1,2,3-Trichloropropane	ug/kg	ND	35.3	36.4	19.8	18.0	56	50	10-168	9	20	
1,2,4-Trichlorobenzene	ug/kg	ND	35.3	36.4	4.1	3.2J	12	9	10-122		20	
1,2,4-Trimethylbenzene	ug/kg	ND	35.3	36.4	7.2	5.4	20	15	10-139	29	20	
1,2-Dibromoethane (EDB)	ug/kg	ND	35.3	36.4	20.0	18.5	57	51	15-136	8	20	
1,2-Dichlorobenzene	ug/kg	ND	35.3	36.4	7.3	5.7	21	16	10-132	24	20	
1,2-Dichloroethane	ug/kg	ND	35.3	36.4	24.5	22.5	69	62	30-140	9	20	
1,2-Dichloropropane	ug/kg	ND	35.3	36.4	21.6	17.9	61	49	29-135	18	20	
1,3,5-Trimethylbenzene	ug/kg	ND	35.3	36.4	7.9	5.7	22	16	10-143	31	20	
1,3-Dichlorobenzene	ug/kg	ND	35.3	36.4	6.7	5.2	19	14	10-130	26	20	
1,3-Dichloropropane	ug/kg	ND	35.3	36.4	21.6	19.5	61	54	17-139	10	20	
1,4-Dichlorobenzene	ug/kg	ND	35.3	36.4	6.6	5.2	19	14	10-128	23	20	
2,2-Dichloropropane	ug/kg	ND	35.3	36.4	17.5	14.5	49	40	29-136	19	20	
2-Butanone (MEK)	ug/kg	ND	177	182	153	157	86	86	22-176	3	20	
2-Chlorotoluene	ug/kg	ND	35.3	36.4	8.4	6.0	24	17	10-146	32	20	
2-Hexanone	ug/kg	ND	177	182	134	134	76	73	12-165	0	20	
4-Chlorotoluene	ug/kg	ND	35.3	36.4	7.6	5.8	21	16	10-138	27	20	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	177	182	128	128	72	70	22-155	0	20	

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QUALITY CONTROL DATA

Project: Franklin Street Dept/067138.00
Pace Project No.: 5079069

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 904776 904777

Parameter	Units	5078808002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Acetone	ug/kg	ND	177	182	235	246	133	135	11-200	4	20	
Acrolein	ug/kg	ND	708	728	406	439	57	60	10-200	8	20	
Acrylonitrile	ug/kg	ND	708	728	523	428	74	59	20-150	20	20	
Benzene	ug/kg	ND	35.3	36.4	18.4	14.0	52	38	27-140	27	20	
Bromobenzene	ug/kg	ND	35.3	36.4	10.4	8.1	30	22	10-133	25	20	
Bromochloromethane	ug/kg	ND	35.3	36.4	25.6	23.2	72	64	28-142	9	20	
Bromodichloromethane	ug/kg	ND	35.3	36.4	19.0	16.7	54	46	13-139	13	20	
Bromoform	ug/kg	ND	35.3	36.4	19.0	17.4	54	48	10-122	8	20	
Bromomethane	ug/kg	ND	35.3	36.4	33.4	28.6	94	79	10-154	15	20	
Carbon disulfide	ug/kg	ND	70.8	72.8	41.2	30.0	58	41	20-142	32	20	
Carbon tetrachloride	ug/kg	ND	35.3	36.4	19.9	15.3	56	42	19-135	26	20	
Chlorobenzene	ug/kg	ND	35.3	36.4	12.3	9.3	35	26	10-136	28	20	
Chloroethane	ug/kg	ND	35.3	36.4	27.7	21.7	78	60	24-161	24	20	
Chloroform	ug/kg	ND	35.3	36.4	22.2	18.5	63	51	36-138	19	20	
Chloromethane	ug/kg	ND	35.3	36.4	17.1	16.0	48	44	28-143	7	20	
cis-1,2-Dichloroethene	ug/kg	ND	35.3	36.4	19.9	16.0	56	44	29-136	22	20	
cis-1,3-Dichloropropene	ug/kg	ND	35.3	36.4	16.8	14.4	47	40	10-130	15	20	
Dibromochloromethane	ug/kg	ND	35.3	36.4	19.4	17.1	55	47	10-124	13	20	
Dibromomethane	ug/kg	ND	35.3	36.4	22.1	20.3	62	56	24-136	9	20	
Dichlorodifluoromethane	ug/kg	ND	35.3	36.4	29.9	21.9	85	60	15-187	31	20	
Ethyl methacrylate	ug/kg	ND	141	146	82.2	78.4	58	54	10-147	5	20	
Ethylbenzene	ug/kg	ND	35.3	36.4	11.9	8.5	34	23	10-144	34	20	
Hexachloro-1,3-butadiene	ug/kg	ND	35.3	36.4	4.4	3.7	13	10	10-136	19	20	
Iodomethane	ug/kg	ND	70.8	72.8	70.6J	52.1J	100	71	10-155		20	
Isopropylbenzene (Cumene)	ug/kg	ND	35.3	36.4	10.3	7.5	29	20	10-134	32	20	
Methyl-tert-butyl ether	ug/kg	ND	70.8	72.8	51.6	45.5	73	63	30-147	12	20	
Methylene Chloride	ug/kg	ND	35.3	36.4	21.6	18.3	61	50	23-150	16	20	
n-Butylbenzene	ug/kg	ND	35.3	36.4	5.0	3.8	14	11	10-141	26	20	
n-Hexane	ug/kg	ND	35.3	36.4	21.4	13.0	60	36	10-140	49	20	N2
n-Propylbenzene	ug/kg	ND	35.3	36.4	7.8	5.6	22	15	10-143	32	20	
Naphthalene	ug/kg	ND	35.3	36.4	6.7	5.8	19	16	10-130	15	20	
p-Isopropyltoluene	ug/kg	ND	35.3	36.4	6.4	4.8	18	13	10-146	29	20	
sec-Butylbenzene	ug/kg	ND	35.3	36.4	7.6	5.6	21	15	10-150	31	20	
Styrene	ug/kg	ND	35.3	36.4	10.9	8.4	31	23	10-138	27	20	
tert-Butylbenzene	ug/kg	ND	35.3	36.4	7.5	5.5	21	15	10-135	31	20	
Tetrachloroethene	ug/kg	3400	35.3	36.4	542	616	-8070	-7640	10-153	13	20	M0
Toluene	ug/kg	ND	35.3	36.4	14.4	10.8	41	30	10-140	28	20	
trans-1,2-Dichloroethene	ug/kg	ND	35.3	36.4	20.3	12.7	57	35	28-139	46	20	
trans-1,3-Dichloropropene	ug/kg	ND	35.3	36.4	16.5	15.2	47	42	10-126	9	20	
trans-1,4-Dichloro-2-butene	ug/kg	ND	141	146	64.1J	62J	45	43	10-132		20	
Trichloroethene	ug/kg	ND	35.3	36.4	19.5	14.6	55	40	17-148	29	20	
Trichlorofluoromethane	ug/kg	ND	35.3	36.4	31.5	24.5	89	67	31-177	25	20	
Vinyl acetate	ug/kg	ND	141	146	ND	ND	21	4	70-130		20	M0
Vinyl chloride	ug/kg	ND	35.3	36.4	20.5	14.9	58	41	30-145	31	20	2d
Xylene (Total)	ug/kg	ND	106	109	33.4	24.7	31	23	10-143	30	20	
4-Bromofluorobenzene (S)	%.						102	103	56-144		20	
Dibromofluoromethane (S)	%.						104	104	85-118		20	

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QUALITY CONTROL DATA

Project: Franklin Street Dept/067138.00
Pace Project No.: 5079069

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 904776 904777

Parameter	Units	5078808002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Toluene-d8 (S)	%.						95	93	71-128		20	

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QUALITY CONTROL DATA

Project: Franklin Street Dept/067138.00
Pace Project No.: 5079069

QC Batch: MSV/52486 | Analysis Method: EPA 8260
QC Batch Method: EPA 8260 | Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 5079069004, 5079069005, 5079069006, 5079069007

METHOD BLANK: 905084 | Matrix: Solid
Associated Lab Samples: 5079069004, 5079069005, 5079069006, 5079069007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	04/24/13 16:33	
1,1,1-Trichloroethane	ug/kg	ND	5.0	04/24/13 16:33	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	04/24/13 16:33	
1,1,2-Trichloroethane	ug/kg	ND	5.0	04/24/13 16:33	
1,1-Dichloroethane	ug/kg	ND	5.0	04/24/13 16:33	
1,1-Dichloroethene	ug/kg	ND	5.0	04/24/13 16:33	
1,1-Dichloropropene	ug/kg	ND	5.0	04/24/13 16:33	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	04/24/13 16:33	
1,2,3-Trichloropropane	ug/kg	ND	5.0	04/24/13 16:33	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	04/24/13 16:33	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	04/24/13 16:33	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	04/24/13 16:33	
1,2-Dichlorobenzene	ug/kg	ND	5.0	04/24/13 16:33	
1,2-Dichloroethane	ug/kg	ND	5.0	04/24/13 16:33	
1,2-Dichloropropane	ug/kg	ND	5.0	04/24/13 16:33	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	04/24/13 16:33	
1,3-Dichlorobenzene	ug/kg	ND	5.0	04/24/13 16:33	
1,3-Dichloropropane	ug/kg	ND	5.0	04/24/13 16:33	
1,4-Dichlorobenzene	ug/kg	ND	5.0	04/24/13 16:33	
1-Methylnaphthalene	ug/kg	ND	10.0	04/24/13 16:33	N2
2,2-Dichloropropane	ug/kg	ND	5.0	04/24/13 16:33	
2-Butanone (MEK)	ug/kg	ND	25.0	04/24/13 16:33	
2-Chlorotoluene	ug/kg	ND	5.0	04/24/13 16:33	
2-Hexanone	ug/kg	ND	100	04/24/13 16:33	
2-Methylnaphthalene	ug/kg	ND	10.0	04/24/13 16:33	N2
4-Chlorotoluene	ug/kg	ND	5.0	04/24/13 16:33	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	25.0	04/24/13 16:33	
Acetone	ug/kg	ND	100	04/24/13 16:33	
Acrolein	ug/kg	ND	100	04/24/13 16:33	
Acrylonitrile	ug/kg	ND	100	04/24/13 16:33	
Benzene	ug/kg	ND	5.0	04/24/13 16:33	
Bromobenzene	ug/kg	ND	5.0	04/24/13 16:33	
Bromochloromethane	ug/kg	ND	5.0	04/24/13 16:33	
Bromodichloromethane	ug/kg	ND	5.0	04/24/13 16:33	
Bromoform	ug/kg	ND	5.0	04/24/13 16:33	
Bromomethane	ug/kg	ND	5.0	04/24/13 16:33	
Carbon disulfide	ug/kg	ND	10.0	04/24/13 16:33	
Carbon tetrachloride	ug/kg	ND	5.0	04/24/13 16:33	
Chlorobenzene	ug/kg	ND	5.0	04/24/13 16:33	
Chloroethane	ug/kg	ND	5.0	04/24/13 16:33	
Chloroform	ug/kg	ND	5.0	04/24/13 16:33	
Chloromethane	ug/kg	ND	5.0	04/24/13 16:33	
cis-1,2-Dichloroethene	ug/kg	ND	5.0	04/24/13 16:33	

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QUALITY CONTROL DATA

Project: Franklin Street Dept/067138.00
Pace Project No.: 5079069

METHOD BLANK: 905084 Matrix: Solid

Associated Lab Samples: 5079069004, 5079069005, 5079069006, 5079069007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,3-Dichloropropene	ug/kg	ND	5.0	04/24/13 16:33	
Dibromochloromethane	ug/kg	ND	5.0	04/24/13 16:33	
Dibromomethane	ug/kg	ND	5.0	04/24/13 16:33	
Dichlorodifluoromethane	ug/kg	ND	5.0	04/24/13 16:33	
Ethyl methacrylate	ug/kg	ND	100	04/24/13 16:33	
Ethylbenzene	ug/kg	ND	5.0	04/24/13 16:33	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	04/24/13 16:33	
Iodomethane	ug/kg	ND	100	04/24/13 16:33	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	04/24/13 16:33	
Methyl-tert-butyl ether	ug/kg	ND	5.0	04/24/13 16:33	
Methylene Chloride	ug/kg	ND	20.0	04/24/13 16:33	
n-Butylbenzene	ug/kg	ND	5.0	04/24/13 16:33	
n-Hexane	ug/kg	ND	5.0	04/24/13 16:33	N2
n-Propylbenzene	ug/kg	ND	5.0	04/24/13 16:33	
Naphthalene	ug/kg	ND	5.0	04/24/13 16:33	
p-Isopropyltoluene	ug/kg	ND	5.0	04/24/13 16:33	
sec-Butylbenzene	ug/kg	ND	5.0	04/24/13 16:33	
Styrene	ug/kg	ND	5.0	04/24/13 16:33	
tert-Butylbenzene	ug/kg	ND	5.0	04/24/13 16:33	
Tetrachloroethene	ug/kg	ND	5.0	04/24/13 16:33	
Toluene	ug/kg	ND	5.0	04/24/13 16:33	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	04/24/13 16:33	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	04/24/13 16:33	
trans-1,4-Dichloro-2-butene	ug/kg	ND	100	04/24/13 16:33	
Trichloroethene	ug/kg	ND	5.0	04/24/13 16:33	
Trichlorofluoromethane	ug/kg	ND	5.0	04/24/13 16:33	
Vinyl acetate	ug/kg	ND	100	04/24/13 16:33	
Vinyl chloride	ug/kg	ND	5.0	04/24/13 16:33	
Xylene (Total)	ug/kg	ND	10.0	04/24/13 16:33	
4-Bromofluorobenzene (S)	%.	99	56-144	04/24/13 16:33	
Dibromofluoromethane (S)	%.	111	85-118	04/24/13 16:33	
Toluene-d8 (S)	%.	100	71-128	04/24/13 16:33	

LABORATORY CONTROL SAMPLE: 905085

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	50	57.0	114	62-123	
1,1,1-Trichloroethane	ug/kg	50	55.5	111	70-123	
1,1,2,2-Tetrachloroethane	ug/kg	50	43.9	88	65-124	
1,1,2-Trichloroethane	ug/kg	50	53.3	107	74-129	
1,1-Dichloroethane	ug/kg	50	46.5	93	73-130	
1,1-Dichloroethene	ug/kg	50	54.9	110	66-126	
1,1-Dichloropropene	ug/kg	50	59.0	118	78-125	
1,2,3-Trichlorobenzene	ug/kg	50	53.4	107	66-131	
1,2,3-Trichloropropane	ug/kg	50	54.2	108	44-157	

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QUALITY CONTROL DATA

Project: Franklin Street Dept/067138.00
Pace Project No.: 5079069

LABORATORY CONTROL SAMPLE: 905085

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	50	56.7	113	68-129	
1,2,4-Trimethylbenzene	ug/kg	50	52.0	104	67-126	
1,2-Dibromoethane (EDB)	ug/kg	50	52.2	104	74-120	
1,2-Dichlorobenzene	ug/kg	50	51.2	102	73-122	
1,2-Dichloroethane	ug/kg	50	58.3	117	73-127	
1,2-Dichloropropane	ug/kg	50	47.6	95	75-118	
1,3,5-Trimethylbenzene	ug/kg	50	51.9	104	65-127	
1,3-Dichlorobenzene	ug/kg	50	50.3	101	73-121	
1,3-Dichloropropane	ug/kg	50	53.5	107	72-121	
1,4-Dichlorobenzene	ug/kg	50	52.6	105	75-119	
1-Methylnaphthalene	ug/kg		ND			N2
2,2-Dichloropropane	ug/kg	50	54.9	110	63-122	
2-Butanone (MEK)	ug/kg	250	241	96	59-139	
2-Chlorotoluene	ug/kg	50	50.3	101	72-121	
2-Hexanone	ug/kg	250	249	100	56-139	
2-Methylnaphthalene	ug/kg	50	49.8	100	50-150	N2
4-Chlorotoluene	ug/kg	50	49.1	98	75-123	
4-Methyl-2-pentanone (MIBK)	ug/kg	250	256	102	63-136	
Acetone	ug/kg	250	310	124	46-156	
Acrolein	ug/kg	1000	1480	148	47-200	
Acrylonitrile	ug/kg	1000	1050	105	67-130	
Benzene	ug/kg	50	49.0	98	74-119	
Bromobenzene	ug/kg	50	49.6	99	69-129	
Bromochloromethane	ug/kg	50	47.1	94	67-129	
Bromodichloromethane	ug/kg	50	56.6	113	68-121	
Bromoform	ug/kg	50	41.5	83	49-124	
Bromomethane	ug/kg	50	54.1	108	44-142	
Carbon disulfide	ug/kg	100	103	103	61-129	
Carbon tetrachloride	ug/kg	50	50.2	100	58-127	
Chlorobenzene	ug/kg	50	50.6	101	77-122	
Chloroethane	ug/kg	50	57.5	115	59-141	
Chloroform	ug/kg	50	55.5	111	75-124	
Chloromethane	ug/kg	50	49.8	100	46-133	
cis-1,2-Dichloroethene	ug/kg	50	50.4	101	72-122	
cis-1,3-Dichloropropene	ug/kg	50	49.8	100	68-115	
Dibromochloromethane	ug/kg	50	49.7	99	60-121	
Dibromomethane	ug/kg	50	50.8	102	72-124	
Dichlorodifluoromethane	ug/kg	50	51.1	102	26-186	
Ethyl methacrylate	ug/kg	200	195	98	63-130	
Ethylbenzene	ug/kg	50	51.5	103	72-123	
Hexachloro-1,3-butadiene	ug/kg	50	54.3	109	55-139	
Iodomethane	ug/kg	100	101	101	38-149	
Isopropylbenzene (Cumene)	ug/kg	50	52.9	106	65-123	
Methyl-tert-butyl ether	ug/kg	100	110	110	68-120	
Methylene Chloride	ug/kg	50	62.1	124	57-142	
n-Butylbenzene	ug/kg	50	51.1	102	68-125	
n-Hexane	ug/kg	50	52.7	105	57-117	N2
n-Propylbenzene	ug/kg	50	50.0	100	68-122	

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QUALITY CONTROL DATA

Project: Franklin Street Dept/067138.00
Pace Project No.: 5079069

LABORATORY CONTROL SAMPLE: 905085

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Naphthalene	ug/kg	50	48.4	97	67-131	
p-Isopropyltoluene	ug/kg	50	51.3	103	66-133	
sec-Butylbenzene	ug/kg	50	51.9	104	64-131	
Styrene	ug/kg	50	53.4	107	70-126	
tert-Butylbenzene	ug/kg	50	48.9	98	46-124	
Tetrachloroethene	ug/kg	50	54.1	108	72-126	
Toluene	ug/kg	50	49.6	99	71-121	
trans-1,2-Dichloroethene	ug/kg	50	55.4	111	69-123	
trans-1,3-Dichloropropene	ug/kg	50	50.7	101	66-114	
trans-1,4-Dichloro-2-butene	ug/kg	200	216	108	61-124	
Trichloroethene	ug/kg	50	56.2	112	74-123	
Trichlorofluoromethane	ug/kg	50	62.9	126	72-146	
Vinyl acetate	ug/kg	200	215	107	70-130	
Vinyl chloride	ug/kg	50	51.3	103	55-128	
Xylene (Total)	ug/kg	150	154	103	66-124	
4-Bromofluorobenzene (S)	%.			99	56-144	
Dibromofluoromethane (S)	%.			110	85-118	
Toluene-d8 (S)	%.			100	71-128	

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QUALITY CONTROL DATA

Project: Franklin Street Dept/067138.00
Pace Project No.: 5079069

QC Batch: MSV/52487 — Analysis Method: EPA 8260
QC Batch Method: EPA 8260 — Analysis Description: 8260 MSV 5035A Volatile Organics

Associated Lab Samples: 5079069008, 5079069009, 5079069010, 5079069011, 5079069012, 5079069013, 5079069014, 5079069015, 5079069017, 5079069018, 5079069019, 5079069020

METHOD BLANK: 906086 — Matrix: Solid

Associated Lab Samples: 5079069008, 5079069009, 5079069010, 5079069011, 5079069012, 5079069013, 5079069014, 5079069015, 5079069017, 5079069018, 5079069019, 5079069020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	04/25/13 02:06	
1,1,1-Trichloroethane	ug/kg	ND	5.0	04/25/13 02:06	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	04/25/13 02:06	
1,1,2-Trichloroethane	ug/kg	ND	5.0	04/25/13 02:06	
1,1-Dichloroethane	ug/kg	ND	5.0	04/25/13 02:06	
1,1-Dichloroethene	ug/kg	ND	5.0	04/25/13 02:06	
1,1-Dichloropropene	ug/kg	ND	5.0	04/25/13 02:06	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	04/25/13 02:06	
1,2,3-Trichloropropane	ug/kg	ND	5.0	04/25/13 02:06	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	04/25/13 02:06	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	04/25/13 02:06	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	04/25/13 02:06	
1,2-Dichlorobenzene	ug/kg	ND	5.0	04/25/13 02:06	
1,2-Dichloroethane	ug/kg	ND	5.0	04/25/13 02:06	
1,2-Dichloropropane	ug/kg	ND	5.0	04/25/13 02:06	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	04/25/13 02:06	
1,3-Dichlorobenzene	ug/kg	ND	5.0	04/25/13 02:06	
1,3-Dichloropropane	ug/kg	ND	5.0	04/25/13 02:06	
1,4-Dichlorobenzene	ug/kg	ND	5.0	04/25/13 02:06	
1-Methylnaphthalene	ug/kg	ND	10.0	04/25/13 02:06	N2
2,2-Dichloropropane	ug/kg	ND	5.0	04/25/13 02:06	
2-Butanone (MEK)	ug/kg	ND	25.0	04/25/13 02:06	
2-Chlorotoluene	ug/kg	ND	5.0	04/25/13 02:06	
2-Hexanone	ug/kg	ND	100	04/25/13 02:06	
2-Methylnaphthalene	ug/kg	ND	10.0	04/25/13 02:06	N2
4-Chlorotoluene	ug/kg	ND	5.0	04/25/13 02:06	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	25.0	04/25/13 02:06	
Acetone	ug/kg	ND	100	04/25/13 02:06	
Acrolein	ug/kg	ND	100	04/25/13 02:06	
Acrylonitrile	ug/kg	ND	100	04/25/13 02:06	
Benzene	ug/kg	ND	5.0	04/25/13 02:06	
Bromobenzene	ug/kg	ND	5.0	04/25/13 02:06	
Bromochloromethane	ug/kg	ND	5.0	04/25/13 02:06	
Bromodichloromethane	ug/kg	ND	5.0	04/25/13 02:06	
Bromoform	ug/kg	ND	5.0	04/25/13 02:06	
Bromomethane	ug/kg	ND	5.0	04/25/13 02:06	
Carbon disulfide	ug/kg	ND	10.0	04/25/13 02:06	
Carbon tetrachloride	ug/kg	ND	5.0	04/25/13 02:06	
Chlorobenzene	ug/kg	ND	5.0	04/25/13 02:06	
Chloroethane	ug/kg	ND	5.0	04/25/13 02:06	
Chloroform	ug/kg	ND	5.0	04/25/13 02:06	

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QUALITY CONTROL DATA

Project: Franklin Street Dept/067138.00
Pace Project No.: 5079069

METHOD BLANK: 905086 Matrix: Solid

Associated Lab Samples: 5079069008, 5079069009, 5079069010, 5079069011, 5079069012, 5079069013, 5079069014, 5079069015, 5079069017, 5079069018, 5079069019, 5079069020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloromethane	ug/kg	ND	5.0	04/25/13 02:06	
cis-1,2-Dichloroethene	ug/kg	ND	5.0	04/25/13 02:06	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	04/25/13 02:06	
Dibromochloromethane	ug/kg	ND	5.0	04/25/13 02:06	
Dibromomethane	ug/kg	ND	5.0	04/25/13 02:06	
Dichlorodifluoromethane	ug/kg	ND	5.0	04/25/13 02:06	
Ethyl methacrylate	ug/kg	ND	100	04/25/13 02:06	
Ethylbenzene	ug/kg	ND	5.0	04/25/13 02:06	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	04/25/13 02:06	
Iodomethane	ug/kg	ND	100	04/25/13 02:06	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	04/25/13 02:06	
Methyl-tert-butyl ether	ug/kg	ND	5.0	04/25/13 02:06	
Methylene Chloride	ug/kg	ND	20.0	04/25/13 02:06	
n-Butylbenzene	ug/kg	ND	5.0	04/25/13 02:06	
n-Hexane	ug/kg	ND	5.0	04/25/13 02:06	N2
n-Propylbenzene	ug/kg	ND	5.0	04/25/13 02:06	
Naphthalene	ug/kg	ND	5.0	04/25/13 02:06	
p-Isopropyltoluene	ug/kg	ND	5.0	04/25/13 02:06	
sec-Butylbenzene	ug/kg	ND	5.0	04/25/13 02:06	
Styrene	ug/kg	ND	5.0	04/25/13 02:06	
tert-Butylbenzene	ug/kg	ND	5.0	04/25/13 02:06	
Tetrachloroethene	ug/kg	ND	5.0	04/25/13 02:06	
Toluene	ug/kg	ND	5.0	04/25/13 02:06	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	04/25/13 02:06	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	04/25/13 02:06	
trans-1,4-Dichloro-2-butene	ug/kg	ND	100	04/25/13 02:06	
Trichloroethene	ug/kg	ND	5.0	04/25/13 02:06	
Trichlorofluoromethane	ug/kg	ND	5.0	04/25/13 02:06	
Vinyl acetate	ug/kg	ND	100	04/25/13 02:06	
Vinyl chloride	ug/kg	ND	5.0	04/25/13 02:06	
Xylene (Total)	ug/kg	ND	10.0	04/25/13 02:06	
4-Bromofluorobenzene (S)	%.	98	56-144	04/25/13 02:06	
Dibromofluoromethane (S)	%.	106	85-118	04/25/13 02:06	
Toluene-d8 (S)	%.	103	71-128	04/25/13 02:06	

LABORATORY CONTROL SAMPLE: 905087

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	50	55.9	112	62-123	
1,1,1-Trichloroethane	ug/kg	50	52.0	104	70-123	
1,1,2,2-Tetrachloroethane	ug/kg	50	46.5	93	65-124	
1,1,2-Trichloroethane	ug/kg	50	54.7	109	74-129	
1,1-Dichloroethane	ug/kg	50	49.2	98	73-130	
1,1-Dichloroethene	ug/kg	50	53.2	106	66-126	

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QUALITY CONTROL DATA

Project: Franklin Street Dept/067138.00
Pace Project No.: 5079069

LABORATORY CONTROL SAMPLE: 905087

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloropropene	ug/kg	50	57.4	115	78-125	
1,2,3-Trichlorobenzene	ug/kg	50	52.0	104	66-131	
1,2,3-Trichloropropane	ug/kg	50	51.3	103	44-157	
1,2,4-Trichlorobenzene	ug/kg	50	55.1	110	68-129	
1,2,4-Trimethylbenzene	ug/kg	50	52.1	104	67-126	
1,2-Dibromoethane (EDB)	ug/kg	50	53.8	108	74-120	
1,2-Dichlorobenzene	ug/kg	50	51.5	103	73-122	
1,2-Dichloroethane	ug/kg	50	53.6	107	73-127	
1,2-Dichloropropane	ug/kg	50	49.6	99	75-118	
1,3,5-Trimethylbenzene	ug/kg	50	51.4	103	65-127	
1,3-Dichlorobenzene	ug/kg	50	49.9	100	73-121	
1,3-Dichloropropane	ug/kg	50	53.9	108	72-121	
1,4-Dichlorobenzene	ug/kg	50	51.2	102	75-119	
2,2-Dichloropropane	ug/kg	50	52.9	106	63-122	
2-Butanone (MEK)	ug/kg	250	241	96	59-139	
2-Chlorotoluene	ug/kg	50	50.1	100	72-121	
2-Hexanone	ug/kg	250	261	104	56-139	
2-Methylnaphthalene	ug/kg	50	53.9	108	50-150	N2
4-Chlorotoluene	ug/kg	50	48.9	98	75-123	
4-Methyl-2-pentanone (MIBK)	ug/kg	250	269	108	63-138	
Acetone	ug/kg	250	274	110	46-156	
Acrolein	ug/kg	1000	1470	147	47-200	
Acrylonitrile	ug/kg	1000	1060	106	67-130	
Benzene	ug/kg	50	48.6	97	74-119	
Bromobenzene	ug/kg	50	49.2	98	69-129	
Bromochloromethane	ug/kg	50	45.3	91	67-129	
Bromodichloromethane	ug/kg	50	52.8	106	68-121	
Bromoform	ug/kg	50	43.1	86	49-124	
Bromomethane	ug/kg	50	57.9	116	44-142	
Carbon disulfide	ug/kg	100	99.5	99	61-129	
Carbon tetrachloride	ug/kg	50	47.3	95	58-127	
Chlorobenzene	ug/kg	50	50.2	100	77-122	
Chloroethane	ug/kg	50	55.6	111	59-141	
Chloroform	ug/kg	50	52.7	105	75-124	
Chloromethane	ug/kg	50	49.1	98	46-133	
cis-1,2-Dichloroethene	ug/kg	50	50.9	102	72-122	
cis-1,3-Dichloropropene	ug/kg	50	51.6	103	68-115	
Dibromochloromethane	ug/kg	50	49.8	100	60-121	
Dibromomethane	ug/kg	50	49.8	100	72-124	
Dichlorodifluoromethane	ug/kg	50	43.7	87	26-186	
Ethyl methacrylate	ug/kg	200	208	104	63-130	
Ethylbenzene	ug/kg	50	52.0	104	72-123	
Hexachloro-1,3-butadiene	ug/kg	50	51.4	103	55-139	
Iodomethane	ug/kg	100	99.9J	100	38-149	
Isopropylbenzene (Cumene)	ug/kg	50	51.8	104	65-123	
Methyl-tert-butyl ether	ug/kg	100	106	106	68-120	
Methylene Chloride	ug/kg	50	54.9	110	57-142	
n-Butylbenzene	ug/kg	50	49.4	99	68-125	

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QUALITY CONTROL DATA

Project: Franklin Street Dept/067138.00
Pace Project No.: 5079069

LABORATORY CONTROL SAMPLE: 905087

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
n-Hexane	ug/kg	50	51.5	103	57-117	N2
n-Propylbenzene	ug/kg	50	49.6	99	68-122	
Naphthalene	ug/kg	50	50.6	101	67-131	
p-Isopropyltoluene	ug/kg	50	50.0	100	66-133	
sec-Butylbenzene	ug/kg	50	51.2	102	64-131	
Styrene	ug/kg	50	52.6	105	70-126	
tert-Butylbenzene	ug/kg	50	49.1	98	46-124	
Tetrachloroethene	ug/kg	50	53.0	106	72-126	
Toluene	ug/kg	50	50.9	102	71-121	
trans-1,2-Dichloroethene	ug/kg	50	52.9	106	69-123	
trans-1,3-Dichloropropene	ug/kg	50	51.9	104	66-114	
trans-1,4-Dichloro-2-butene	ug/kg	200	209	104	61-124	
Trichloroethene	ug/kg	50	55.7	111	74-123	
Trichlorofluoromethane	ug/kg	50	56.0	112	72-146	
Vinyl acetate	ug/kg	200	245	123	70-130	
Vinyl chloride	ug/kg	50	50.0	100	55-128	
Xylene (Total)	ug/kg	150	152	101	66-124	
4-Bromofluorobenzene (S)	%.			98	56-144	
Dibromofluoromethane (S)	%.			105	85-118	
Toluene-d8 (S)	%.			102	71-128	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 905088 905089

Parameter	Units	5079069010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/kg	ND	46	43.6	44.1	32.4	96	74	10-129	31	20	
1,1,1-Trichloroethane	ug/kg	ND	46	43.6	40.8	28.1	89	65	26-143	37	20	
1,1,2,2-Tetrachloroethane	ug/kg	ND	46	43.6	39.4	30.6	86	70	10-156	25	20	
1,1,2-Trichloroethane	ug/kg	ND	46	43.6	44.7	37.1	97	85	13-156	18	20	
1,1-Dichloroethane	ug/kg	ND	46	43.6	40.2	30.5	87	70	36-150	28	20	
1,1-Dichloroethene	ug/kg	ND	46	43.6	43.0	29.8	93	68	31-146	36	20	
1,1-Dichloropropene	ug/kg	ND	46	43.6	46.2	31.3	100	72	26-145	38	20	
1,2,3-Trichlorobenzene	ug/kg	ND	46	43.6	39.9	13.7	87	31	10-119	98	20	
1,2,3-Trichloropropane	ug/kg	ND	46	43.6	46.9	35.2	102	81	10-168	29	20	
1,2,4-Trichlorobenzene	ug/kg	ND	46	43.6	41.4	13.8	90	32	10-122	100	20	
1,2,4-Trimethylbenzene	ug/kg	ND	46	43.6	42.7	20.9	93	48	10-139	69	20	
1,2-Dibromoethane (EDB)	ug/kg	ND	46	43.6	45.0	37.1	98	85	15-136	19	20	
1,2-Dichlorobenzene	ug/kg	ND	46	43.6	41.7	26.4	91	61	10-132	45	20	
1,2-Dichloroethane	ug/kg	ND	46	43.6	44.4	39.0	97	89	30-140	13	20	
1,2-Dichloropropane	ug/kg	ND	46	43.6	39.4	33.3	86	77	29-135	17	20	
1,3,5-Trimethylbenzene	ug/kg	ND	46	43.6	41.8	18.9	91	43	10-143	76	20	
1,3-Dichlorobenzene	ug/kg	ND	46	43.6	40.2	23.4	87	54	10-130	53	20	
1,3-Dichloropropane	ug/kg	ND	46	43.6	44.6	36.6	97	84	17-139	20	20	
1,4-Dichlorobenzene	ug/kg	ND	46	43.6	41.8	24.9	91	57	10-128	51	20	
2,2-Dichloropropane	ug/kg	ND	46	43.6	40.1	26.9	87	62	29-136	39	20	
2-Butanone (MEK)	ug/kg	ND	230	217	263	207	114	95	22-176	24	20	
2-Chlorotoluene	ug/kg	ND	46	43.6	40.5	23.1	88	53	10-146	55	20	

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QUALITY CONTROL DATA

Project: Franklin Street Dept/067138.00
Pace Project No.: 5079069

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 905088 905089

Parameter	Units	5079069010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2-Hexanone	ug/kg	ND	230	217	246	195	107	89	12-165	23	20	
2-Methylnaphthalene	ug/kg	ND	46	43.6	37.6	15.1	82	35	70-130	85	20	N2
4-Chlorotoluene	ug/kg	ND	46	43.6	39.6	23.4	86	54	10-138	51	20	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	230	217	224	193	97	89	22-155	15	20	
Acetone	ug/kg	ND	230	217	416	317	181	145	11-200	27	20	
Acrolein	ug/kg	ND	920	872	1240	1010	135	116	10-200	20	20	
Acrylonitrile	ug/kg	ND	920	872	857	801	93	92	20-150	7	20	
Benzene	ug/kg	ND	46	43.6	39.1	28.8	85	66	27-140	30	20	
Bromobenzene	ug/kg	ND	46	43.6	40.0	29.9	87	69	10-133	29	20	
Bromochloromethane	ug/kg	ND	46	43.6	37.9	31.8	82	73	28-142	17	20	
Bromodichloromethane	ug/kg	ND	46	43.6	43.8	34.2	95	79	13-139	24	20	
Bromoform	ug/kg	ND	46	43.6	34.6	27.3	75	63	10-122	24	20	
Bromomethane	ug/kg	ND	46	43.6	42.9	33.0	93	76	10-154	26	20	
Carbon disulfide	ug/kg	ND	92	87.2	77.6	54.3	84	62	20-142	35	20	
Carbon tetrachloride	ug/kg	ND	46	43.6	35.8	22.6	78	52	19-135	45	20	
Chlorobenzene	ug/kg	ND	46	43.6	40.8	30.0	89	69	10-136	31	20	
Chloroethane	ug/kg	ND	46	43.6	43.9	32.7	95	75	24-161	29	20	
Chloroform	ug/kg	ND	46	43.6	43.9	33.2	95	76	36-138	28	20	
Chloromethane	ug/kg	ND	46	43.6	38.2	27.7	83	64	28-143	32	20	
cis-1,2-Dichloroethene	ug/kg	ND	46	43.6	41.4	31.6	90	72	29-136	27	20	
cis-1,3-Dichloropropene	ug/kg	ND	46	43.6	40.6	30.6	88	70	10-130	28	20	
Dibromochloromethane	ug/kg	ND	46	43.6	39.0	29.7	85	68	10-124	27	20	
Dibromomethane	ug/kg	ND	46	43.6	41.8	36.7	91	84	24-136	13	20	
Dichlorodifluoromethane	ug/kg	ND	46	43.6	33.2	18.8	72	43	15-187	55	20	
Ethyl methacrylate	ug/kg	ND	184	175	143	118	78	67	10-147	20	20	
Ethylbenzene	ug/kg	ND	46	43.6	41.5	26.6	90	61	10-144	44	20	
Hexachloro-1,3-butadiene	ug/kg	ND	46	43.6	37.9	3.8J	82	9	10-136		20	
Iodomethane	ug/kg	ND	92	87.2	76.3J	60.2J	83	69	10-155		20	
Isopropylbenzene (Cumene)	ug/kg	ND	46	43.6	41.6	22.1	90	51	10-134	61	20	
Methyl-tert-butyl ether	ug/kg	ND	92	87.2	89.5	79.0	97	91	30-147	13	20	
Methylene Chloride	ug/kg	ND	46	43.6	43.9	36.6	95	84	23-150	18	20	
n-Butylbenzene	ug/kg	ND	46	43.6	38.0	8.2	83	19	10-141	129	20	
n-Hexane	ug/kg	ND	46	43.6	37.8	12.0	82	27	10-140	104	20	N2
n-Propylbenzene	ug/kg	ND	46	43.6	40.1	17.8	87	41	10-143	77	20	
Naphthalene	ug/kg	ND	46	43.6	39.2	21.8	85	50	10-130	57	20	
p-Isopropyltoluene	ug/kg	ND	46	43.6	40.6	12.1	88	28	10-146	108	20	
sec-Butylbenzene	ug/kg	ND	46	43.6	41.0	11.6	89	27	10-150	111	20	
Styrene	ug/kg	ND	46	43.6	42.5	31.0	92	71	10-138	31	20	
tert-Butylbenzene	ug/kg	ND	46	43.6	39.4	14.1	86	32	10-135	95	20	
Tetrachloroethene	ug/kg	ND	46	43.6	42.5	26.6	92	61	10-153	46	20	
Toluene	ug/kg	ND	46	43.6	40.8	29.3	89	67	10-140	33	20	
trans-1,2-Dichloroethene	ug/kg	ND	46	43.6	42.7	32.1	93	74	28-139	28	20	
trans-1,3-Dichloropropene	ug/kg	ND	46	43.6	40.9	30.9	89	71	10-126	28	20	
trans-1,4-Dichloro-2-butene	ug/kg	ND	184	175	169	140	92	80	10-132	19	20	
Trichloroethene	ug/kg	ND	46	43.6	43.6	31.3	95	72	17-148	33	20	
Trichlorofluoromethane	ug/kg	ND	46	43.6	44.3	29.0	96	66	31-177	42	20	
Vinyl acetate	ug/kg	ND	184	175	63.9J	ND	35	17	70-130		20	M0

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QUALITY CONTROL DATA

Project: Franklin Street Dept/067138.00
Pace Project No.: 5079069

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 905088 905089

Parameter	Units	5079069010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Vinyl chloride	ug/kg	ND	46	43.6	38.5	27.1	84	62	30-145	35	20	
Xylene (Total)	ug/kg	ND	138	131	124	81.3	90	62	10-143	41	20	
4-Bromofluorobenzene (S)	%.						96	98	56-144		20	
Dibromofluoromethane (S)	%.						105	107	85-118		20	5d
Toluene-d8 (S)	%.						103	100	71-128		20	

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QUALITY CONTROL DATA

Project: Franklin Street Dept/067138.00
Pace Project No.: 5079069

QC Batch: MSV/52523 | Analysis Method: EPA 8260
QC Batch Method: EPA 8260 | Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 5079069016

METHOD BLANK: 905604 | Matrix: Solid
Associated Lab Samples: 5079069016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	04/25/13 14:33	
1,1,1-Trichloroethane	ug/kg	ND	5.0	04/25/13 14:33	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	04/25/13 14:33	
1,1,2-Trichloroethane	ug/kg	ND	5.0	04/25/13 14:33	
1,1-Dichloroethane	ug/kg	ND	5.0	04/25/13 14:33	
1,1-Dichloroethene	ug/kg	ND	5.0	04/25/13 14:33	
1,1-Dichloropropene	ug/kg	ND	5.0	04/25/13 14:33	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	04/25/13 14:33	
1,2,3-Trichloropropane	ug/kg	ND	5.0	04/25/13 14:33	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	04/25/13 14:33	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	04/25/13 14:33	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	04/25/13 14:33	
1,2-Dichlorobenzene	ug/kg	ND	5.0	04/25/13 14:33	
1,2-Dichloroethane	ug/kg	ND	5.0	04/25/13 14:33	
1,2-Dichloropropane	ug/kg	ND	5.0	04/25/13 14:33	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	04/25/13 14:33	
1,3-Dichlorobenzene	ug/kg	ND	5.0	04/25/13 14:33	
1,3-Dichloropropane	ug/kg	ND	5.0	04/25/13 14:33	
1,4-Dichlorobenzene	ug/kg	ND	5.0	04/25/13 14:33	
1-Methylnaphthalene	ug/kg	ND	10.0	04/25/13 14:33	N2
2,2-Dichloropropane	ug/kg	ND	5.0	04/25/13 14:33	
2-Butanone (MEK)	ug/kg	ND	25.0	04/25/13 14:33	
2-Chlorotoluene	ug/kg	ND	5.0	04/25/13 14:33	
2-Hexanone	ug/kg	ND	100	04/25/13 14:33	
2-Methylnaphthalene	ug/kg	ND	10.0	04/25/13 14:33	N2
4-Chlorotoluene	ug/kg	ND	5.0	04/25/13 14:33	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	25.0	04/25/13 14:33	
Acetone	ug/kg	ND	100	04/25/13 14:33	
Acrolein	ug/kg	ND	100	04/25/13 14:33	
Acrylonitrile	ug/kg	ND	100	04/25/13 14:33	
Benzene	ug/kg	ND	5.0	04/25/13 14:33	
Bromobenzene	ug/kg	ND	5.0	04/25/13 14:33	
Bromochloromethane	ug/kg	ND	5.0	04/25/13 14:33	
Bromodichloromethane	ug/kg	ND	5.0	04/25/13 14:33	
Bromoform	ug/kg	ND	5.0	04/25/13 14:33	
Bromomethane	ug/kg	ND	5.0	04/25/13 14:33	
Carbon disulfide	ug/kg	ND	10.0	04/25/13 14:33	
Carbon tetrachloride	ug/kg	ND	5.0	04/25/13 14:33	
Chlorobenzene	ug/kg	ND	5.0	04/25/13 14:33	
Chloroethane	ug/kg	ND	5.0	04/25/13 14:33	
Chloroform	ug/kg	ND	5.0	04/25/13 14:33	
Chloromethane	ug/kg	ND	5.0	04/25/13 14:33	
cis-1,2-Dichloroethene	ug/kg	ND	5.0	04/25/13 14:33	

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QUALITY CONTROL DATA

Project: Franklin Street Dept/067138.00
Pace Project No.: 5079069

METHOD BLANK: 905604 Matrix: Solid

Associated Lab Samples: 5079069018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,3-Dichloropropene	ug/kg	ND	5.0	04/25/13 14:33	
Dibromochloromethane	ug/kg	ND	5.0	04/25/13 14:33	
Dibromomethane	ug/kg	ND	5.0	04/25/13 14:33	
Dichlorodifluoromethane	ug/kg	ND	5.0	04/25/13 14:33	
Ethyl methacrylate	ug/kg	ND	100	04/25/13 14:33	
Ethylbenzene	ug/kg	ND	5.0	04/25/13 14:33	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	04/25/13 14:33	
Iodomethane	ug/kg	ND	100	04/25/13 14:33	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	04/25/13 14:33	
Methyl-tert-butyl ether	ug/kg	ND	5.0	04/25/13 14:33	
Methylene Chloride	ug/kg	ND	20.0	04/25/13 14:33	
n-Butylbenzene	ug/kg	ND	5.0	04/25/13 14:33	
n-Hexane	ug/kg	ND	5.0	04/25/13 14:33	N2
n-Propylbenzene	ug/kg	ND	5.0	04/25/13 14:33	
Naphthalene	ug/kg	ND	5.0	04/25/13 14:33	
p-Isopropyltoluene	ug/kg	ND	5.0	04/25/13 14:33	
sec-Butylbenzene	ug/kg	ND	5.0	04/25/13 14:33	
Styrene	ug/kg	ND	5.0	04/25/13 14:33	
tert-Butylbenzene	ug/kg	ND	5.0	04/25/13 14:33	
Tetrachloroethene	ug/kg	ND	5.0	04/25/13 14:33	
Toluene	ug/kg	ND	5.0	04/25/13 14:33	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	04/25/13 14:33	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	04/25/13 14:33	
trans-1,4-Dichloro-2-butene	ug/kg	ND	100	04/25/13 14:33	
Trichloroethene	ug/kg	ND	5.0	04/25/13 14:33	
Trichlorofluoromethane	ug/kg	ND	5.0	04/25/13 14:33	
Vinyl acetate	ug/kg	ND	100	04/25/13 14:33	
Vinyl chloride	ug/kg	ND	5.0	04/25/13 14:33	
Xylene (Total)	ug/kg	ND	10.0	04/25/13 14:33	
4-Bromofluorobenzene (S)	%.	98	56-144	04/25/13 14:33	
Dibromofluoromethane (S)	%.	102	85-118	04/25/13 14:33	
Toluene-d8 (S)	%.	101	71-128	04/25/13 14:33	

LABORATORY CONTROL SAMPLE: 905605

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	50	54.1	108	62-123	
1,1,1-Trichloroethane	ug/kg	50	51.8	104	70-123	
1,1,2,2-Tetrachloroethane	ug/kg	50	48.3	97	65-124	
1,1,2-Trichloroethane	ug/kg	50	52.5	105	74-129	
1,1-Dichloroethane	ug/kg	50	47.9	96	73-130	
1,1-Dichloroethene	ug/kg	50	52.7	105	66-126	
1,1-Dichloropropene	ug/kg	50	58.0	116	78-125	
1,2,3-Trichlorobenzene	ug/kg	50	56.4	113	66-131	
1,2,3-Trichloropropane	ug/kg	50	54.2	108	44-157	

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QUALITY CONTROL DATA

Project: Franklin Street Dept/067138.00
Pace Project No.: 5079069

LABORATORY CONTROL SAMPLE: 905605

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	50	60.5	121	68-129	
1,2,4-Trimethylbenzene	ug/kg	50	54.3	109	67-126	
1,2-Dibromoethane (EDB)	ug/kg	50	55.6	111	74-120	
1,2-Dichlorobenzene	ug/kg	50	52.7	105	73-122	
1,2-Dichloroethane	ug/kg	50	52.1	104	73-127	
1,2-Dichloropropane	ug/kg	50	48.8	98	75-118	
1,3,5-Trimethylbenzene	ug/kg	50	53.2	106	65-127	
1,3-Dichlorobenzene	ug/kg	50	52.2	104	73-121	
1,3-Dichloropropane	ug/kg	50	51.1	102	72-121	
1,4-Dichlorobenzene	ug/kg	50	53.4	107	75-119	
2,2-Dichloropropane	ug/kg	50	54.6	109	63-122	
2-Butanone (MEK)	ug/kg	250	235	94	59-139	
2-Chlorotoluene	ug/kg	50	51.9	104	72-121	
2-Hexanone	ug/kg	250	254	102	56-139	
2-Methylnaphthalene	ug/kg	50	59.9	120	50-150	N2
4-Chlorotoluene	ug/kg	50	51.4	103	75-123	
4-Methyl-2-pentanone (MIBK)	ug/kg	250	257	103	63-136	
Acetone	ug/kg	250	318	127	46-156	
Acrolein	ug/kg	1000	1520	152	47-200	
Acrylonitrile	ug/kg	1000	1020	102	67-130	
Benzene	ug/kg	50	49.6	99	74-119	
Bromobenzene	ug/kg	50	48.6	97	69-129	
Bromochloromethane	ug/kg	50	48.3	97	67-129	
Bromodichloromethane	ug/kg	50	52.3	105	68-121	
Bromoform	ug/kg	50	42.3	85	49-124	
Bromomethane	ug/kg	50	54.2	108	44-142	
Carbon disulfide	ug/kg	100	100	100	61-129	
Carbon tetrachloride	ug/kg	50	49.0	98	58-127	
Chlorobenzene	ug/kg	50	50.1	100	77-122	
Chloroethane	ug/kg	50	55.2	110	59-141	
Chloroform	ug/kg	50	52.7	105	75-124	
Chloromethane	ug/kg	50	48.5	97	46-133	
cis-1,2-Dichloroethene	ug/kg	50	50.7	101	72-122	
cis-1,3-Dichloropropene	ug/kg	50	58.6	117	68-115	L3
Dibromochloromethane	ug/kg	50	48.7	97	60-121	
Dibromomethane	ug/kg	50	52.8	106	72-124	
Dichlorodifluoromethane	ug/kg	50	44.5	89	26-186	
Ethyl methacrylate	ug/kg	200	203	101	63-130	
Ethylbenzene	ug/kg	50	51.8	104	72-123	
Hexachloro-1,3-butadiene	ug/kg	50	55.3	111	55-139	
Iodomethane	ug/kg	100	112	112	38-149	
Isopropylbenzene (Cumene)	ug/kg	50	51.3	103	65-123	
Methyl-tert-butyl ether	ug/kg	100	104	104	68-120	
Methylene Chloride	ug/kg	50	54.9	110	57-142	
n-Butylbenzene	ug/kg	50	53.0	106	68-125	
n-Hexane	ug/kg	50	50.6	101	57-117	N2
n-Propylbenzene	ug/kg	50	51.7	103	68-122	
Naphthalene	ug/kg	50	53.3	107	67-131	

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QUALITY CONTROL DATA

Project: Franklin Street Dept/067138.00
Pace Project No.: 5079069

LABORATORY CONTROL SAMPLE: 905605

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
p-Isopropyltoluene	ug/kg	50	53.2	106	66-133	
sec-Butylbenzene	ug/kg	50	53.2	106	64-131	
Styrene	ug/kg	50	52.8	106	70-126	
tert-Butylbenzene	ug/kg	50	50.5	101	46-124	
Tetrachloroethene	ug/kg	50	52.8	106	72-126	
Toluene	ug/kg	50	50.3	101	71-121	
trans-1,2-Dichloroethene	ug/kg	50	55.5	111	69-123	
trans-1,3-Dichloropropene	ug/kg	50	51.8	104	66-114	
trans-1,4-Dichloro-2-butene	ug/kg	200	202	101	61-124	
Trichloroethene	ug/kg	50	57.6	115	74-123	
Trichlorofluoromethane	ug/kg	50	55.7	111	72-146	
Vinyl acetate	ug/kg	200	246	123	70-130	
Vinyl chloride	ug/kg	50	51.4	103	55-128	
Xylene (Total)	ug/kg	150	151	101	66-124	
4-Bromofluorobenzene (S)	%.			95	56-144	
Dibromofluoromethane (S)	%.			102	85-118	
Toluene-d8 (S)	%.			100	71-128	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 905606 905607

Parameter	Units	5078966002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/kg	ND	37.6	48	31.7	46.7	84	97	10-129	38	20	
1,1,1-Trichloroethane	ug/kg	ND	37.6	48	32.9	46.8	87	97	26-143	35	20	
1,1,2,2-Tetrachloroethane	ug/kg	ND	37.6	48	31.5	42.3	84	88	10-156	29	20	
1,1,2-Trichloroethane	ug/kg	ND	37.6	48	35.3	47.9	94	100	13-156	30	20	
1,1-Dichloroethane	ug/kg	ND	37.6	48	33.9	45.6	90	95	36-150	29	20	
1,1-Dichloroethene	ug/kg	ND	37.6	48	35.5	49.5	94	103	31-146	33	20	
1,1-Dichloropropene	ug/kg	ND	37.6	48	33.4	52.1	89	108	26-145	44	20	
1,2,3-Trichlorobenzene	ug/kg	ND	37.6	48	10.6	35.4	28	74	10-119	108	20	
1,2,3-Trichloropropane	ug/kg	ND	37.6	48	36.1	48.4	96	101	10-168	29	20	
1,2,4-Trichlorobenzene	ug/kg	ND	37.6	48	11.5	38.3	31	80	10-122	107	20	
1,2,4-Trimethylbenzene	ug/kg	ND	37.6	48	25.9	46.2	68	96	10-139	56	20	
1,2-Dibromoethane (EDB)	ug/kg	ND	37.6	48	35.1	48.4	93	101	15-136	32	20	
1,2-Dichlorobenzene	ug/kg	ND	37.6	48	21.0	42.7	56	89	10-132	68	20	
1,2-Dichloroethane	ug/kg	ND	37.6	48	35.9	47.7	95	99	30-140	28	20	
1,2-Dichloropropane	ug/kg	ND	37.6	48	33.1	44.1	88	92	29-135	29	20	
1,3,5-Trimethylbenzene	ug/kg	ND	37.6	48	26.4	46.4	70	97	10-143	55	20	
1,3-Dichlorobenzene	ug/kg	ND	37.6	48	20.1	41.8	53	87	10-130	70	20	
1,3-Dichloropropane	ug/kg	ND	37.6	48	33.8	46.4	90	97	17-139	31	20	
1,4-Dichlorobenzene	ug/kg	ND	37.6	48	20.0	42.0	53	87	10-128	71	20	
2,2-Dichloropropane	ug/kg	ND	37.6	48	36.0	50.0	96	104	29-136	33	20	
2-Butanone (MEK)	ug/kg	ND	188	241	276	341	146	142	22-176	21	20	
2-Chlorotoluene	ug/kg	ND	37.6	48	25.2	44.4	67	92	10-146	55	20	
2-Hexanone	ug/kg	ND	188	241	260	320	138	133	12-165	21	20	
2-Methylnaphthalene	ug/kg	ND	37.6	48	9.5	36.2	25	75	70-130	117	20	M0,N2
4-Chlorotoluene	ug/kg	ND	37.6	48	22.7	42.3	60	88	10-138	60	20	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Franklin Street Dept/067138.00
Pace Project No.: 5079069

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 905606 905607

Parameter	Units	5078966002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	188	241	194	243	103	101	22-155	22	20	
Acetone	ug/kg	ND	188	241	536	668	285	278	11-200	22	20	M0
Acrolein	ug/kg	ND	753	961	1150	1440	153	150	10-200	22	20	
Acrylonitrile	ug/kg	ND	753	961	791	995	105	104	20-150	23	20	
Benzene	ug/kg	ND	37.6	48	32.8	45.0	87	94	27-140	31	20	
Bromobenzene	ug/kg	ND	37.6	48	22.4	40.2	59	84	10-133	57	20	
Bromochloromethane	ug/kg	ND	37.6	48	33.9	44.8	90	93	28-142	28	20	
Bromodichloromethane	ug/kg	ND	37.6	48	31.5	45.0	84	94	13-139	35	20	
Bromoform	ug/kg	ND	37.6	48	24.1	35.6	64	74	10-122	39	20	
Bromomethane	ug/kg	ND	37.6	48	39.2	56.2	104	117	10-154	35	20	
Carbon disulfide	ug/kg	ND	75.3	96.1	63.8	92.5	85	96	20-142	37	20	
Carbon tetrachloride	ug/kg	ND	37.6	48	27.3	41.0	72	85	19-135	40	20	
Chlorobenzene	ug/kg	ND	37.6	48	26.8	44.2	71	92	10-136	49	20	
Chloroethane	ug/kg	ND	37.6	48	40.2	53.2	107	111	24-161	28	20	
Chloroform	ug/kg	ND	37.6	48	34.9	47.7	93	99	36-138	31	20	
Chloromethane	ug/kg	ND	37.6	48	36.0	46.2	96	96	28-143	25	20	
cis-1,2-Dichloroethene	ug/kg	ND	37.6	48	34.0	46.2	90	96	29-136	31	20	
cis-1,3-Dichloropropene	ug/kg	ND	37.6	48	36.0	51.7	96	108	10-130	36	20	
Dibromochloromethane	ug/kg	ND	37.6	48	26.6	39.9	71	83	10-124	40	20	
Dibromomethane	ug/kg	ND	37.6	48	35.6	47.8	95	99	24-136	29	20	
Dichlorodifluoromethane	ug/kg	ND	37.6	48	31.0	40.7	82	85	15-187	27	20	
Ethyl methacrylate	ug/kg	ND	151	192	138	180	92	93	10-147	26	20	
Ethylbenzene	ug/kg	ND	37.6	48	27.8	45.0	74	94	10-144	47	20	
Hexachloro-1,3-butadiene	ug/kg	ND	37.6	48	15.5	38.9	41	81	10-136	86	20	
Iodomethane	ug/kg	ND	75.3	96.1	80.2	113	107	117	10-155	34	20	
Isopropylbenzene (Cumene)	ug/kg	ND	37.6	48	26.0	45.1	69	94	10-134	54	20	
Methyl-tert-butyl ether	ug/kg	ND	75.3	96.1	79.9	98.1	106	102	30-147	20	20	
Methylene Chloride	ug/kg	ND	37.6	48	40.7	51.0	108	106	23-150	22	20	
n-Butylbenzene	ug/kg	ND	37.6	48	17.2	39.8	46	83	10-141	79	20	
n-Hexane	ug/kg	ND	37.6	48	21.1	43.5	56	90	10-140	69	20	N2
n-Propylbenzene	ug/kg	ND	37.6	48	23.7	44.3	63	92	10-143	61	20	
Naphthalene	ug/kg	ND	37.6	48	15.4	38.7	41	81	10-130	86	20	
p-Isopropyltoluene	ug/kg	ND	37.6	48	22.4	44.2	60	92	10-146	65	20	
sec-Butylbenzene	ug/kg	ND	37.6	48	22.8	44.4	61	92	10-150	64	20	
Styrene	ug/kg	ND	37.6	48	27.1	45.4	72	94	10-138	51	20	
tert-Butylbenzene	ug/kg	ND	37.6	48	26.3	44.5	70	93	10-135	51	20	
Tetrachloroethene	ug/kg	ND	37.6	48	27.4	46.6	73	97	10-153	52	20	
Toluene	ug/kg	ND	37.6	48	31.2	45.7	83	95	10-140	38	20	
trans-1,2-Dichloroethene	ug/kg	ND	37.6	48	37.6	51.3	100	107	28-139	31	20	
trans-1,3-Dichloropropene	ug/kg	ND	37.6	48	29.9	44.4	79	93	10-126	39	20	
trans-1,4-Dichloro-2-butene	ug/kg	ND	151	192	105	167	70	87	10-132	45	20	
Trichloroethene	ug/kg	ND	37.6	48	32.9	51.2	87	107	17-148	44	20	
Trichlorofluoromethane	ug/kg	ND	37.6	48	36.4	50.3	97	105	31-177	32	20	
Vinyl acetate	ug/kg	ND	151	192	169	215	112	112	70-130	24	20	
Vinyl chloride	ug/kg	ND	37.6	48	36.6	48.1	97	100	30-145	27	20	
Xylene (Total)	ug/kg	ND	113	144	81.8	134	72	93	10-143	48	20	
4-Bromofluorobenzene (S)	%.						94	94	56-144		20	

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Columbus, OH 43215
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

QUALITY CONTROL DATA

Project: Franklin Street Dept/067138.00
Pace Project No.: 5079069

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 905606 905607

Parameter	Units	5078966002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dibromofluoromethane (S)	%.						102	102	85-118		20	1d,4d
Toluene-d8 (S)	%.						103	100	71-128		20	

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7726 Moller Road
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QUALITY CONTROL DATA

Project: Franklin Street Dept/067138.00
Pace Project No.: 5079069

QC Batch: PMST/8158 | Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 | Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 5079069001, 5079069002, 5079069003, 5079069004, 5079069005, 5079069006, 5079069007, 5079069008, 5079069009, 5079069010, 5079069011, 5079069012, 5079069013, 5079069014, 5079069015, 5079069016, 5079069017, 5079069018, 5079069019

SAMPLE DUPLICATE: 903673

Parameter	Units	5079069010 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	13.1	18.4	34	5	R1

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QUALITY CONTROL DATA

Project: Franklin Street Dept/067138.00
Pace Project No.: 5079069

QC Batch: PMST/8159
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 5079069020

SAMPLE DUPLICATE: 903650

Parameter	Units	5079232017 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	13.1	15.4	16	5	R1

SAMPLE DUPLICATE: 903675

Parameter	Units	5079259001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	19.3	18.0	7	5	R1

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QUALIFIERS

Project: Franklin Street Dept/067138.00
Pace Project No.: 5079069

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculatble.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-I Pace Analytical Services - Indianapolis

ANALYTE QUALIFIERS

1d	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits for several compounds. RSW 04/26/13
2d	Multiple compounds are outside acceptance limits due to sample matrix. Refer to LCS for system control and data acceptability. JLZ 04/25/13.
3d	Possible carry over from previous sample. No more 1x vials remain for reanalysis. grm 4-25-13
4d	RPD value was outside control limits for several compounds. RSW 04/26/13
5d	Several compounds are outside of acceptance limits for RPD value. Refer to the LCS for system control. grm 4-25-13
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M3	Matrix spike recovery was outside laboratory control limits due to matrix interferences.
N2	The lab does not hold TNI accreditation for this parameter.
R1	RPD value was outside control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Franklin Street Dept/067138.00
Pace Project No.: 5079069

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
5079069001	01-West Wall South @4.75'	EPA 3050	MPRP/11085	EPA 6010	ICP/11808
5079069002	02-West tank base end @9.5'	EPA 3050	MPRP/11085	EPA 6010	ICP/11808
5079069003	03-South Wall @4.75'	EPA 3050	MPRP/11085	EPA 6010	ICP/11808
5079069004	04-East tank base-S end @9.5'	EPA 3050	MPRP/11085	EPA 6010	ICP/11808
5079069005	05-East Wall South @4.75'	EPA 3050	MPRP/11085	EPA 6010	ICP/11808
5079069006	06-West Wall North @4.75'	EPA 3050	MPRP/11085	EPA 6010	ICP/11808
5079069007	07-East tank base-N end @9.5'	EPA 3050	MPRP/11085	EPA 6010	ICP/11808
5079069008	08-West tank base- N end @9.5'	EPA 3050	MPRP/11085	EPA 6010	ICP/11808
5079069009	09-East Wall N end @4.75'	EPA 3050	MPRP/11085	EPA 6010	ICP/11808
5079069010	09-Duplicate-EWall N end @4.75	EPA 3050	MPRP/11085	EPA 6010	ICP/11808
5079069011	11-North Wall @5'	EPA 3050	MPRP/11085	EPA 6010	ICP/11808
5079069012	12-Pipe run @2.5'	EPA 3050	MPRP/11085	EPA 6010	ICP/11808
5079069013	13-West Dispenser @3.0'	EPA 3050	MPRP/11085	EPA 6010	ICP/11808
5079069014	14-East Dispenser @3.0'	EPA 3050	MPRP/11085	EPA 6010	ICP/11808
5079069015	15-Stockpile (A)	EPA 3050	MPRP/11085	EPA 6010	ICP/11808
5079069016	16-Stockpile (B)	EPA 3050	MPRP/11085	EPA 6010	ICP/11808
5079069017	17-Stockpile-suspect	EPA 3050	MPRP/11085	EPA 6010	ICP/11808
5079069018	18-Dispenser over Excav @4.5'	EPA 3050	MPRP/11085	EPA 6010	ICP/11808
5079069019	19-Dispenser over Excav WW@3'	EPA 3050	MPRP/11085	EPA 6010	ICP/11808
5079069020	20-Dispenser over Excav NW @3'	EPA 3050	MPRP/11085	EPA 6010	ICP/11808
5079069021	21-Trip Blank	EPA 8260	MSV/52488		
5079069001	01-West Wall South @4.75'	EPA 8260	MSV/52451		
5079069002	02-West tank base end @9.5'	EPA 8260	MSV/52451		
5079069003	03-South Wall @4.75'	EPA 8260	MSV/52451		
5079069004	04-East tank base-S end @9.5'	EPA 8260	MSV/52486		
5079069005	05-East Wall South @4.75'	EPA 8260	MSV/52486		
5079069006	06-West Wall North @4.75'	EPA 8260	MSV/52486		
5079069007	07-East tank base-N end @9.5'	EPA 8260	MSV/52486		
5079069008	08-West tank base- N end @9.5'	EPA 8260	MSV/52487		
5079069009	09-East Wall N end @4.75'	EPA 8260	MSV/52487		
5079069010	09-Duplicate-EWall N end @4.75	EPA 8260	MSV/52487		
5079069011	11-North Wall @5'	EPA 8260	MSV/52487		
5079069012	12-Pipe run @2.5'	EPA 8260	MSV/52487		
5079069013	13-West Dispenser @3.0'	EPA 8260	MSV/52487		
5079069014	14-East Dispenser @3.0'	EPA 8260	MSV/52487		
5079069015	15-Stockpile (A)	EPA 8260	MSV/52487		
5079069016	16-Stockpile (B)	EPA 8260	MSV/52523		
5079069017	17-Stockpile-suspect	EPA 8260	MSV/52487		
5079069018	18-Dispenser over Excav @4.5'	EPA 8260	MSV/52487		
5079069019	19-Dispenser over Excav WW@3'	EPA 8260	MSV/52487		
5079069020	20-Dispenser over Excav NW @3'	EPA 8260	MSV/52487		
5079069001	01-West Wall South @4.75'	ASTM D2974-87	PMST/8158		
5079069002	02-West tank base end @9.5'	ASTM D2974-87	PMST/8158		
5079069003	03-South Wall @4.75'	ASTM D2974-87	PMST/8158		
5079069004	04-East tank base-S end @9.5'	ASTM D2974-87	PMST/8158		

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7726 Moller Road
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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Franklin Street Dept/067138.00
Pace Project No.: 5079069

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
5079069005	05-East Wall South @4.75'	ASTM D2974-87	PMST/8158		
5079069006	06-West Wall North @4.75'	ASTM D2974-87	PMST/8158		
5079069007	07-East tank base-N end @9.5'	ASTM D2974-87	PMST/8158		
5079069008	08-West tank base- N end @9.5'	ASTM D2974-87	PMST/8158		
5079069009	09-East Wall N end @4.75'	ASTM D2974-87	PMST/8158		
5079069010	09-Duplicate-EWall N end @4.75	ASTM D2974-87	PMST/8158		
5079069011	11-North Wall @5'	ASTM D2974-87	PMST/8158		
5079069012	12-Pipe run @2.5'	ASTM D2974-87	PMST/8158		
5079069013	13-West Dispenser @3.0'	ASTM D2974-87	PMST/8158		
5079069014	14-East Dispenser @3.0'	ASTM D2974-87	PMST/8158		
5079069015	15-Stockpile (A)	ASTM D2974-87	PMST/8158		
5079069016	16-Stockpile (B)	ASTM D2974-87	PMST/8158		
5079069017	17-Stockpile-suspect	ASTM D2974-87	PMST/8158		
5079069018	18-Dispenser over Excav @4.5'	ASTM D2974-87	PMST/8158		
5079069019	19-Dispenser over Excav WW@3'	ASTM D2974-87	PMST/8158		
5079069020	20-Dispenser over Excav NW @3'	ASTM D2974-87	PMST/8158		

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 2

1661077

Section A Required Client Information:
Company: SME
Address: 5847 W. 74th St
INDPLS, IN 46278
Email To: shaw@SME-USA.com
Phone: 317 876 0960 Fax:
Requested Due Date/TAT: 5 Day

Section B Required Project Information:
Report To: Chris Shaw - SME
Copy To:
Purchase Order No.:
Project Name: Franklin Street Dept. UST Closure
Project Number: 067138.00

Section C Invoice Information:
Attention: Chris Shaw
Company Name: SME
Address:
Pace Quote Reference: Lookup
Pace Project Manager: Ken Hunt
Pace Profile #:

REGULATORY AGENCY
☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☒ UST ☐ RCRA ☐ OTHER IDEM RCG

Site Location STATE: IN

Section D Required Client Information

Matrix Codes (MATRIX CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N): N

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	COLLECTED TIME	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test: VOCs	Analysis Test: Lead	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	01 - West wall South @4.75'	SL	G			4/16	225		5							1	2	✓	✓		507069-001
2	02 - West tank base S. end @9.5'	SL	G			4/16	235		5									✓	✓		-002
3	03 - South wall @ 4.75'	SL	G			4/16	250		5									✓	✓		-003
4	04 - East tank base - S. end @9.5	SL	G			4/16	305		5									✓	✓		-004
5	05 - East wall South @4.75'	SL	G			4/16	315		5									✓	✓		-005
6	06 - West wall North @4.75	SL	G			4/16	345		5									✓	✓		-006
7	07 - East tank base - N. end @9.5	SL	G			4/16	405		5									✓	✓		-007
8	08 - West tank base - N. end @9.5	SL	G			4/16	415		5									✓	✓		-008
9	09 - East wall North @4.75'	SL	G			4/16	430		5									✓	✓		-009
10	09 - Duplicate - East wall North @4.75'	SL	G			4/16	430		5									✓	✓		-010
11	10 - MS/MSD - "	SL	G			4/16	430		5									✓	✓		
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	SME	4/17/13	1723		4/17/13	17:30	LP / Yes / No / Yes

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER:
SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY):

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

ORIGINAL

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

EPA-R5-2019-007302_ED_003011_00002932

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

1600252

Section A Required Client Information:
Company: SME, INC.
Address: 5847 W 74th St.
Indianapolis, IN 46278
Email To: shaw@SME-USA
Phone: Fax:
Requested Due Date/TAT:

Section B Required Project Information:
Report To: Chris Shaw - SME, INC
Copy To:
Purchase Order No.:
Project Name: Franklin Street Dept VSR Closure
Project Number: 067138.00

Section C Invoice Information:
Attention: Chris Shaw
Company Name: SME, INC.
Address:
Pace Quote Reference: lookup
Pace Project Manager: Ken Hurst
Pace Profile #:

REGULATORY AGENCY: ☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER ☑ UST ☐ RCRA ☐ OTHER IDEM RCC
Site Location STATE: IN

Section D Required Client Information

Matrix Codes (use valid codes to left): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID (A-Z 0-9 / -) Sample IDs MUST BE UNIQUE	MATRIX CODE	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	VOC	Lead	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	11-North wall @5'	SL	G			4/17	925		5	2						1	1		✓	✓		5079069-011
2	12-Pipe run @2.5'	SL	G			4/17	1030		5										✓	✓		-012
3	13-West Dispenser @3.0'	SL	G			4/17	1150		5										✓	✓		-013
4	14-East Dispenser @3.0'	SL	G			4/17	1225		5										✓	✓		-014
5	15-Stockpile (A)	SL	G			4/17	1205		5										✓	✓		-015
6	16-Stockpile (B)	SL	G			4/17	1210		5										✓	✓		-016
7	17-Stockpile-Suspect	SL	G			4/17	1240		5										✓	✓		-017
8	18-Dispenser over Excavation B&C 4.5'	SL	G			4/17	235		5										✓	✓		-018
9	19-Dispenser over Excavation N. wall @3'	SL	G			4/17	250		5										✓	✓		-019
10	20-Dispenser over Excavation N. wall @3'	SL	G			4/17	305		5	✓						✓	✓		✓	✓		-020
11	21-Trip Blank																		✓			-021
12																						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	[signature] / SME	4/17	1723	[signature]	4-17-17	1722	1°	Yes	No	Yes

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER:
SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY):

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

ORIGINAL

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

EPA-R5-2019-007302_ED_003011_00002932

Sample Condition Upon Receipt

Pace Analytical

Client Name: SME Project # 5079069

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ Client ☐ Commercial ☐ Pace Other

Tracking #:

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☒ no

Date/Time 5035A kits placed in freezer 4-17-13 1801

Packing Material: ☒ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other

Thermometer Used 1 2 3 4 5 A B C D E Type of Ice: Wet Blue None ☒ Samples on ice, cooling process has begun

Cooler Temperature (Corrected, if applicable) 1°, 1° Ice Visible in Sample Containers: ☐ yes ☒ no

Temp should be above freezing to 6°C

Date and initials of person examining contents: 4-17-13 [illegible]

				Comments:
Chain of Custody Present:	☒ Yes	☐ No	☐ N/A	1.
Chain of Custody Filled Out:	☒ Yes	☐ No	☐ N/A	2.
Chain of Custody Relinquished:	☒ Yes	☐ No	☐ N/A	3.
Sampler Name & Signature on COC:	☒ Yes	☐ No	☐ N/A	4.
Short Hold Time Analysis (<72hr):	☐ Yes	☒ No	☐ N/A	5.
Rush Turn Around Time Requested:	☐ Yes	☒ No	☐ N/A	6.
Containers Intact:	☒ Yes	☐ No	☐ N/A	7.
Sample Labels match COC: -Includes date/time/ID/Analysis	☒ Yes	☐ No	☐ N/A	8.
All containers needing acid/base pres. have been checked? exceptions: VOA, coliform, TOC, O&G	☐ Yes	☐ No	☒ N/A	9. (Circle) HNO3 H2SO4 NaOH HCl
All containers needing preservation are found to be in compliance with EPA recommendation.	☐ Yes	☐ No	☒ N/A	
Headspace in VOA Vials (>6mm):	☐ Yes	☒ No	☐ N/A	10.
Trip Blank Present:	☒ Yes	☐ No	☐ N/A	11. Soil Trip Blanks
Trip Blank Custody Seals Present	☐ Yes	☒ No	☐ N/A	
Samples Arrived within Hold Time:	☒ Yes	☐ No	☐ N/A	12.
Sufficient Volume:	☒ Yes	☐ No	☐ N/A	13.
Correct Containers Used:	☒ Yes	☐ No	☐ N/A	14.

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: Date/Time:

Comments/ Resolution:

No plug of soil in methanol vial -D2 - East tank Base

Project Manager Review: T Sayer Date: 4-18-13

Form F-IN-Q290-rev.04, 28Apr2011

CLIENT: SME, INC

COC PAGE 1 of 2
COC ID# 1640777

Sample Container Count

Project # 5079069

Paco Analytical

Sample Line Item	DG9H	AG1U	WGFU	AG0U	R 4/6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H				Comments
1			1		4												
2			1														
3			1														
4			1														
5			1														
6			1														
7			1														
8			1														
9			1														
10			1														
11			1														
12			1														

Container Codes

DG9H	40mL HCL amber voa vial	AG0U	100mL unpreserved amber glass	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber glass	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG8S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thioeulfate amber gl	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	I	Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber gla	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber gla	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thioeulfate clear gla	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

F-IN-Q-270-rev.02,19Apr2012

EPA-R5-2019-007302_ED_003011_00002932

Sample Container Count

Pace Analytical

CLIENT: SME, INC

COC PAGE 2 of 2

COC ID# 1600292

Project # 5079069

Sample Line Item	DG9H	AG1U	WGFU	AG0U	R 4/6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H			Comments
1			1		4											
2			1													
3			1													
4			1													
5			1													
6			1													
7			1													
8			1													
9			1		4											
10					3											Trip Blank
11																
12																

Container Codes

DG9H	40mL HCL amber voa vial	AG0U	100mL unpreserved amber glass	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber glass	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber gl	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	I	Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber gla	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber gla	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gla	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

EPA-R5-2019-007302_ED_003011_00002932

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May 03, 2013

Mr. Chris Shaw
SME, Inc.
5847 W 74th Street
Indianapolis, IN 46278

RE: Project: Franklin UST Closure
Pace Project No.: 5079525

Dear Mr. Shaw:
Enclosed are the analytical results for sample(s) received by the laboratory on April 26, 2013. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kenneth Hunt

kenneth.hunt@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: Franklin UST Closure
Pace Project No.: 5079525

Indiana Certification IDs
7726 Moller Road, Indianapolis, IN 46268
Illinois Certification #: 200074
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky Certification #: 0042
Louisiana/NELAC Certification #: 04076
Ohio VAP Certification #: 101170-0
Pennsylvania Certification #: 68-04991
West Virginia Certification #: 330

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SAMPLE SUMMARY

Project: Franklin UST Closure
Pace Project No.: 5079525

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5079525001	SB-1 Water	Water	04/26/13 10:30	04/26/13 12:07
5079525002	SB-1 Water Dup	Water	04/26/13 10:30	04/26/13 12:07
5079525003	Trip Blank	Water	04/26/13 08:00	04/26/13 12:07

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SAMPLE ANALYTE COUNT

Project: Franklin UST Closure
Pace Project No.: 5079525

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
5079525001	SB-1 Water	EPA 8011	DMT	2	PASI-I
		EPA 6010	LLB	1	PASI-I
		EPA 8260	AMV	75	PASI-I
5079525002	SB-1 Water Dup	EPA 8011	DMT	2	PASI-I
		EPA 6010	LLB	1	PASI-I
		EPA 8260	AMV	75	PASI-I
5079525003	Trip Blank	EPA 8260	AMV	75	PASI-I

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ANALYTICAL RESULTS

Project: Franklin UST Closure
Pace Project No.: 5079525

Sample: SB-1 Water Lab ID: 5079525001 Collected: 04/26/13 10:30 Received: 04/26/13 12:07 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/L	0.036	1	04/26/13 15:50	04/26/13 17:39	106-93-4	N2
Surrogates								
4-Bromofluorobenzene (S)	100	%.	50-150	1	04/26/13 15:50	04/26/13 17:39	460-00-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Lead	19.1	ug/L	10.0	1	04/27/13 08:58	04/29/13 21:08	7439-92-1	
8260 MSV Indiana	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		05/03/13 00:42	67-64-1	
Acrolein	ND	ug/L	50.0	1		05/03/13 00:42	107-02-8	
Acrylonitrile	ND	ug/L	100	1		05/03/13 00:42	107-13-1	
Benzene	ND	ug/L	5.0	1		05/03/13 00:42	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		05/03/13 00:42	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		05/03/13 00:42	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		05/03/13 00:42	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/03/13 00:42	75-25-2	
Bromomethane	ND	ug/L	5.0	1		05/03/13 00:42	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		05/03/13 00:42	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		05/03/13 00:42	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		05/03/13 00:42	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		05/03/13 00:42	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		05/03/13 00:42	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		05/03/13 00:42	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/03/13 00:42	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/03/13 00:42	75-00-3	
Chloroform	ND	ug/L	5.0	1		05/03/13 00:42	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/03/13 00:42	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		05/03/13 00:42	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		05/03/13 00:42	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		05/03/13 00:42	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		05/03/13 00:42	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		05/03/13 00:42	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		05/03/13 00:42	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		05/03/13 00:42	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		05/03/13 00:42	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		05/03/13 00:42	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/03/13 00:42	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		05/03/13 00:42	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		05/03/13 00:42	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		05/03/13 00:42	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		05/03/13 00:42	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		05/03/13 00:42	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		05/03/13 00:42	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		05/03/13 00:42	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		05/03/13 00:42	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		05/03/13 00:42	563-58-6	

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ANALYTICAL RESULTS

Project: Franklin UST Closure
Pace Project No.: 5079525

Sample: SB-1 Water Lab ID: 5079525001 Collected: 04/26/13 10:30 Received: 04/26/13 12:07 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 8260							
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/03/13 00:42	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/03/13 00:42	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/03/13 00:42	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		05/03/13 00:42	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		05/03/13 00:42	87-68-3	
n-Hexane	ND	ug/L	5.0	1		05/03/13 00:42	110-54-3	N2
2-Hexanone	ND	ug/L	25.0	1		05/03/13 00:42	591-78-6	
Iodomethane	ND	ug/L	10.0	1		05/03/13 00:42	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		05/03/13 00:42	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		05/03/13 00:42	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		05/03/13 00:42	75-09-2	
1-Methylnaphthalene	ND	ug/L	5.0	1		05/03/13 00:42	90-12-0	N2
2-Methylnaphthalene	ND	ug/L	10.0	1		05/03/13 00:42	91-57-6	N2
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		05/03/13 00:42	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		05/03/13 00:42	1634-04-4	
Naphthalene	ND	ug/L	1.4	1		05/03/13 00:42	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		05/03/13 00:42	103-65-1	
Styrene	ND	ug/L	5.0	1		05/03/13 00:42	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		05/03/13 00:42	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/03/13 00:42	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		05/03/13 00:42	127-18-4	
Toluene	ND	ug/L	5.0	1		05/03/13 00:42	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		05/03/13 00:42	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		05/03/13 00:42	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/03/13 00:42	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		05/03/13 00:42	79-00-5	
Trichloroethene	19.7	ug/L	5.0	1		05/03/13 00:42	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/03/13 00:42	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		05/03/13 00:42	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		05/03/13 00:42	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		05/03/13 00:42	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		05/03/13 00:42	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		05/03/13 00:42	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		05/03/13 00:42	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	104	%.	79-116	1		05/03/13 00:42	1868-53-7	
4-Bromofluorobenzene (S)	104	%.	80-114	1		05/03/13 00:42	460-00-4	
Toluene-d8 (S)	96	%.	81-110	1		05/03/13 00:42	2037-26-5	

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ANALYTICAL RESULTS

Project: Franklin UST Closure
Pace Project No.: 5079525

Sample: SB-1 Water Dup Lab ID: 5079525002 Collected: 04/26/13 10:30 Received: 04/26/13 12:07 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/L	0.035	1	04/26/13 15:50	04/26/13 17:47	106-93-4	N2
Surrogates								
4-Bromofluorobenzene (S)	100	%.	50-150	1	04/26/13 15:50	04/26/13 17:47	460-00-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Lead	24.2	ug/L	10.0	1	04/27/13 08:58	04/29/13 21:12	7439-92-1	
8260 MSV Indiana	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		05/02/13 22:28	67-64-1	
Acrolein	ND	ug/L	50.0	1		05/02/13 22:28	107-02-8	
Acrylonitrile	ND	ug/L	100	1		05/02/13 22:28	107-13-1	
Benzene	ND	ug/L	5.0	1		05/02/13 22:28	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		05/02/13 22:28	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		05/02/13 22:28	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		05/02/13 22:28	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/02/13 22:28	75-25-2	
Bromomethane	ND	ug/L	5.0	1		05/02/13 22:28	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		05/02/13 22:28	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		05/02/13 22:28	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		05/02/13 22:28	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		05/02/13 22:28	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		05/02/13 22:28	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		05/02/13 22:28	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/02/13 22:28	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/02/13 22:28	75-00-3	
Chloroform	ND	ug/L	5.0	1		05/02/13 22:28	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/02/13 22:28	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		05/02/13 22:28	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		05/02/13 22:28	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		05/02/13 22:28	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		05/02/13 22:28	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		05/02/13 22:28	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		05/02/13 22:28	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		05/02/13 22:28	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		05/02/13 22:28	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		05/02/13 22:28	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/02/13 22:28	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		05/02/13 22:28	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		05/02/13 22:28	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		05/02/13 22:28	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		05/02/13 22:28	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		05/02/13 22:28	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		05/02/13 22:28	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		05/02/13 22:28	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		05/02/13 22:28	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		05/02/13 22:28	563-58-6	

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ANALYTICAL RESULTS

Project: Franklin UST Closure
Pace Project No.: 5079525

Sample: SB-1 Water Dup Lab ID: 5079525002 Collected: 04/26/13 10:30 Received: 04/26/13 12:07 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 8260							
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/02/13 22:28	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/02/13 22:28	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/02/13 22:28	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		05/02/13 22:28	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		05/02/13 22:28	87-68-3	
n-Hexane	ND	ug/L	5.0	1		05/02/13 22:28	110-54-3	N2
2-Hexanone	ND	ug/L	25.0	1		05/02/13 22:28	591-78-6	
Iodomethane	ND	ug/L	10.0	1		05/02/13 22:28	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		05/02/13 22:28	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		05/02/13 22:28	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		05/03/13 01:01	75-09-2	
1-Methylnaphthalene	ND	ug/L	5.0	1		05/02/13 22:28	90-12-0	N2
2-Methylnaphthalene	ND	ug/L	10.0	1		05/02/13 22:28	91-57-6	N2
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		05/02/13 22:28	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		05/02/13 22:28	1634-04-4	
Naphthalene	ND	ug/L	1.4	1		05/02/13 22:28	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		05/02/13 22:28	103-65-1	
Styrene	ND	ug/L	5.0	1		05/02/13 22:28	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		05/02/13 22:28	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/02/13 22:28	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		05/02/13 22:28	127-18-4	
Toluene	ND	ug/L	5.0	1		05/02/13 22:28	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		05/02/13 22:28	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		05/02/13 22:28	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/02/13 22:28	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		05/02/13 22:28	79-00-5	
Trichloroethene	18.9	ug/L	5.0	1		05/02/13 22:28	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/02/13 22:28	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		05/02/13 22:28	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		05/02/13 22:28	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		05/02/13 22:28	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		05/02/13 22:28	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		05/02/13 22:28	75-01-4	
Xylene (Total)	11.9	ug/L	10.0	1		05/02/13 22:28	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101	%.	79-116	1		05/02/13 22:28	1868-53-7	
4-Bromofluorobenzene (S)	102	%.	80-114	1		05/02/13 22:28	460-00-4	
Toluene-d8 (S)	105	%.	81-110	1		05/02/13 22:28	2037-26-5	

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ANALYTICAL RESULTS

Project: Franklin UST Closure
Pace Project No.: 5079525

Sample: Trip Blank | Lab ID: 5079525003 | Collected: 04/26/13 08:00 | Received: 04/26/13 12:07 | Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		05/02/13 15:32	67-64-1	
Acrolein	ND	ug/L	50.0	1		05/02/13 15:32	107-02-8	
Acrylonitrile	ND	ug/L	100	1		05/02/13 15:32	107-13-1	
Benzene	ND	ug/L	5.0	1		05/02/13 15:32	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		05/02/13 15:32	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		05/02/13 15:32	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		05/02/13 15:32	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/02/13 15:32	75-25-2	
Bromomethane	ND	ug/L	5.0	1		05/02/13 15:32	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		05/02/13 15:32	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		05/02/13 15:32	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		05/02/13 15:32	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		05/02/13 15:32	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		05/02/13 15:32	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		05/02/13 15:32	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/02/13 15:32	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/02/13 15:32	75-00-3	
Chloroform	ND	ug/L	5.0	1		05/02/13 15:32	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/02/13 15:32	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		05/02/13 15:32	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		05/02/13 15:32	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		05/02/13 15:32	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		05/02/13 15:32	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		05/02/13 15:32	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		05/02/13 15:32	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		05/02/13 15:32	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		05/02/13 15:32	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		05/02/13 15:32	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/02/13 15:32	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		05/02/13 15:32	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		05/02/13 15:32	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		05/02/13 15:32	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		05/02/13 15:32	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		05/02/13 15:32	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		05/02/13 15:32	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		05/02/13 15:32	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		05/02/13 15:32	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		05/02/13 15:32	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/02/13 15:32	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/02/13 15:32	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/02/13 15:32	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		05/02/13 15:32	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		05/02/13 15:32	87-68-3	
n-Hexane	ND	ug/L	5.0	1		05/02/13 15:32	110-54-3	N2
2-Hexanone	ND	ug/L	25.0	1		05/02/13 15:32	591-78-6	
Iodomethane	ND	ug/L	10.0	1		05/02/13 15:32	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		05/02/13 15:32	98-82-8	

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ANALYTICAL RESULTS

Project: Franklin UST Closure
Pace Project No.: 5079525

Sample: Trip Blank | Lab ID: 5079525003 | Collected: 04/26/13 08:00 | Received: 04/26/13 12:07 | Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 8260							
p-Isopropyltoluene	ND	ug/L	5.0	1		05/02/13 15:32	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		05/02/13 15:32	75-09-2	
1-Methylnaphthalene	ND	ug/L	5.0	1		05/02/13 15:32	90-12-0	N2
2-Methylnaphthalene	ND	ug/L	10.0	1		05/02/13 15:32	91-57-6	N2
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		05/02/13 15:32	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		05/02/13 15:32	1634-04-4	
Naphthalene	ND	ug/L	1.4	1		05/02/13 15:32	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		05/02/13 15:32	103-65-1	
Styrene	ND	ug/L	5.0	1		05/02/13 15:32	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		05/02/13 15:32	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/02/13 15:32	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		05/02/13 15:32	127-18-4	
Toluene	ND	ug/L	5.0	1		05/02/13 15:32	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		05/02/13 15:32	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		05/02/13 15:32	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/02/13 15:32	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		05/02/13 15:32	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		05/02/13 15:32	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/02/13 15:32	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		05/02/13 15:32	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		05/02/13 15:32	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		05/02/13 15:32	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		05/02/13 15:32	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		05/02/13 15:32	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		05/02/13 15:32	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101	%.	79-116	1		05/02/13 15:32	1868-53-7	
4-Bromofluorobenzene (S)	99	%.	80-114	1		05/02/13 15:32	460-00-4	
Toluene-d8 (S)	98	%.	81-110	1		05/02/13 15:32	2037-26-5	

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QUALITY CONTROL DATA

Project: Franklin UST Closure
Pace Project No.: 5079525

QC Batch: GCSV/10819 | Analysis Method: EPA 8011
QC Batch Method: EPA 8011 | Analysis Description: GCS 8011 EDB DBCP
Associated Lab Samples: 5079525001, 5079525002

METHOD BLANK: 906343 | Matrix: Water
Associated Lab Samples: 5079525001, 5079525002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0.035	04/26/13 16:33	N2
4-Bromofluorobenzene (S)	%.	106	50-150	04/26/13 16:33	

LABORATORY CONTROL SAMPLE: 906344

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	.25	0.27	107	60-140	N2
4-Bromofluorobenzene (S)	%.			102	50-150	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 906345 906346

Parameter	Units	5079541005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromoethane (EDB)	ug/L	ND	.25	.25	0.22	0.24	89	95	60-140	7	20	N2
4-Bromofluorobenzene (S)	%.						87	90	50-150		20	

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QUALITY CONTROL DATA

Project: Franklin UST Closure
Pace Project No.: 5079525

QC Batch: MPRP/11135 — Analysis Method: EPA 6010
QC Batch Method: EPA 3010 — Analysis Description: 6010 MET
Associated Lab Samples: 5079525001, 5079525002

METHOD BLANK: 906631 — Matrix: Water
Associated Lab Samples: 5079525001, 5079525002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	ND	10.0	04/30/13 12:21	

LABORATORY CONTROL SAMPLE: 906632

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	1000	974	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 906633 906634

Parameter	Units	5079435018 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	ND	1000	1000	952	938	95	93	75-125	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 906635 906636

Parameter	Units	5079478004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	ND	1000	1000	970	953	97	95	75-125	2	20	

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QUALITY CONTROL DATA

Project: Franklin UST Closure
Pace Project No.: 5079525

QC Batch: MSV/52741 | Analysis Method: EPA 8260
QC Batch Method: EPA 8260 | Analysis Description: 8260 MSV
Associated Lab Samples: 5079525003

METHOD BLANK: 908537 | Matrix: Water
Associated Lab Samples: 5079525003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	05/02/13 10:27	
1,1,1-Trichloroethane	ug/L	ND	5.0	05/02/13 10:27	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	05/02/13 10:27	
1,1,2-Trichloroethane	ug/L	ND	5.0	05/02/13 10:27	
1,1-Dichloroethane	ug/L	ND	5.0	05/02/13 10:27	
1,1-Dichloroethene	ug/L	ND	5.0	05/02/13 10:27	
1,1-Dichloropropene	ug/L	ND	5.0	05/02/13 10:27	
1,2,3-Trichlorobenzene	ug/L	ND	5.0	05/02/13 10:27	
1,2,3-Trichloropropane	ug/L	ND	5.0	05/02/13 10:27	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	05/02/13 10:27	
1,2,4-Trimethylbenzene	ug/L	ND	5.0	05/02/13 10:27	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	05/02/13 10:27	
1,2-Dichlorobenzene	ug/L	ND	5.0	05/02/13 10:27	
1,2-Dichloroethane	ug/L	ND	5.0	05/02/13 10:27	
1,2-Dichloropropane	ug/L	ND	5.0	05/02/13 10:27	
1,3,5-Trimethylbenzene	ug/L	ND	5.0	05/02/13 10:27	
1,3-Dichlorobenzene	ug/L	ND	5.0	05/02/13 10:27	
1,3-Dichloropropane	ug/L	ND	5.0	05/02/13 10:27	
1,4-Dichlorobenzene	ug/L	ND	5.0	05/02/13 10:27	
1-Methylnaphthalene	ug/L	ND	5.0	05/02/13 10:27	N2
2,2-Dichloropropane	ug/L	ND	5.0	05/02/13 10:27	
2-Butanone (MEK)	ug/L	ND	25.0	05/02/13 10:27	
2-Chlorotoluene	ug/L	ND	5.0	05/02/13 10:27	
2-Hexanone	ug/L	ND	25.0	05/02/13 10:27	
2-Methylnaphthalene	ug/L	ND	10.0	05/02/13 10:27	N2
4-Chlorotoluene	ug/L	ND	5.0	05/02/13 10:27	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	05/02/13 10:27	
Acetone	ug/L	ND	100	05/02/13 10:27	
Acrolein	ug/L	ND	50.0	05/02/13 10:27	
Acrylonitrile	ug/L	ND	100	05/02/13 10:27	
Benzene	ug/L	ND	5.0	05/02/13 10:27	
Bromobenzene	ug/L	ND	5.0	05/02/13 10:27	
Bromochloromethane	ug/L	ND	5.0	05/02/13 10:27	
Bromodichloromethane	ug/L	ND	5.0	05/02/13 10:27	
Bromoform	ug/L	ND	5.0	05/02/13 10:27	
Bromomethane	ug/L	ND	5.0	05/02/13 10:27	
Carbon disulfide	ug/L	ND	10.0	05/02/13 10:27	
Carbon tetrachloride	ug/L	ND	5.0	05/02/13 10:27	
Chlorobenzene	ug/L	ND	5.0	05/02/13 10:27	
Chloroethane	ug/L	ND	5.0	05/02/13 10:27	
Chloroform	ug/L	ND	5.0	05/02/13 10:27	
Chloromethane	ug/L	ND	5.0	05/02/13 10:27	
cis-1,2-Dichloroethene	ug/L	ND	5.0	05/02/13 10:27	

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QUALITY CONTROL DATA

Project: Franklin UST Closure
Pace Project No.: 5079525

METHOD BLANK: 908537 Matrix: Water

Associated Lab Samples: 5079525003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,3-Dichloropropene	ug/L	ND	5.0	05/02/13 10:27	
Dibromochloromethane	ug/L	ND	5.0	05/02/13 10:27	
Dibromomethane	ug/L	ND	5.0	05/02/13 10:27	
Dichlorodifluoromethane	ug/L	ND	5.0	05/02/13 10:27	
Ethyl methacrylate	ug/L	ND	100	05/02/13 10:27	
Ethylbenzene	ug/L	ND	5.0	05/02/13 10:27	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	05/02/13 10:27	
Iodomethane	ug/L	ND	10.0	05/02/13 10:27	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	05/02/13 10:27	
Methyl-tert-butyl ether	ug/L	ND	4.0	05/02/13 10:27	
Methylene Chloride	ug/L	ND	5.0	05/02/13 10:27	
n-Butylbenzene	ug/L	ND	5.0	05/02/13 10:27	
n-Hexane	ug/L	ND	5.0	05/02/13 10:27	N2
n-Propylbenzene	ug/L	ND	5.0	05/02/13 10:27	
Naphthalene	ug/L	ND	1.4	05/02/13 10:27	
p-Isopropyltoluene	ug/L	ND	5.0	05/02/13 10:27	
sec-Butylbenzene	ug/L	ND	5.0	05/02/13 10:27	
Styrene	ug/L	ND	5.0	05/02/13 10:27	
tert-Butylbenzene	ug/L	ND	5.0	05/02/13 10:27	
Tetrachloroethene	ug/L	ND	5.0	05/02/13 10:27	
Toluene	ug/L	ND	5.0	05/02/13 10:27	
trans-1,2-Dichloroethene	ug/L	ND	5.0	05/02/13 10:27	
trans-1,3-Dichloropropene	ug/L	ND	5.0	05/02/13 10:27	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	05/02/13 10:27	
Trichloroethene	ug/L	ND	5.0	05/02/13 10:27	
Trichlorofluoromethane	ug/L	ND	5.0	05/02/13 10:27	
Vinyl acetate	ug/L	ND	50.0	05/02/13 10:27	
Vinyl chloride	ug/L	ND	2.0	05/02/13 10:27	
Xylene (Total)	ug/L	ND	10.0	05/02/13 10:27	
4-Bromofluorobenzene (S)	%.	94	80-114	05/02/13 10:27	
Dibromofluoromethane (S)	%.	97	79-116	05/02/13 10:27	
Toluene-d8 (S)	%.	99	81-110	05/02/13 10:27	

LABORATORY CONTROL SAMPLE: 908538

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	42.0	84	61-135	
1,1,1-Trichloroethane	ug/L	50	42.1	84	71-129	
1,1,2,2-Tetrachloroethane	ug/L	50	42.1	84	66-126	
1,1,2-Trichloroethane	ug/L	50	47.6	95	77-130	
1,1-Dichloroethane	ug/L	50	45.4	91	75-130	
1,1-Dichloroethene	ug/L	50	45.3	91	68-127	
1,1-Dichloropropene	ug/L	50	50.9	102	78-130	
1,2,3-Trichlorobenzene	ug/L	50	43.8	88	70-130	
1,2,3-Trichloropropane	ug/L	50	53.0	106	58-142	

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QUALITY CONTROL DATA

Project: Franklin UST Closure
Pace Project No.: 5079525

LABORATORY CONTROL SAMPLE: 908538

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	42.6	85	68-131	
1,2,4-Trimethylbenzene	ug/L	50	46.8	94	69-127	
1,2-Dibromoethane (EDB)	ug/L	50	46.0	92	76-125	
1,2-Dichlorobenzene	ug/L	50	48.5	97	75-123	
1,2-Dichloroethane	ug/L	50	50.9	102	75-128	
1,2-Dichloropropane	ug/L	50	48.3	97	74-121	
1,3,5-Trimethylbenzene	ug/L	50	44.5	89	70-126	
1,3-Dichlorobenzene	ug/L	50	45.7	91	74-122	
1,3-Dichloropropane	ug/L	50	48.0	96	74-123	
1,4-Dichlorobenzene	ug/L	50	45.9	92	76-120	
2,2-Dichloropropane	ug/L	50	43.6	87	50-137	
2-Butanone (MEK)	ug/L	250	239	96	58-139	
2-Chlorotoluene	ug/L	50	47.6	95	74-122	
2-Hexanone	ug/L	250	236	94	54-140	
2-Methylnaphthalene	ug/L	50	46.3	93	70-130	N2
4-Chlorotoluene	ug/L	50	45.9	92	77-123	
4-Methyl-2-pentanone (MIBK)	ug/L	250	239	96	58-138	
Acetone	ug/L	250	221	88	49-150	
Acrolein	ug/L	1000	649	65	41-200	
Acrylonitrile	ug/L	1000	909	91	63-137	
Benzene	ug/L	50	44.9	90	74-122	
Bromobenzene	ug/L	50	47.2	94	72-127	
Bromochloromethane	ug/L	50	49.0	98	63-132	
Bromodichloromethane	ug/L	50	41.8	84	62-136	
Bromoform	ug/L	50	40.7	81	44-134	
Bromomethane	ug/L	50	45.1	90	22-181	
Carbon disulfide	ug/L	100	94.3	94	59-132	
Carbon tetrachloride	ug/L	50	41.7	83	56-137	
Chlorobenzene	ug/L	50	45.7	91	78-123	
Chloroethane	ug/L	50	53.5	107	60-144	
Chloroform	ug/L	50	44.8	90	78-126	
Chloromethane	ug/L	50	49.4	99	42-134	
cis-1,2-Dichloroethene	ug/L	50	45.5	91	75-122	
cis-1,3-Dichloropropene	ug/L	50	44.9	90	64-126	
Dibromochloromethane	ug/L	50	43.1	86	58-128	
Dibromomethane	ug/L	50	46.4	93	73-125	
Dichlorodifluoromethane	ug/L	50	45.7	91	35-181	
Ethyl methacrylate	ug/L	200	186	93	69-133	
Ethylbenzene	ug/L	50	47.3	95	66-133	
Hexachloro-1,3-butadiene	ug/L	50	44.7	89	59-145	
Iodomethane	ug/L	100	90.8	91	21-170	
Isopropylbenzene (Cumene)	ug/L	50	49.2	98	69-124	
Methyl-tert-butyl ether	ug/L	100	98.9	99	69-122	
Methylene Chloride	ug/L	50	45.8	92	68-132	
n-Butylbenzene	ug/L	50	45.7	91	70-126	
n-Hexane	ug/L	50	48.1	96	51-125	N2
n-Propylbenzene	ug/L	50	45.5	91	71-122	
Naphthalene	ug/L	50	45.0	90	68-127	

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QUALITY CONTROL DATA

Project: Franklin UST Closure
Pace Project No.: 5079525

LABORATORY CONTROL SAMPLE: 908538

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
p-Isopropyltoluene	ug/L	50	45.6	91	72-132	
sec-Butylbenzene	ug/L	50	47.1	94	70-128	
Styrene	ug/L	50	47.2	94	74-126	
tert-Butylbenzene	ug/L	50	39.6	79	51-118	
Tetrachloroethene	ug/L	50	43.2	86	69-130	
Toluene	ug/L	50	44.2	88	72-122	
trans-1,2-Dichloroethene	ug/L	50	47.1	94	72-124	
trans-1,3-Dichloropropene	ug/L	50	46.7	93	64-121	
trans-1,4-Dichloro-2-butene	ug/L	200	200	100	56-133	
Trichloroethene	ug/L	50	49.8	100	76-126	
Trichlorofluoromethane	ug/L	50	50.9	102	76-149	
Vinyl acetate	ug/L	200	216	108	70-130	
Vinyl chloride	ug/L	50	40.7	81	59-126	
Xylene (Total)	ug/L	150	139	93	70-124	
4-Bromofluorobenzene (S)	%.			102	80-114	
Dibromofluoromethane (S)	%.			99	79-116	
Toluene-d8 (S)	%.			100	81-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 908539 908540

Parameter	Units	5079147001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	50	50	35.3	40.7	71	81	50-132	14	20	
1,1,1-Trichloroethane	ug/L	ND	50	50	39.7	44.4	79	89	60-138	11	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	38.9	41.5	78	83	55-128	6	20	
1,1,2-Trichloroethane	ug/L	ND	50	50	43.5	47.3	87	95	61-139	8	20	
1,1-Dichloroethane	ug/L	ND	50	50	43.1	47.1	86	94	57-147	9	20	
1,1-Dichloroethene	ug/L	ND	50	50	42.7	46.9	85	94	55-145	10	20	
1,1-Dichloropropene	ug/L	ND	50	50	43.2	48.8	86	98	55-147	12	20	
1,2,3-Trichlorobenzene	ug/L	ND	50	50	30.8	31.8	62	64	31-141	3	20	
1,2,3-Trichloropropane	ug/L	ND	50	50	45.7	50.8	91	102	58-133	10	20	
1,2,4-Trichlorobenzene	ug/L	ND	50	50	28.4	31.0	57	62	25-143	9	20	
1,2,4-Trimethylbenzene	ug/L	ND	50	50	24.9	30.5	50	61	18-149	20	20	
1,2-Dibromoethane (EDB)	ug/L	ND	50	50	42.4	45.6	85	91	63-129	7	20	
1,2-Dichlorobenzene	ug/L	ND	50	50	32.5	38.1	65	76	38-136	16	20	
1,2-Dichloroethane	ug/L	ND	50	50	49.2	53.0	98	106	62-138	8	20	
1,2-Dichloropropane	ug/L	ND	50	50	45.2	48.7	90	97	59-130	7	20	
1,3,5-Trimethylbenzene	ug/L	7.4	50	50	24.1	31.5	34	48	20-147	26	20	
1,3-Dichlorobenzene	ug/L	ND	50	50	27.0	32.2	54	64	28-141	18	20	
1,3-Dichloropropane	ug/L	ND	50	50	45.3	47.7	91	95	62-127	5	20	
1,4-Dichlorobenzene	ug/L	ND	50	50	28.6	33.6	57	67	30-139	16	20	
2,2-Dichloropropane	ug/L	ND	50	50	39.8	43.4	80	87	37-139	9	20	
2-Butanone (MEK)	ug/L	ND	250	250	243	249	97	100	37-156	3	20	
2-Chlorotoluene	ug/L	ND	50	50	27.9	36.7	56	73	27-142	27	20	
2-Hexanone	ug/L	ND	250	250	241	249	97	99	44-143	3	20	
2-Methylnaphthalene	ug/L	ND	50	50	39.3	40.3	79	81	70-130	2	20	N2
4-Chlorotoluene	ug/L	ND	50	50	26.9	33.6	54	67	27-144	22	20	

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QUALITY CONTROL DATA

Project: Franklin UST Closure
Pace Project No.: 5079525

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 908539 908540

Parameter	Units	5079147001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	250	236	265	94	106	46-144	12	20	
Acetone	ug/L	ND	250	250	252	280	101	112	39-156	10	20	
Acrolein	ug/L	ND	1000	1000	1140	1260	114	126	33-200	11	20	
Acrylonitrile	ug/L	ND	1000	1000	987	1020	99	102	48-149	3	20	
Benzene	ug/L	36.0	50	50	73.5	84.9	75	98	62-129	14	20	
Bromobenzene	ug/L	ND	50	50	33.6	39.6	67	79	39-140	16	20	
Bromochloromethane	ug/L	ND	50	50	45.6	50.2	91	100	49-142	10	20	
Bromodichloromethane	ug/L	ND	50	50	40.0	45.0	80	90	50-142	12	20	
Bromoform	ug/L	ND	50	50	39.1	41.2	78	82	36-125	5	20	
Bromomethane	ug/L	ND	50	50	44.7	46.8	89	94	13-179	5	20	
Carbon disulfide	ug/L	ND	100	100	86.0	96.3	86	96	45-142	11	20	
Carbon tetrachloride	ug/L	ND	50	50	36.9	42.2	74	84	46-142	13	20	
Chlorobenzene	ug/L	ND	50	50	33.0	38.7	66	77	49-136	16	20	
Chloroethane	ug/L	ND	50	50	52.0	55.0	104	110	47-160	6	20	
Chloroform	ug/L	ND	50	50	44.1	48.8	88	98	54-150	10	20	
Chloromethane	ug/L	ND	50	50	46.6	48.9	93	98	30-148	5	20	
cis-1,2-Dichloroethene	ug/L	ND	50	50	39.9	43.7	80	87	60-135	9	20	
cis-1,3-Dichloropropene	ug/L	ND	50	50	39.9	44.2	80	88	52-123	10	20	
Dibromochloromethane	ug/L	ND	50	50	39.7	42.8	79	86	48-125	8	20	
Dibromomethane	ug/L	ND	50	50	43.4	47.8	87	96	59-134	10	20	
Dichlorodifluoromethane	ug/L	ND	50	50	44.7	47.5	89	95	24-197	6	20	
Ethyl methacrylate	ug/L	ND	200	200	176	194	88	97	55-139	10	20	
Ethylbenzene	ug/L	ND	50	50	31.2	39.5	60	77	28-153	24	20	
Hexachloro-1,3-butadiene	ug/L	ND	50	50	13.3	17.7	27	35	10-176	28	20	
Iodomethane	ug/L	ND	100	100	85.6	93.3	86	93	17-157	9	20	
Isopropylbenzene (Cumene)	ug/L	53.6	50	50	65.6	92.4	24	78	18-152	34	20	
Methyl-tert-butyl ether	ug/L	ND	100	100	102	105	102	105	63-130	3	20	
Methylene Chloride	ug/L	ND	50	50	46.1	48.7	92	97	45-156	6	20	
n-Butylbenzene	ug/L	ND	50	50	17.3	24.1	35	48	10-161	33	20	
n-Hexane	ug/L	ND	50	50	43.2	50.2	86	100	33-144	15	20	N2
n-Propylbenzene	ug/L	104	50	50	84.4	125	-40	41	16-150	39	20	M0
Naphthalene	ug/L	ND	50	50	37.9	39.7	76	79	39-140	5	20	
p-Isopropyltoluene	ug/L	ND	50	50	18.9	25.7	38	51	10-163	30	20	
sec-Butylbenzene	ug/L	ND	50	50	21.2	30.5	40	59	10-160	36	20	
Styrene	ug/L	ND	50	50	32.6	38.4	65	77	36-139	16	20	
tert-Butylbenzene	ug/L	ND	50	50	19.3	26.1	39	52	12-134	30	20	
Tetrachloroethene	ug/L	ND	50	50	28.8	35.1	58	70	33-151	20	20	
Toluene	ug/L	ND	50	50	36.1	42.7	69	83	50-132	17	20	
trans-1,2-Dichloroethene	ug/L	ND	50	50	41.4	44.7	83	89	40-153	8	20	
trans-1,3-Dichloropropene	ug/L	ND	50	50	41.5	43.8	83	88	48-122	5	20	
trans-1,4-Dichloro-2-butene	ug/L	ND	200	200	176	192	88	96	32-139	8	20	
Trichloroethene	ug/L	ND	50	50	38.2	45.5	76	91	50-143	17	20	
Trichlorofluoromethane	ug/L	ND	50	50	51.1	51.9	102	104	60-175	2	20	
Vinyl acetate	ug/L	ND	200	200	190	206	95	103	70-130	8	20	
Vinyl chloride	ug/L	ND	50	50	39.0	41.2	78	82	44-145	6	20	
Xylene (Total)	ug/L	ND	150	150	94.3	122	58	76	29-145	25	20	
4-Bromofluorobenzene (S)	%.						103	102	80-114			

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QUALITY CONTROL DATA

Project: Franklin UST Closure
Pace Project No.: 5079525

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 908539 908540

Parameter	Units	5079147001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dibromofluoromethane (S)	%.						102	105	79-116			1d
Toluene-d8 (S)	%.						99	100	81-110			

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QUALITY CONTROL DATA

Project: Franklin UST Closure
Pace Project No.: 5079525

QC Batch: MSV/52782
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Associated Lab Samples: 5079525002

METHOD BLANK: 909242
Matrix: Water
Associated Lab Samples: 5079525002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	05/02/13 21:09	
1,1,1-Trichloroethane	ug/L	ND	5.0	05/02/13 21:09	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	05/02/13 21:09	
1,1,2-Trichloroethane	ug/L	ND	5.0	05/02/13 21:09	
1,1-Dichloroethane	ug/L	ND	5.0	05/02/13 21:09	
1,1-Dichloroethene	ug/L	ND	5.0	05/02/13 21:09	
1,1-Dichloropropene	ug/L	ND	5.0	05/02/13 21:09	
1,2,3-Trichlorobenzene	ug/L	ND	5.0	05/02/13 21:09	
1,2,3-Trichloropropane	ug/L	ND	5.0	05/02/13 21:09	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	05/02/13 21:09	
1,2,4-Trimethylbenzene	ug/L	ND	5.0	05/02/13 21:09	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	05/02/13 21:09	
1,2-Dichlorobenzene	ug/L	ND	5.0	05/02/13 21:09	
1,2-Dichloroethane	ug/L	ND	5.0	05/02/13 21:09	
1,2-Dichloropropane	ug/L	ND	5.0	05/02/13 21:09	
1,3,5-Trimethylbenzene	ug/L	ND	5.0	05/02/13 21:09	
1,3-Dichlorobenzene	ug/L	ND	5.0	05/02/13 21:09	
1,3-Dichloropropane	ug/L	ND	5.0	05/02/13 21:09	
1,4-Dichlorobenzene	ug/L	ND	5.0	05/02/13 21:09	
1-Methylnaphthalene	ug/L	ND	5.0	05/02/13 21:09	N2
2,2-Dichloropropane	ug/L	ND	5.0	05/02/13 21:09	
2-Butanone (MEK)	ug/L	ND	25.0	05/02/13 21:09	
2-Chlorotoluene	ug/L	ND	5.0	05/02/13 21:09	
2-Hexanone	ug/L	ND	25.0	05/02/13 21:09	
2-Methylnaphthalene	ug/L	ND	10.0	05/02/13 21:09	N2
4-Chlorotoluene	ug/L	ND	5.0	05/02/13 21:09	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	05/02/13 21:09	
Acetone	ug/L	ND	100	05/02/13 21:09	
Acrolein	ug/L	ND	50.0	05/02/13 21:09	
Acrylonitrile	ug/L	ND	100	05/02/13 21:09	
Benzene	ug/L	ND	5.0	05/02/13 21:09	
Bromobenzene	ug/L	ND	5.0	05/02/13 21:09	
Bromochloromethane	ug/L	ND	5.0	05/02/13 21:09	
Bromodichloromethane	ug/L	ND	5.0	05/02/13 21:09	
Bromoform	ug/L	ND	5.0	05/02/13 21:09	
Bromomethane	ug/L	ND	5.0	05/02/13 21:09	
Carbon disulfide	ug/L	ND	10.0	05/02/13 21:09	
Carbon tetrachloride	ug/L	ND	5.0	05/02/13 21:09	
Chlorobenzene	ug/L	ND	5.0	05/02/13 21:09	
Chloroethane	ug/L	ND	5.0	05/02/13 21:09	
Chloroform	ug/L	ND	5.0	05/02/13 21:09	
Chloromethane	ug/L	ND	5.0	05/02/13 21:09	
cis-1,2-Dichloroethene	ug/L	ND	5.0	05/02/13 21:09	

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QUALITY CONTROL DATA

Project: Franklin UST Closure
Pace Project No.: 5079525

METHOD BLANK: 909242 Matrix: Water

Associated Lab Samples: 5079525002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,3-Dichloropropene	ug/L	ND	5.0	05/02/13 21:09	
Dibromochloromethane	ug/L	ND	5.0	05/02/13 21:09	
Dibromomethane	ug/L	ND	5.0	05/02/13 21:09	
Dichlorodifluoromethane	ug/L	ND	5.0	05/02/13 21:09	
Ethyl methacrylate	ug/L	ND	100	05/02/13 21:09	
Ethylbenzene	ug/L	ND	5.0	05/02/13 21:09	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	05/02/13 21:09	
Iodomethane	ug/L	ND	10.0	05/02/13 21:09	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	05/02/13 21:09	
Methyl-tert-butyl ether	ug/L	ND	4.0	05/02/13 21:09	
Methylene Chloride	ug/L	ND	5.0	05/02/13 21:09	
n-Butylbenzene	ug/L	ND	5.0	05/02/13 21:09	
n-Hexane	ug/L	ND	5.0	05/02/13 21:09	N2
n-Propylbenzene	ug/L	ND	5.0	05/02/13 21:09	
Naphthalene	ug/L	ND	1.4	05/02/13 21:09	
p-Isopropyltoluene	ug/L	ND	5.0	05/02/13 21:09	
sec-Butylbenzene	ug/L	ND	5.0	05/02/13 21:09	
Styrene	ug/L	ND	5.0	05/02/13 21:09	
tert-Butylbenzene	ug/L	ND	5.0	05/02/13 21:09	
Tetrachloroethene	ug/L	ND	5.0	05/02/13 21:09	
Toluene	ug/L	ND	5.0	05/02/13 21:09	
trans-1,2-Dichloroethene	ug/L	ND	5.0	05/02/13 21:09	
trans-1,3-Dichloropropene	ug/L	ND	5.0	05/02/13 21:09	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	05/02/13 21:09	
Trichloroethene	ug/L	ND	5.0	05/02/13 21:09	
Trichlorofluoromethane	ug/L	ND	5.0	05/02/13 21:09	
Vinyl acetate	ug/L	ND	50.0	05/02/13 21:09	
Vinyl chloride	ug/L	ND	2.0	05/02/13 21:09	
Xylene (Total)	ug/L	ND	10.0	05/02/13 21:09	
4-Bromofluorobenzene (S)	%.	98	80-114	05/02/13 21:09	
Dibromofluoromethane (S)	%.	97	79-116	05/02/13 21:09	
Toluene-d8 (S)	%.	99	81-110	05/02/13 21:09	

LABORATORY CONTROL SAMPLE: 909243

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	44.7	89	61-135	
1,1,1-Trichloroethane	ug/L	50	46.1	92	71-129	
1,1,2,2-Tetrachloroethane	ug/L	50	45.8	92	66-126	
1,1,2-Trichloroethane	ug/L	50	47.9	96	77-130	
1,1-Dichloroethane	ug/L	50	47.1	94	75-130	
1,1-Dichloroethene	ug/L	50	49.4	99	68-127	
1,1-Dichloropropene	ug/L	50	50.2	100	78-130	
1,2,3-Trichlorobenzene	ug/L	50	48.6	97	70-130	
1,2,3-Trichloropropane	ug/L	50	55.7	111	58-142	

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QUALITY CONTROL DATA

Project: Franklin UST Closure
Pace Project No.: 5079525

LABORATORY CONTROL SAMPLE: 909243

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	49.2	98	68-131	
1,2,4-Trimethylbenzene	ug/L	50	49.8	100	69-127	
1,2-Dibromoethane (EDB)	ug/L	50	47.1	94	76-125	
1,2-Dichlorobenzene	ug/L	50	51.5	103	75-123	
1,2-Dichloroethane	ug/L	50	50.7	101	75-128	
1,2-Dichloropropane	ug/L	50	48.5	97	74-121	
1,3,5-Trimethylbenzene	ug/L	50	48.5	97	70-126	
1,3-Dichlorobenzene	ug/L	50	49.8	100	74-122	
1,3-Dichloropropane	ug/L	50	50.4	101	74-123	
1,4-Dichlorobenzene	ug/L	50	50.1	100	76-120	
1-Methylnaphthalene	ug/L		ND			N2
2,2-Dichloropropane	ug/L	50	46.6	93	50-137	
2-Butanone (MEK)	ug/L	250	269	108	58-139	
2-Chlorotoluene	ug/L	50	51.6	103	74-122	
2-Hexanone	ug/L	250	270	108	54-140	
2-Methylnaphthalene	ug/L	50	49.4	99	70-130	N2
4-Chlorotoluene	ug/L	50	50.4	101	77-123	
4-Methyl-2-pentanone (MIBK)	ug/L	250	251	101	58-138	
Acetone	ug/L	250	299	119	49-150	
Acrolein	ug/L	1000	613	61	41-200	
Acrylonitrile	ug/L	1000	967	97	63-137	
Benzene	ug/L	50	48.7	97	74-122	
Bromobenzene	ug/L	50	50.5	101	72-127	
Bromochloromethane	ug/L	50	50.1	100	63-132	
Bromodichloromethane	ug/L	50	46.0	92	62-136	
Bromoform	ug/L	50	48.4	97	44-134	
Bromomethane	ug/L	50	49.8	100	22-181	
Carbon disulfide	ug/L	100	104	104	59-132	
Carbon tetrachloride	ug/L	50	44.9	90	56-137	
Chlorobenzene	ug/L	50	46.8	94	78-123	
Chloroethane	ug/L	50	58.4	117	60-144	
Chloroform	ug/L	50	49.2	98	78-126	
Chloromethane	ug/L	50	55.3	111	42-134	
cis-1,2-Dichloroethene	ug/L	50	45.1	90	75-122	
cis-1,3-Dichloropropene	ug/L	50	47.5	95	64-126	
Dibromochloromethane	ug/L	50	47.0	94	58-128	
Dibromomethane	ug/L	50	47.2	94	73-125	
Dichlorodifluoromethane	ug/L	50	62.4	125	35-181	
Ethyl methacrylate	ug/L	200	194	97	69-133	
Ethylbenzene	ug/L	50	47.7	95	66-133	
Hexachloro-1,3-butadiene	ug/L	50	49.2	98	59-145	
Iodomethane	ug/L	100	97.0	97	21-170	
Isopropylbenzene (Cumene)	ug/L	50	50.5	101	69-124	
Methyl-tert-butyl ether	ug/L	100	97.5	97	69-122	
Methylene Chloride	ug/L	50	46.2	92	68-132	
n-Butylbenzene	ug/L	50	50.3	101	70-126	
n-Hexane	ug/L	50	54.4	109	51-125	N2
n-Propylbenzene	ug/L	50	51.4	103	71-122	

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QUALITY CONTROL DATA

Project: Franklin UST Closure
Pace Project No.: 5079525

LABORATORY CONTROL SAMPLE: 909243

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Naphthalene	ug/L	50	46.7	93	68-127	
p-Isopropyltoluene	ug/L	50	51.2	102	72-132	
sec-Butylbenzene	ug/L	50	52.3	105	70-128	
Styrene	ug/L	50	48.3	97	74-126	
tert-Butylbenzene	ug/L	50	42.3	85	51-118	
Tetrachloroethene	ug/L	50	46.5	93	69-130	
Toluene	ug/L	50	45.7	91	72-122	
trans-1,2-Dichloroethene	ug/L	50	47.5	95	72-124	
trans-1,3-Dichloropropene	ug/L	50	48.9	98	64-121	
trans-1,4-Dichloro-2-butene	ug/L	200	225	113	56-133	
Trichloroethene	ug/L	50	49.4	99	76-126	
Trichlorofluoromethane	ug/L	50	56.1	112	76-149	
Vinyl acetate	ug/L	200	233	116	70-130	
Vinyl chloride	ug/L	50	45.5	91	59-126	
Xylene (Total)	ug/L	150	147	98	70-124	
4-Bromofluorobenzene (S)	%.			105	80-114	
Dibromofluoromethane (S)	%.			99	79-116	
Toluene-d8 (S)	%.			97	81-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 909244 909245

Parameter	Units	5079533001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	100	100	73.9	73.2	74	73	50-132	1	20	
1,1,1-Trichloroethane	ug/L	19.8	100	100	93.8	89.0	74	69	60-138	5	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	100	100	79.3	79.0	79	79	55-128	0	20	
1,1,2-Trichloroethane	ug/L	ND	100	100	84.5	87.5	85	87	61-139	3	20	
1,1-Dichloroethane	ug/L	ND	100	100	87.9	85.8	88	86	57-147	3	20	
1,1-Dichloroethene	ug/L	5.2	100	100	90.0	85.2	85	80	55-145	6	20	
1,1-Dichloropropene	ug/L	ND	100	100	82.4	76.8	82	77	55-147	7	20	
1,2,3-Trichlorobenzene	ug/L	ND	100	100	75.6	71.3	76	71	31-141	6	20	
1,2,3-Trichloropropane	ug/L	ND	100	100	89.8	92.8	90	93	58-133	3	20	
1,2,4-Trichlorobenzene	ug/L	ND	100	100	72.1	68.6	72	69	25-143	5	20	
1,2,4-Trimethylbenzene	ug/L	ND	100	100	65.8	62.7	66	63	18-149	5	20	
1,2-Dibromoethane (EDB)	ug/L	ND	100	100	81.0	83.8	81	84	63-129	3	20	
1,2-Dichlorobenzene	ug/L	ND	100	100	79.1	73.8	79	74	38-136	7	20	
1,2-Dichloroethane	ug/L	ND	100	100	92.7	88.6	93	89	62-138	5	20	
1,2-Dichloropropane	ug/L	ND	100	100	97.7	93.9	98	94	59-130	4	20	
1,3,5-Trimethylbenzene	ug/L	ND	100	100	63.7	61.9	64	62	20-147	3	20	
1,3-Dichlorobenzene	ug/L	ND	100	100	71.3	69.1	71	69	28-141	3	20	
1,3-Dichloropropane	ug/L	ND	100	100	87.0	87.9	87	88	62-127	1	20	
1,4-Dichlorobenzene	ug/L	ND	100	100	73.3	73.2	73	73	30-139	0	20	
2,2-Dichloropropane	ug/L	ND	100	100	80.0	77.2	80	77	37-139	4	20	
2-Butanone (MEK)	ug/L	ND	500	500	465	457	93	91	37-156	2	20	
2-Chlorotoluene	ug/L	ND	100	100	69.4	67.6	69	68	27-142	3	20	
2-Hexanone	ug/L	ND	500	500	463	480	93	96	44-143	4	20	
2-Methylnaphthalene	ug/L	ND	100	100	83.3	74.7	83	75	70-130	11	20	N2

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QUALITY CONTROL DATA

Project: Franklin UST Closure
Pace Project No.: 5079525

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 909244 909245

Parameter	Units	5079533001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
4-Chlorotoluene	ug/L	ND	100	100	68.3	67.5	68	68	27-144	1	20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	500	500	476	494	95	99	46-144	4	20	
Acetone	ug/L	ND	500	500	425	421	85	84	39-156	1	20	
Acrolein	ug/L	ND	2000	2000	2210	2220	110	111	33-200	0	20	
Acrylonitrile	ug/L	ND	2000	2000	1840	1930	92	97	48-149	5	20	
Benzene	ug/L	ND	100	100	78.0	75.0	78	75	62-129	4	20	
Bromobenzene	ug/L	ND	100	100	77.9	79.1	78	79	39-140	2	20	
Bromochloromethane	ug/L	ND	100	100	90.3	85.1	90	85	49-142	6	20	
Bromodichloromethane	ug/L	ND	100	100	76.8	75.8	77	76	50-142	1	20	
Bromoform	ug/L	ND	100	100	79.9	81.9	80	82	36-125	2	20	
Bromomethane	ug/L	ND	100	100	90.6	90.2	91	90	13-179	1	20	
Carbon disulfide	ug/L	ND	200	200	178	176	89	88	45-142	1	20	
Carbon tetrachloride	ug/L	ND	100	100	74.9	70.8	75	71	46-142	6	20	
Chlorobenzene	ug/L	ND	100	100	69.5	70.1	70	70	49-136	1	20	
Chloroethane	ug/L	ND	100	100	101	99.4	101	99	47-160	2	20	
Chloroform	ug/L	ND	100	100	84.4	83.4	84	83	54-150	1	20	
Chloromethane	ug/L	ND	100	100	95.0	98.7	95	99	30-148	4	20	
cis-1,2-Dichloroethene	ug/L	ND	100	100	79.1	76.5	75	73	60-135	3	20	
cis-1,3-Dichloropropene	ug/L	ND	100	100	76.1	81.2	76	81	52-123	7	20	
Dibromochloromethane	ug/L	ND	100	100	79.6	81.9	80	82	48-125	3	20	
Dibromomethane	ug/L	ND	100	100	83.8	80.7	84	81	59-134	4	20	
Dichlorodifluoromethane	ug/L	ND	100	100	102	105	102	105	24-197	2	20	
Ethylbenzene	ug/L	ND	100	100	67.3	65.9	67	66	28-153	2	20	
Hexachloro-1,3-butadiene	ug/L	ND	100	100	49.6	48.5	50	48	10-176	2	20	
Iodomethane	ug/L	ND	200	200	179	172	89	86	17-157	4	20	
Isopropylbenzene (Cumene)	ug/L	ND	100	100	61.1	64.0	61	64	18-152	5	20	
Methyl-tert-butyl ether	ug/L	ND	200	200	190	194	95	97	63-130	2	20	
Methylene Chloride	ug/L	ND	100	100	90.9	87.2	91	87	45-156	4	20	
n-Butylbenzene	ug/L	ND	100	100	56.5	53.7	56	54	10-161	5	20	
n-Hexane	ug/L	ND	100	100	88.1	79.8	88	80	33-144	10	20	N2
n-Propylbenzene	ug/L	ND	100	100	57.2	59.6	57	60	16-150	4	20	
Naphthalene	ug/L	ND	100	100	77.6	72.5	78	72	39-140	7	20	
p-Isopropyltoluene	ug/L	ND	100	100	58.0	56.1	58	56	10-163	3	20	
sec-Butylbenzene	ug/L	ND	100	100	58.1	57.0	58	57	10-160	2	20	
Styrene	ug/L	ND	100	100	70.4	72.6	70	73	36-139	3	20	
tert-Butylbenzene	ug/L	ND	100	100	48.6	47.9	49	48	12-134	1	20	
Tetrachloroethene	ug/L	ND	100	100	61.2	60.4	61	60	33-151	1	20	
Toluene	ug/L	ND	100	100	68.3	68.2	68	68	50-132	0	20	
trans-1,2-Dichloroethene	ug/L	ND	100	100	78.9	76.7	79	77	40-153	3	20	
trans-1,3-Dichloropropene	ug/L	ND	100	100	82.9	82.1	83	82	48-122	1	20	
Trichloroethene	ug/L	124	100	100	151	140	26	16	50-143	7	20	M0
Trichlorofluoromethane	ug/L	ND	100	100	98.7	99.4	99	99	60-175	1	20	
Vinyl acetate	ug/L	ND	400	400	365	368	91	92	70-130	1	20	
Vinyl chloride	ug/L	ND	100	100	79.0	80.0	79	80	44-145	1	20	
Xylene (Total)	ug/L	ND	300	300	186	195	62	65	29-145	5	20	
4-Bromofluorobenzene (S)	%.						103	104	80-114			
Dibromofluoromethane (S)	%.						104	103	79-116			

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QUALITY CONTROL DATA

Project: Franklin UST Closure
Pace Project No.: 5079525

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 909244 909245

Parameter	Units	5079533001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Toluene-d8 (S)	%.						99	104	81-110			

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QUALITY CONTROL DATA

Project: Franklin UST Closure
Pace Project No.: 5079525

QC Batch: MSV/52783 | Analysis Method: EPA 8260
QC Batch Method: EPA 8260 | Analysis Description: 8260 MSV
Associated Lab Samples: 5079525001

METHOD BLANK: 909246 | Matrix: Water
Associated Lab Samples: 5079525001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	05/03/13 00:04	
1,1,1-Trichloroethane	ug/L	ND	5.0	05/03/13 00:04	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	05/03/13 00:04	
1,1,2-Trichloroethane	ug/L	ND	5.0	05/03/13 00:04	
1,1-Dichloroethane	ug/L	ND	5.0	05/03/13 00:04	
1,1-Dichloroethene	ug/L	ND	5.0	05/03/13 00:04	
1,1-Dichloropropene	ug/L	ND	5.0	05/03/13 00:04	
1,2,3-Trichlorobenzene	ug/L	ND	5.0	05/03/13 00:04	
1,2,3-Trichloropropane	ug/L	ND	5.0	05/03/13 00:04	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	05/03/13 00:04	
1,2,4-Trimethylbenzene	ug/L	ND	5.0	05/03/13 00:04	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	05/03/13 00:04	
1,2-Dichlorobenzene	ug/L	ND	5.0	05/03/13 00:04	
1,2-Dichloroethane	ug/L	ND	5.0	05/03/13 00:04	
1,2-Dichloropropane	ug/L	ND	5.0	05/03/13 00:04	
1,3,5-Trimethylbenzene	ug/L	ND	5.0	05/03/13 00:04	
1,3-Dichlorobenzene	ug/L	ND	5.0	05/03/13 00:04	
1,3-Dichloropropane	ug/L	ND	5.0	05/03/13 00:04	
1,4-Dichlorobenzene	ug/L	ND	5.0	05/03/13 00:04	
1-Methylnaphthalene	ug/L	ND	5.0	05/03/13 00:04	N2
2,2-Dichloropropane	ug/L	ND	5.0	05/03/13 00:04	
2-Butanone (MEK)	ug/L	ND	25.0	05/03/13 00:04	
2-Chlorotoluene	ug/L	ND	5.0	05/03/13 00:04	
2-Hexanone	ug/L	ND	25.0	05/03/13 00:04	
2-Methylnaphthalene	ug/L	ND	10.0	05/03/13 00:04	N2
4-Chlorotoluene	ug/L	ND	5.0	05/03/13 00:04	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	05/03/13 00:04	
Acetone	ug/L	ND	100	05/03/13 00:04	
Acrolein	ug/L	ND	50.0	05/03/13 00:04	
Acrylonitrile	ug/L	ND	100	05/03/13 00:04	
Benzene	ug/L	ND	5.0	05/03/13 00:04	
Bromobenzene	ug/L	ND	5.0	05/03/13 00:04	
Bromochloromethane	ug/L	ND	5.0	05/03/13 00:04	
Bromodichloromethane	ug/L	ND	5.0	05/03/13 00:04	
Bromoform	ug/L	ND	5.0	05/03/13 00:04	
Bromomethane	ug/L	ND	5.0	05/03/13 00:04	
Carbon disulfide	ug/L	ND	10.0	05/03/13 00:04	
Carbon tetrachloride	ug/L	ND	5.0	05/03/13 00:04	
Chlorobenzene	ug/L	ND	5.0	05/03/13 00:04	
Chloroethane	ug/L	ND	5.0	05/03/13 00:04	
Chloroform	ug/L	ND	5.0	05/03/13 00:04	
Chloromethane	ug/L	ND	5.0	05/03/13 00:04	
cis-1,2-Dichloroethene	ug/L	ND	5.0	05/03/13 00:04	

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QUALITY CONTROL DATA

Project: Franklin UST Closure
Pace Project No.: 5079525

METHOD BLANK: 909246 Matrix: Water

Associated Lab Samples: 5079525001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,3-Dichloropropene	ug/L	ND	5.0	05/03/13 00:04	
Dibromochloromethane	ug/L	ND	5.0	05/03/13 00:04	
Dibromomethane	ug/L	ND	5.0	05/03/13 00:04	
Dichlorodifluoromethane	ug/L	ND	5.0	05/03/13 00:04	
Ethyl methacrylate	ug/L	ND	100	05/03/13 00:04	
Ethylbenzene	ug/L	ND	5.0	05/03/13 00:04	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	05/03/13 00:04	
Iodomethane	ug/L	ND	10.0	05/03/13 00:04	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	05/03/13 00:04	
Methyl-tert-butyl ether	ug/L	ND	4.0	05/03/13 00:04	
Methylene Chloride	ug/L	ND	5.0	05/03/13 00:04	
n-Butylbenzene	ug/L	ND	5.0	05/03/13 00:04	
n-Hexane	ug/L	ND	5.0	05/03/13 00:04	N2
n-Propylbenzene	ug/L	ND	5.0	05/03/13 00:04	
Naphthalene	ug/L	ND	1.4	05/03/13 00:04	
p-Isopropyltoluene	ug/L	ND	5.0	05/03/13 00:04	
sec-Butylbenzene	ug/L	ND	5.0	05/03/13 00:04	
Styrene	ug/L	ND	5.0	05/03/13 00:04	
tert-Butylbenzene	ug/L	ND	5.0	05/03/13 00:04	
Tetrachloroethene	ug/L	ND	5.0	05/03/13 00:04	
Toluene	ug/L	ND	5.0	05/03/13 00:04	
trans-1,2-Dichloroethene	ug/L	ND	5.0	05/03/13 00:04	
trans-1,3-Dichloropropene	ug/L	ND	5.0	05/03/13 00:04	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	05/03/13 00:04	
Trichloroethene	ug/L	ND	5.0	05/03/13 00:04	
Trichlorofluoromethane	ug/L	ND	5.0	05/03/13 00:04	
Vinyl acetate	ug/L	ND	50.0	05/03/13 00:04	
Vinyl chloride	ug/L	ND	2.0	05/03/13 00:04	
Xylene (Total)	ug/L	ND	10.0	05/03/13 00:04	
4-Bromofluorobenzene (S)	%.	106	80-114	05/03/13 00:04	
Dibromofluoromethane (S)	%.	101	79-116	05/03/13 00:04	
Toluene-d8 (S)	%.	101	81-110	05/03/13 00:04	

LABORATORY CONTROL SAMPLE: 909247

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	46.9	94	61-135	
1,1,1-Trichloroethane	ug/L	50	44.5	89	71-129	
1,1,2,2-Tetrachloroethane	ug/L	50	42.9	86	66-126	
1,1,2-Trichloroethane	ug/L	50	50.1	100	77-130	
1,1-Dichloroethane	ug/L	50	44.9	90	75-130	
1,1-Dichloroethene	ug/L	50	46.3	93	68-127	
1,1-Dichloropropene	ug/L	50	54.9	110	78-130	
1,2,3-Trichlorobenzene	ug/L	50	48.9	98	70-130	
1,2,3-Trichloropropane	ug/L	50	49.4	99	58-142	

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QUALITY CONTROL DATA

Project: Franklin UST Closure
Pace Project No.: 5079525

LABORATORY CONTROL SAMPLE: 909247

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	49.1	98	68-131	
1,2,4-Trimethylbenzene	ug/L	50	50.1	100	69-127	
1,2-Dibromoethane (EDB)	ug/L	50	50.1	100	76-125	
1,2-Dichlorobenzene	ug/L	50	52.7	105	75-123	
1,2-Dichloroethane	ug/L	50	49.9	100	75-128	
1,2-Dichloropropane	ug/L	50	51.6	103	74-121	
1,3,5-Trimethylbenzene	ug/L	50	49.7	99	70-126	
1,3-Dichlorobenzene	ug/L	50	48.7	97	74-122	
1,3-Dichloropropane	ug/L	50	51.9	104	74-123	
1,4-Dichlorobenzene	ug/L	50	51.1	102	76-120	
2,2-Dichloropropane	ug/L	50	46.5	93	50-137	
2-Butanone (MEK)	ug/L	250	245	98	58-139	
2-Chlorotoluene	ug/L	50	49.4	99	74-122	
2-Hexanone	ug/L	250	246	98	54-140	
2-Methylnaphthalene	ug/L	50	47.3	95	70-130	N2
4-Chlorotoluene	ug/L	50	49.7	99	77-123	
4-Methyl-2-pentanone (MIBK)	ug/L	250	254	101	58-138	
Acetone	ug/L	250	239	96	49-150	
Acrolein	ug/L	1000	597	60	41-200	
Acrylonitrile	ug/L	1000	888	89	63-137	
Benzene	ug/L	50	44.9	90	74-122	
Bromobenzene	ug/L	50	52.9	106	72-127	
Bromochloromethane	ug/L	50	50.0	100	63-132	
Bromodichloromethane	ug/L	50	46.4	93	62-136	
Bromoform	ug/L	50	43.2	86	44-134	
Bromomethane	ug/L	50	47.4	95	22-181	
Carbon disulfide	ug/L	100	104	104	59-132	
Carbon tetrachloride	ug/L	50	45.4	91	56-137	
Chlorobenzene	ug/L	50	47.9	96	78-123	
Chloroethane	ug/L	50	57.0	114	60-144	
Chloroform	ug/L	50	45.6	91	78-126	
Chloromethane	ug/L	50	54.7	109	42-134	
cis-1,2-Dichloroethene	ug/L	50	45.6	91	75-122	
cis-1,3-Dichloropropene	ug/L	50	49.4	99	64-126	
Dibromochloromethane	ug/L	50	48.2	96	58-128	
Dibromomethane	ug/L	50	47.6	95	73-125	
Dichlorodifluoromethane	ug/L	50	63.0	126	35-181	
Ethyl methacrylate	ug/L	200	201	101	69-133	
Ethylbenzene	ug/L	50	49.7	99	66-133	
Hexachloro-1,3-butadiene	ug/L	50	50.3	101	59-145	
Iodomethane	ug/L	100	96.3	96	21-170	
Isopropylbenzene (Cumene)	ug/L	50	53.1	106	69-124	
Methyl-tert-butyl ether	ug/L	100	102	102	69-122	
Methylene Chloride	ug/L	50	46.9	94	68-132	
n-Butylbenzene	ug/L	50	49.9	100	70-126	
n-Hexane	ug/L	50	53.2	106	51-125	N2
n-Propylbenzene	ug/L	50	48.4	97	71-122	
Naphthalene	ug/L	50	45.3	91	68-127	

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QUALITY CONTROL DATA

Project: Franklin UST Closure
Pace Project No.: 5079525

LABORATORY CONTROL SAMPLE: 909247

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
p-Isopropyltoluene	ug/L	50	51.1	102	72-132	
sec-Butylbenzene	ug/L	50	50.7	101	70-128	
Styrene	ug/L	50	52.7	105	74-126	
tert-Butylbenzene	ug/L	50	48.9	98	51-118	
Tetrachloroethene	ug/L	50	49.1	98	69-130	
Toluene	ug/L	50	47.6	95	72-122	
trans-1,2-Dichloroethene	ug/L	50	49.5	99	72-124	
trans-1,3-Dichloropropene	ug/L	50	50.8	102	64-121	
trans-1,4-Dichloro-2-butene	ug/L	200	234	117	56-133	
Trichloroethene	ug/L	50	50.4	101	76-126	
Trichlorofluoromethane	ug/L	50	53.9	108	76-149	
Vinyl acetate	ug/L	200	231	116	70-130	
Vinyl chloride	ug/L	50	43.7	87	59-126	
Xylene (Total)	ug/L	150	147	98	70-124	
4-Bromofluorobenzene (S)	%.			104	80-114	
Dibromofluoromethane (S)	%.			96	79-116	
Toluene-d8 (S)	%.			104	81-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 909248 909249

Parameter	Units	5079525001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	100	100	85.6	79.8	86	80	50-132	7	20	
1,1,1-Trichloroethane	ug/L	ND	100	100	87.1	77.2	87	77	60-138	12	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	100	100	87.3	82.3	87	82	55-128	6	20	
1,1,2-Trichloroethane	ug/L	ND	100	100	95.4	89.4	95	89	61-139	7	20	
1,1-Dichloroethane	ug/L	ND	100	100	88.3	81.1	88	81	57-147	9	20	
1,1-Dichloroethene	ug/L	ND	100	100	93.3	85.3	93	85	55-145	9	20	
1,1-Dichloropropene	ug/L	ND	100	100	90.9	80.9	91	81	55-147	12	20	
1,2,3-Trichlorobenzene	ug/L	ND	100	100	84.5	75.7	85	76	31-141	11	20	
1,2,3-Trichloropropane	ug/L	ND	100	100	100	90.6	100	91	58-133	10	20	
1,2,4-Trichlorobenzene	ug/L	ND	100	100	82.4	72.7	82	73	25-143	13	20	
1,2,4-Trimethylbenzene	ug/L	ND	100	100	75.1	64.7	75	65	18-149	15	20	
1,2-Dibromoethane (EDB)	ug/L	ND	100	100	93.8	87.6	94	88	63-129	7	20	
1,2-Dichlorobenzene	ug/L	ND	100	100	86.7	78.2	87	78	38-136	10	20	
1,2-Dichloroethane	ug/L	ND	100	100	106	99.1	106	99	62-138	6	20	
1,2-Dichloropropane	ug/L	ND	100	100	96.0	91.9	96	92	59-130	4	20	
1,3,5-Trimethylbenzene	ug/L	ND	100	100	71.1	62.4	71	62	20-147	13	20	
1,3-Dichlorobenzene	ug/L	ND	100	100	79.4	71.3	79	71	28-141	11	20	
1,3-Dichloropropane	ug/L	ND	100	100	99.6	96.3	100	96	62-127	3	20	
1,4-Dichlorobenzene	ug/L	ND	100	100	84.1	72.1	84	72	30-139	15	20	
2,2-Dichloropropane	ug/L	ND	100	100	89.0	85.1	89	85	37-139	5	20	
2-Butanone (MEK)	ug/L	ND	500	500	512	513	102	103	37-156	0	20	
2-Chlorotoluene	ug/L	ND	100	100	75.4	66.3	75	66	27-142	13	20	
2-Hexanone	ug/L	ND	500	500	509	492	102	98	44-143	3	20	
2-Methylnaphthalene	ug/L	ND	100	100	90.3	85.9	90	86	70-130	5	20	N2
4-Chlorotoluene	ug/L	ND	100	100	77.9	65.8	78	66	27-144	17	20	

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QUALITY CONTROL DATA

Project: Franklin UST Closure
Pace Project No.: 5079525

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 909248 909249

Parameter	Units	5079525001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
4-Methyl-2-pentanone (MIBK)	ug/L	ND	500	500	513	506	103	101	46-144	2	20	
Acetone	ug/L	ND	500	500	513	511	103	102	39-156	0	20	
Acrolein	ug/L	ND	2000	2000	2400	2290	120	114	33-200	5	20	
Acrylonitrile	ug/L	ND	2000	2000	2040	1990	102	99	48-149	3	20	
Benzene	ug/L	ND	100	100	83.5	74.7	83	75	62-129	11	20	
Bromobenzene	ug/L	ND	100	100	90.5	80.9	90	81	39-140	11	20	
Bromochloromethane	ug/L	ND	100	100	103	95.3	103	95	49-142	8	20	
Bromodichloromethane	ug/L	ND	100	100	91.6	87.0	92	87	50-142	5	20	
Bromoform	ug/L	ND	100	100	90.1	85.9	90	86	36-125	5	20	
Bromomethane	ug/L	ND	100	100	93.7	85.7	94	86	13-179	9	20	
Carbon disulfide	ug/L	ND	200	200	186	171	93	85	45-142	9	20	
Carbon tetrachloride	ug/L	ND	100	100	80.1	75.1	80	75	46-142	6	20	
Chlorobenzene	ug/L	ND	100	100	76.3	69.9	76	70	49-136	9	20	
Chloroethane	ug/L	ND	100	100	116	111	116	111	47-160	5	20	
Chloroform	ug/L	ND	100	100	88.9	82.6	89	83	54-150	7	20	
Chloromethane	ug/L	ND	100	100	102	99.3	102	99	30-148	2	20	
cis-1,2-Dichloroethene	ug/L	ND	100	100	88.2	82.6	88	83	60-135	7	20	
cis-1,3-Dichloropropene	ug/L	ND	100	100	94.5	88.8	95	89	52-123	6	20	
Dibromochloromethane	ug/L	ND	100	100	91.9	87.2	92	87	48-125	5	20	
Dibromomethane	ug/L	ND	100	100	96.2	90.2	96	90	59-134	6	20	
Dichlorodifluoromethane	ug/L	ND	100	100	113	108	113	108	24-197	4	20	
Ethylbenzene	ug/L	ND	100	100	70.4	65.7	69	64	28-153	7	20	
Hexachloro-1,3-butadiene	ug/L	ND	100	100	49.8	42.9	50	43	10-176	15	20	
Iodomethane	ug/L	ND	200	200	200	186	100	93	17-157	7	20	
Isopropylbenzene (Cumene)	ug/L	ND	100	100	66.4	61.7	66	62	18-152	7	20	
Methyl-tert-butyl ether	ug/L	ND	200	200	213	211	107	105	63-130	1	20	
Methylene Chloride	ug/L	ND	100	100	107	98.9	103	95	45-156	8	20	
n-Butylbenzene	ug/L	ND	100	100	56.2	48.0	56	48	10-161	16	20	
n-Hexane	ug/L	ND	100	100	89.8	86.0	90	86	33-144	4	20	N2
n-Propylbenzene	ug/L	ND	100	100	62.5	54.8	63	55	16-150	13	20	
Naphthalene	ug/L	ND	100	100	89.2	81.3	89	81	39-140	9	20	
p-Isopropyltoluene	ug/L	ND	100	100	60.6	53.4	61	53	10-163	13	20	
sec-Butylbenzene	ug/L	ND	100	100	58.2	52.4	58	52	10-160	10	20	
Styrene	ug/L	ND	100	100	88.0	77.0	88	77	36-139	13	20	
tert-Butylbenzene	ug/L	ND	100	100	60.3	54.8	60	55	12-134	10	20	
Tetrachloroethene	ug/L	ND	100	100	67.5	61.7	68	62	33-151	9	20	
Toluene	ug/L	ND	100	100	74.5	71.2	71	68	50-132	4	20	
trans-1,2-Dichloroethene	ug/L	ND	100	100	86.6	82.6	87	83	40-153	5	20	
trans-1,3-Dichloropropene	ug/L	ND	100	100	95.5	89.7	96	90	48-122	6	20	
Trichloroethene	ug/L	19.7	100	100	101	89.1	81	69	50-143	12	20	
Trichlorofluoromethane	ug/L	ND	100	100	104	96.2	104	96	60-175	7	20	
Vinyl acetate	ug/L	ND	400	400	405	404	101	101	70-130	0	20	
Vinyl chloride	ug/L	ND	100	100	77.8	75.2	78	75	44-145	3	20	
Xylene (Total)	ug/L	ND	300	300	218	199	71	65	29-145	9	20	
4-Bromofluorobenzene (S)	%.						104	102	80-114			
Dibromofluoromethane (S)	%.						101	99	79-116			
Toluene-d8 (S)	%.						106	106	81-110			

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QUALIFIERS

Project: Franklin UST Closure
Pace Project No.: 5079525

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculatble.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

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TNI - The NELAC Institute.

LABORATORIES

PASI-I Pace Analytical Services - Indianapolis

ANALYTE QUALIFIERS

1d	Multiple compounds have RPD's that are outside acceptance limits. Refer to LCS for system control and data acceptability. AMV 5/2/13
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
N2	The lab does not hold TNI accreditation for this parameter.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Franklin UST Closure
Pace Project No.: 5079525

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
5079525001	SB-1 Water	EPA 8011	GCSV/10819	EPA 8011	GCSV/10820
5079525002	SB-1 Water Dup	EPA 8011	GCSV/10819	EPA 8011	GCSV/10820
5079525001	SB-1 Water	EPA 3010	MPRP/11135	EPA 6010	ICP/11875
5079525002	SB-1 Water Dup	EPA 3010	MPRP/11135	EPA 6010	ICP/11875
5079525001	SB-1 Water	EPA 8260	MSV/52783		
5079525002	SB-1 Water Dup	EPA 8260	MSV/52782		
5079525003	Trip Blank	EPA 8260	MSV/52741		

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Pace Analytical®
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: of

1600253

Section A Required Client Information:

Company:	SME
Address:	5847 W. 74th
	INDPLS IN 46278
Email To:	shaw@SME-USA.com
Phone:	876-0200
Fax:	
Requested Due Date/TAT:	5 Day

Section B Required Project Information:

Report To:	Chris Shaw
Copy To:	
Purchase Order No.:	
Project Name:	Franklin UST Closure
Project Number:	06738.00

Section C Invoice Information:

Attention:	Chris Shaw
Company Name:	SME
Address:	Same
Pace Quote Reference:	look up
Pace Project Manager:	Ken Hunt
Pace Profile #:	

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☒ UST ☐ RCRA ☐ OTHER

Site Location STATE: RCE IN

Section D Required Client Information

Matrix Codes MATRIX / CODE: Drinking Water DW, Water WT, Waste Water WW, Product P, Soil/Solid SL, Oil OL, Wipe WP, Air AR, Tissue TS, Other OT

SAMPLE ID (A-Z, 0-9 / ,) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other D_1	Analysis Test (Y/N)	VOCs	EDB	Lead	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	SB-1 Water	WT	G	4/26/13	1030				7			✓	✓						✓	✓	✓		001
2	SB-1 Water Dup	WT	G	4/26/13	1030				7			✓	✓						✓	✓	✓		002
3	Trip Blank								3				✓				✓		✓				003
4																							
5																							
6																							
7																							
8																							
9																							
10																							
11																							
12																							

5079525

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	[signature]	4/26/13	1207	Handle Pace	4/26/13	1207	0.9	Y	N	Y

[signature] ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: [signature]

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 4/26/13

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

EPA-R5-2019-007302_ED_003011_00002932

Sample Condition Upon Receipt

Pace Analytical

Client Name: SME

Project # 5079525

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Commercial ☐ Pace Other

Tracking #:

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Date/Time 5035A kits placed in freezer

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ None ☑ Other ICE/7PLC

Thermometer Used 1 2 3 4 6 A B C D E

Type of Ice: Wet Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature 0.9°C
(Corrected, if applicable)

Ice Visible in Sample Containers: ☐ yes ☑ no

Temp should be above freezing to 6°C

Date and initials of person examining contents: 4/26/13 [illegible]

				Comments:
Chain of Custody Present:	☑ Yes	☐ No	☐ N/A	1.
Chain of Custody Filled Out:	☑ Yes	☐ No	☐ N/A	2.
Chain of Custody Relinquished:	☑ Yes	☐ No	☐ N/A	3.
Sampler Name & Signature on COC:	☑ Yes	☐ No	☐ N/A	4.
Short Hold Time Analysis (<72hr):	☐ Yes	☑ No	☐ N/A	5.
Rush Turn Around Time Requested:	☐ Yes	☑ No	☐ N/A	6.
Containers Intact:	☑ Yes	☐ No	☐ N/A	7.
Sample Labels match COC: -Includes date/time/ID/Analysis	☑ Yes	☐ No	☐ N/A	8.
All containers needing acid/base pres. have been checked? exceptions: VOA, coliform, TOC, O&G	☑ Yes	☐ No	☐ N/A	9. (Circle) HNO3 H2SO4 NaOH HCl
All containers needing preservation are found to be in compliance with EPA recommendation.	☑ Yes	☐ No	☐ N/A	
Headspace in VOA Vials (>6mm):	☐ Yes	☑ No	☐ N/A	10.
Trip Blank Present:	☑ Yes	☐ No	☐ N/A	11.
Trip Blank Custody Seals Present	☑ Yes	☐ No	☐ N/A	
[illegible]				
Samples Arrived within Hold Time:	☑ Yes	☐ No	☐ N/A	12.
Sufficient Volume:	☑ Yes	☐ No	☐ N/A	13.
Correct Containers Used:	☑ Yes	☐ No	☐ N/A	14.

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: Date/Time:

Comments/ Resolution:

Project Manager Review: K. Omer **Date:** 4-26-13

Form F-IN-Q290-rev.04, 28Apr2011

Sample Container Count

CLIENT: SMC

COC PAGE 1 of 1
COC ID# 1600263

Project # 5079525

Pace Analytical

Sample Line Item	DG9H	AG1U	WGFU	AG0U	R 4/6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H				Comments
1	6								1								
2	6								1								
3	3																
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	

Container Codes

DG9H	40mL HCL amber voa vial	AG0U	100mL unpreserved amber glass	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber glass	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber gl	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	!	Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber gla	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber gla	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gla	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

F-IN-Q-270-rev.02,19Apr2012

EPA-R5-2019-007302_ED_003011_00002932

APPENDIX C

BORING LOG

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soil and materials engineers, inc.
michigan, ohio and indiana

BORING SB1

PROJECT NAME: Franklin Street Dept. UST Closure
PROJECT NUMBER: 067138.00
CLIENT:
PROJECT LOCATION: 951 Hamilton Ave., Franklin, IN
DATE STARTED: 4/26/13 COMPLETED: 4/26/13
BORING METHOD: Direct Push
DRILLER: SCS RIG NO.:
LOGGED BY: CGS CHECKED BY: DWB

SURFACE ELEVATION: Not Surveyed

DEPTH (FEET)	PROFILE DESCRIPTION	SAMPLE TYPE AND INTERVAL	BLOWS PER SIX INCHES	N-VALUE ~ O (0 20 30 40)	RECOVERY (inches)	PID (ppm)	SOIL ANALYTICAL SAMPLE	TEMPORARY WELL SCREEN	REMARKS
0	0.3 Asphalt Concrete								
	1.0 Crushed Stone								
	Silty Fine to Coarse Sand- Fine to Medium Gravel- Blackish Brown (SM-GM/Fill)	LS1				<1			
	2.5								
	Sandy Clay- Dark Brown (CL-SC)	LS2			24	<1			
5	5.0	LS3				<1			
	Fine to Medium Sand- Trace Silt- Dark Brown- Moist (SP)								
	7.0	LS4			36	<1			
	Fine to Coarse Sand- Trace to Some Fine Gravel- Trace Silt- Brown- Moist (SP)	LS5				<1			
10	10.0 Fine to Coarse Sand- Fine to Medium Gravel- Trace Silt- Brown- Moist to Wet at 11 Feet (SP-GP)								A groundwater sample was collected from a temporary monitoring well, the well screen was set between 10 feet and 15 feet below ground surface.
▽	11.0	LS6			36	<1			
	Fine to Medium Sand- Trace Silt- Light Brown- Wet (SP)								
	13.0	LS7				<1			
	Silty Fine to Coarse Sand- Fine to Medium Gravel- Brown (SM-GM)								
15		LS8			48	<1			
	16.0								

END OF BORING AT 16.0 FEET.

GROUNDWATER & BACKFILL INFORMATION

	DEPTH (Ft)
▽ DURING BORING:	11.0

BACKFILL METHOD: Soil Cuttings

NOTES: 1. The indicated stratification lines are approximate. In situ, the transition between materials may be gradual.

May 22, 2013

APPENDIX D

DISPOSAL DOCUMENTATION
RESIDUAL LIQUID / USTS

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NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: . . . . . .
2. Page 1 of
3. Emergency Response Phone
4. Waste Tracking Number: 003696

5. Generator's Name and Mailing Address
HOOSIER EQUIPMENT SERVICE
8014 W. THOMPSON RD
INDIANAPOLIS IN 46241
Generator's Site Address (if different than mailing address)
Generator's IL ID Number
9180976027
Transporter's ID Number
Generator's Phone

6. Transporter 1 Company Name: FUTURE ENVIRONMENTAL INC
U.S. EPA ID Number: I.L.D.9.8.4.8.3.1.3.9.6.

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address: FUTURE ENVIRONMENTAL
6331 E. 30TH ST.
INDIANAPOLIS IN 46368
U.S. EPA ID Number: I.N.R.0.0.0.1.1.6.6.9.9.
Facility's Phone: (317) 549-6900

9. Waste Shipping Name and Description	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.
1. NON-HAZARDOUS LIQUID WASTE, NON-REGULATED BY D.O.T	001	TT	300	G
2.				
3.				
4.				

13. Special Handling Instructions and Additional Information

24 Hour Emergency & Spill Asst. Number
(800) 424-9300

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

Generator's/Offeror's Printed/Typed Name: Brooks Farmer
Signature: Brooks Farmer
Month | Day | Year

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Travis Sass
Signature: Travis Sass
Month 5 | Day 2 | Year 13
Transporter 2 Printed/Typed Name
Signature
Month | Day | Year

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator)
Month | Day | Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name
Signature
Month | Day | Year

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

003896

HOOSIER EQUIPMENT SERVICE
8014 W. THOMPSON RD
INDIANAPOLIS IN 46241

Generator's IL ID Number
9180976027
Transporter's ID Number

FUTURE ENVIRONMENTAL INC I.L.D.9.8.4.2.3.1.2.9.6.

FUTURE ENVIRONMENTAL
6331 E. 30TH ST.
INDIANAPOLIS IN 46368 I.N.R.0.0.0.1.1.6.6.4.4.
(317) 549-6900

NON-HAZARDOUS LIQUID WASTE,
NON-REGULATED BY D.O.T

0 0 1 TT 30 6

24 Hour Emergency & Spill Asst. Number
(800) 424-9300

FUTURE ENVIRONMENTAL INC

6331 East 30th Street, Suite 304 • Indianapolis, IN 46219 • (866) 579-6900

SPECIAL WASTE HAULER I.D. #3922	DATE 5-2-13
NAME SME (Hoosier)	
ADDRESS	Franklin
PHONE NUMBER	IN

DESCRIPTION	AMOUNT	
E.P.A. NON-HAZARDOUS		
D.O.T. NON-REGULATED		
Contaminated fuel		
300 gal ~~[illegible]~~		
HALOGEN LEVEL PPM		
24 HOUR SPILL EMERGENCY ONLY PHONE # 800-424-9300		
TOTAL		

We the generator of this waste hereby certify that we have not mixed any hazardous waste or PCB into the waste being picked up by Future Environmental, Inc., that would make this waste a hazardous waste under EPA Laws.

IN 440980

Rec'd by Brian Greene

THANK YOU

EPA-R5-2019-007302_ED_003011_00002932

LUSCO Metal Recycling

Hoosier Equipment Service, Inc. certifies that the tank/tanks listed below, which were removed from (Owner's Name/Location of tank) 951 Hamilton St., have been purged in accordance with API Bulletin 1604 **and**

1. the tank never contained leaded gasoline or,
2. the tank has been cleaned in accordance with API Bulletin 2015 and 2015 A and any interior surfaces which might have been in contact with the sludge have been cleaned to bare metal in accordance with API 2202.

Assigned Tank No. (# to be painted on tank)	Tank Size	Tank Contents
1. 13018A	6K	gasoline
2. 13018B	6K	gasoline
3.		
4.		
5.		

Signed by: (Acting Agent for Contractor) [signature]

Title: VP. Date: 4-16-13

LUSCO Metal Recycling certifies that the above listed tanks are being purchased for re-melting purposes only, and to the best of our knowledge meet all State and Federal requirements for cleaning.

Signed by: Lusco Corp by Luzie Wilson

Title: 4/16/2013 Date: Lusco Metal

1295 S 5th Street, Noblesville, IN 46060

APPENDIX E

UST SYSTEM MONTHLY MONITORING DATA

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AUTO LEAK TEST

TUE JAN 17,12 5:05:32 PM

STATION NAME:

FRANKIN STREET DEPT.
951 HAMILTON AVE.
FRANKIN,IN,46131

TANK 1 PRODUCT: NO LEAD

LEAK RATE: 0.013 gal/hr
PASS 0.2 GPH TEST

PERCENT OF TANK TESTED: 32.1 %
START: TUE JAN 17,12 1:00:01 PM
BEG FUEL LEVEL: 25.5824 in
BEG WATER LEVEL: 0.0000 in
1944.690 gal, 49.68 °F
1944.726 gal, 49.66 °F
1944.765 gal, 49.68 °F
1944.729 gal, 49.65 °F
END: TUE JAN 17,12 5:05:32 PM
END FUEL LEVEL: 25.5000 in
END WATER LEVEL: 0.0000 in

TANK 2 PRODUCT: NO LEAD

LEAK RATE: 0.013 gal/hr
PASS 0.2 GPH TEST

PERCENT OF TANK TESTED: 33.0 %
START: TUE JAN 17,12 1:00:01 PM
BEG FUEL LEVEL: 26.0663 in
BEG WATER LEVEL: 0.0000 in
1995.235 gal, 49.05 °F
1995.226 gal, 49.05 °F
1995.219 gal, 49.03 °F
1995.232 gal, 49.03 °F
END: TUE JAN 17,12 5:05:32 PM
END FUEL LEVEL: 26.0662 in
END WATER LEVEL: 0.0000 in

EPA-R5-2019-007302_ED_003011_00002932

AUTO LEAK TEST
TUE DEC 20,11 5:05:33 AM
STATION NAME:
FRANKIN STREET DEPT.
951 HAMILTON AVE.
FRANKIN,IN.46131

TANK 1 PRODUCT: NO LEAD

LEAK RATE: 0.014 gal/hr
PASS 0.2 GPH TEST

PERCENT OF TANK TESTED: 50.6 %
START: TUE DEC 20,11 1:00:01 AM
BEG FUEL LEVEL: 36.0277 in
BEG WATER LEVEL: 0.0000 in
3853.129 gal, 51.08 °F
3853.535 gal, 51.09 °F
3853.582 gal, 51.06 °F
3853.552 gal, 51.08 °F
END: TUE DEC 20,11 5:05:33 AM
END FUEL LEVEL: 36.0146 in
END WATER LEVEL: 0.0000 in

TANK 2 PRODUCT: NO LEAD

LEAK RATE: 0.010 gal/hr
PASS 0.2 GPH TEST

PERCENT OF TANK TESTED: 51.9 %
START: TUE DEC 20,11 1:00:01 AM
BEG FUEL LEVEL: 36.7533 in
BEG WATER LEVEL: 0.0000 in
3135.459 gal, 50.61 °F
3135.053 gal, 50.61 °F
3135.021 gal, 50.59 °F
3135.073 gal, 50.63 °F
END: TUE DEC 20,11 5:05:33 AM
END FUEL LEVEL: 36.7754 in
END WATER LEVEL: 0.0000 in

AUTO LEAK TEST
TUE JAN 03,12 5:05:24 AM
STATION NAME:
FRANKIN STREET DEPT.
951 HAMILTON AVE.
FRANKIN,IN.46131

TANK 1 PRODUCT: NO LEAD

LEAK RATE: 0.019 gal/hr
PASS 0.2 GPH TEST

PERCENT OF TANK TESTED: 44.1 %
START: TUE JAN 03,12 1:00:02 AM
BEG FUEL LEVEL: 32.3747 in
BEG WATER LEVEL: 0.0000 in
2661.199 gal, 50.52 °F
2661.195 gal, 50.52 °F
2661.247 gal, 50.54 °F
2661.171 gal, 50.52 °F
END: TUE JAN 03,12 5:05:24 AM
END FUEL LEVEL: 32.3746 in
END WATER LEVEL: 0.0000 in

TANK 2 PRODUCT: NO LEAD

LEAK RATE: 0.000 gal/hr
PASS 0.2 GPH TEST

PERCENT OF TANK TESTED: 45.2 %
START: TUE JAN 03,12 1:00:02 AM
BEG FUEL LEVEL: 32.9955 in
BEG WATER LEVEL: 0.0000 in
2729.057 gal, 50.05 °F
2729.069 gal, 50.03 °F
2729.049 gal, 50.03 °F
2729.053 gal, 50.01 °F
END: TUE JAN 03,12 5:05:24 AM
END FUEL LEVEL: 32.9952 in
END WATER LEVEL: 0.0000 in

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AUTO LEAK TEST
TUE NOV 08,11 5:05:21 AM
STATION NAME:
FRANKIN STREET DEPT.
951 HAMILTON AVE.
FRANKIN,IN,46131

TANK 1 PRODUCT: NO LEAD

LEAK RATE: -0.007 gal/hr
PASS 0.2 GPH TEST

PERCENT OF TANK TESTED: 38.1 %
START: TUE NOV 08,11 1:00:01 AM
BEG FUEL LEVEL: 29.0220 in
BEG WATER LEVEL: 0.0000 in
2285.365 gal, 62.61 °F
2285.365 gal, 62.61 °F
2285.354 gal, 62.61 °F
2285.341 gal, 62.61 °F
END: TUE NOV 08,11 5:05:21 AM
END FUEL LEVEL: 29.0216 in
END WATER LEVEL: 0.0000 in

TANK 2 PRODUCT: NO LEAD

LEAK RATE: 0.011 gal/hr
PASS 0.2 GPH TEST

PERCENT OF TANK TESTED: 31.0 %
START: TUE NOV 08,11 1:00:01 AM
BEG FUEL LEVEL: 24.9322 in
BEG WATER LEVEL: 0.0000 in
1861.768 gal, 61.77 °F
1861.776 gal, 61.77 °F
1861.770 gal, 61.79 °F
1861.786 gal, 61.77 °F
END: TUE NOV 08,11 5:05:21 AM
END FUEL LEVEL: 24.9323 in
END WATER LEVEL: 0.0000 in

AUTO LEAK TEST
TUE DEC 13,11 5:05:35 AM
STATION NAME:
FRANKIN STREET DEPT.
951 HAMILTON AVE.
FRANKIN,IN,46131

TANK 1 PRODUCT: NO LEAD

LEAK RATE: 0.055 gal/hr
PASS 0.2 GPH TEST

PERCENT OF TANK TESTED: 57.5 %
START: TUE DEC 13,11 1:00:01 AM
BEG FUEL LEVEL: 39.9239 in
BEG WATER LEVEL: 0.0000 in
3475.873 gal, 58.79 °F
3474.981 gal, 58.79 °F
3475.352 gal, 58.77 °F
3475.685 gal, 58.79 °F
END: TUE DEC 13,11 5:05:35 AM
END FUEL LEVEL: 39.9257 in
END WATER LEVEL: 0.0000 in

TANK 2 PRODUCT: NO LEAD

LEAK RATE: 0.040 gal/hr
PASS 0.2 GPH TEST

PERCENT OF TANK TESTED: 59.0 %
START: TUE DEC 13,11 1:00:01 AM
BEG FUEL LEVEL: 48.7165 in
BEG WATER LEVEL: 0.0000 in
3560.648 gal, 58.83 °F
3560.913 gal, 58.83 °F
3560.527 gal, 58.85 °F
3560.339 gal, 58.83 °F
END: TUE DEC 13,11 5:05:35 AM
END FUEL LEVEL: 48.7191 in
END WATER LEVEL: 0.0000 in

EPA-R5-2019-007302_ED_003011_00002932

AUTO LEAK TEST
TUE JAN 25,11 5:05:24 AM
STATION NAME:
FRANKIN STREET DEPT.
931 HAMILTON AVE.
FRANKIN,IN,46131

TANK 2 PRODUCT: NO LEAD

LEAK RATE: 0.037 gal/hr
PASS 0.2 GPH TEST

PERCENT OF TANK TESTED: 69.0 %
START: TUE JAN 25,11 1:00:01 AM
BEG FUEL LEVEL: 46.4614 in
BEG WATER LEVEL: 0.0000 in
4190.251 gal, 48.74 °F
4190.657 gal, 48.74 °F
4190.737 gal, 48.74 °F
4190.586 gal, 48.76 °F
END: TUE JAN 25,11 5:05:24 AM
END FUEL LEVEL: 46.4762 in
END WATER LEVEL: 0.0000 in

AUTO LEAK TEST
TUE FEB 01,11 5:05:06 AM
STATION NAME:
FRANKIN STREET DEPT.
931 HAMILTON AVE.
FRANKIN,IN,46131

TANK 1 PRODUCT: NO LEAD

LEAK RATE: -0.093 gal/hr
PASS 0.2 GPH TEST

PERCENT OF TANK TESTED: 38.5 %
START: TUE FEB 01,11 1:00:01 AM
BEG FUEL LEVEL: 29.2443 in
BEG WATER LEVEL: 0.0000 in
2339.592 gal, 41.98 °F
2339.904 gal, 41.98 °F
2340.145 gal, 41.98 °F
2339.296 gal, 41.91 °F
END: TUE FEB 01,11 5:05:06 AM
END FUEL LEVEL: [illegible] in
END WATER LEVEL: [illegible] in

AUTO LEAK TEST
TUE MAR 15,11 5:05:22 AM
STATION NAME:
FRANKIN STREET DEPT.
931 HAMILTON AVE.
FRANKIN,IN,46131

TANK 1 PRODUCT: NO LEAD

LEAK RATE: 0.015 gal/hr
PASS 0.2 GPH TEST

PERCENT OF TANK TESTED: 35.[illegible] %
START: TUE MAR 15,11 1:00:02 AM
BEG FUEL LEVEL: 29.3636 in
BEG WATER LEVEL: 0.0000 in
2366.855 gal, 46.36 °F
2366.992 gal, 46.35 °F
2366.697 gal, 46.38 °F
2366.012 gal, 46.44 °F
END: TUE MAR 15,11 5:05:22 AM
END FUEL LEVEL: 29.3653 in
END WATER LEVEL: 0.0000 in

TANK 2 PRODUCT: NO LEAD

LEAK RATE: -0.061 gal/hr
PASS 0.2 GPH TEST

PERCENT OF TANK TESTED: 48.4 %
START: TUE MAR 15,11 1:00:02 AM
BEG FUEL LEVEL: 30.3524 in
BEG WATER LEVEL: 0.0000 in
2443.157 gal, 46.16 °F
2444.247 gal, 46.18 °F
2443.848 gal, 46.23 °F
2444.968 gal, 46.20 °F
END: TUE MAR 15,11 5:05:22 AM
END FUEL LEVEL: 30.3524 in
END WATER LEVEL: 0.0000 in

STATION NAME:
FRANKIN STREET DEPT.
931 HAMILTON AVE.
FRANKIN,IN,46131

TANK 2 PRODUCT: NO LEAD

LEAK RATE: 0.056 gal/hr
PASS 0.2 GPH TEST

PERCENT OF TANK TESTED: 30.8 %
START: TUE MAR 15,11 1:00:01 AM
BEG FUEL LEVEL: 34.5191 in
BEG WATER LEVEL: 0.0000 in
1962.587 gal, 51.31 °F
1962.719 gal, 51.31 °F
[illegible] gal, 51.31 °F
[illegible] gal, 51.31 °F
END: TUE MAR 15,11 5:05:33 AM
END FUEL LEVEL: [illegible] in
END WATER LEVEL: [illegible] in

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AUTO LEAK TEST
MON SEP 12,11 12:39:41 PM
STATION NAME:
FRANKIN STREET DEPT.
951 HAMILTON AVE.
FRANKIN,IN.46131

TANK 1 PRODUCT: NO LEAD

LEAK RATE: -0.097 gal/hr
PASS 0.2 GPH TEST

PERCENT OF TANK TESTED: 74.1 %
START: TUE SEP 06,11 1:00:01 AM
BEG FUEL LEVEL: 49.5171 in
BEG WATER LEVEL: 0.0000 in
4393.571 gal, 77.70 °F
4393.475 gal, 77.70 °F
4393.452 gal, 77.70 °F
4393.224 gal, 77.72 °F
END: TUE SEP 06,11 5:05:19 AM
END FUEL LEVEL: 49.5141 in
END WATER LEVEL: 0.0000 in

TANK 2 PRODUCT: NO LEAD

LEAK RATE: 0.063 gal/hr
PASS 0.2 GPH TEST

PERCENT OF TANK TESTED: 72.9 %
START: TUE SEP 06,11 1:00:01 AM
BEG FUEL LEVEL: 48.8287 in
BEG WATER LEVEL: 0.0000 in
4326.874 gal, 77.59 °F
4326.926 gal, 77.63 °F
4326.969 gal, 77.61 °F
4327.069 gal, 77.61 °F
END: TUE SEP 06,11 5:05:19 AM
END FUEL LEVEL: 48.8325 in
END WATER LEVEL: 0.0000 in

AUTO LEAK TEST
TUE OCT 18,11 5:05:31 AM
STATION NAME:
FRANKIN STREET DEPT.
951 HAMILTON AVE.
FRANKIN,IN.46131

TANK 1 PRODUCT: NO LEAD

LEAK RATE: -0.096 gal/hr
PASS 0.2 GPH TEST

PERCENT OF TANK TESTED: 45.8 %
START: TUE OCT 18,11 1:00:02 AM
BEG FUEL LEVEL: 33.3429 in
BEG WATER LEVEL: 0.0000 in
2731.616 gal, 69.71 °F
2731.512 gal, 69.71 °F
2731.452 gal, 69.71 °F
2731.328 gal, 69.71 °F
END: TUE OCT 18,11 5:05:31 AM
END FUEL LEVEL: 33.3400 in
END WATER LEVEL: 0.0000 in

TANK 2 PRODUCT: NO LEAD

LEAK RATE: -0.016 gal/hr
PASS 0.2 GPH TEST

PERCENT OF TANK TESTED: 44.5 %
START: TUE OCT 18,11 1:00:02 AM
BEG FUEL LEVEL: 32.6565 in
BEG WATER LEVEL: 0.0000 in
2658.282 gal, 69.15 °F
2658.285 gal, 69.13 °F
2658.271 gal, 69.13 °F
2658.230 gal, 69.13 °F
END: TUE OCT 18,11 5:05:31 AM
END FUEL LEVEL: 32.6494 in
END WATER LEVEL: 0.0000 in

EPA-R5-2019-007302_ED_003011_00002932

APPENDIX F

OFF-SITE SOURCE DOCUMENTATION

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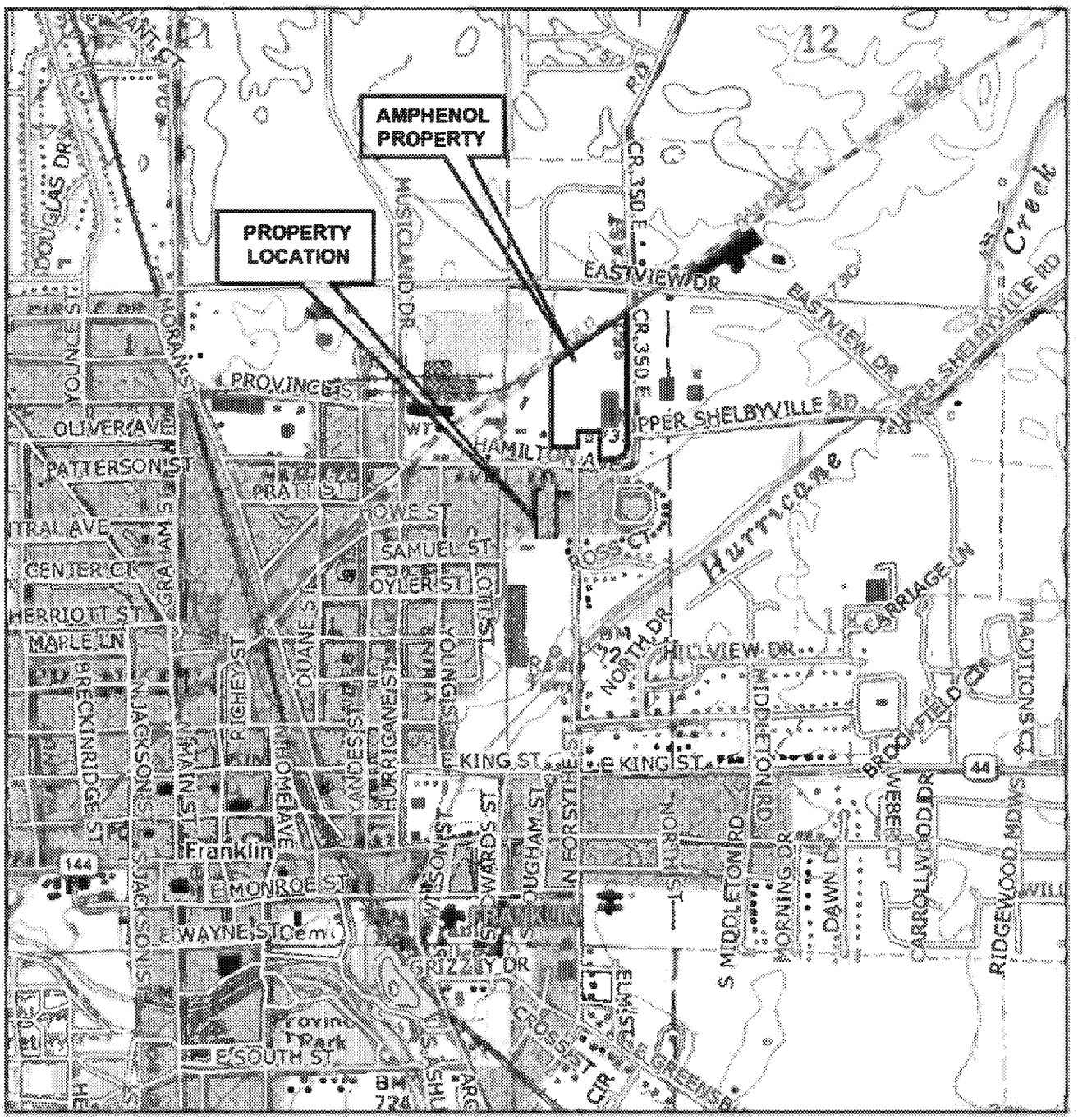


Base map obtained from © DeLorme Topo North America ™ 10.

USGS QUADRANGLE(s) REFERENCED

FRANKLIN (IN) 1994

0' 2000'

SCALE: 1" = 2000'

NORTH

May 30, 2013 - 1:37pm - jblake \\Smefile\work in progress\067138.00\CAD\DWGS\rev1\67138.00-04.dwg

sme

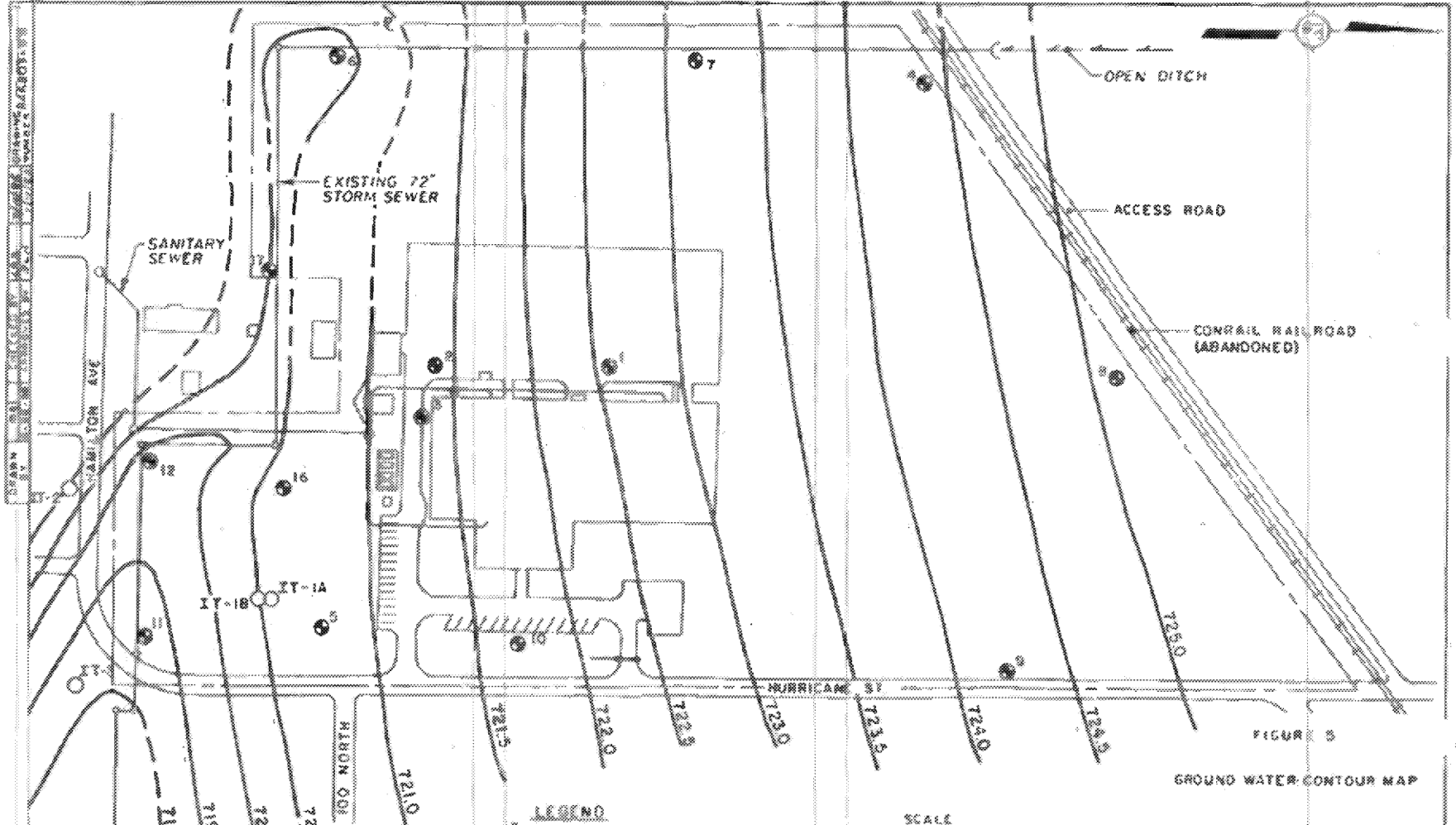
www.sme-usa.com

Indiana
Michigan
Ohio

Date	5-30-13
Drawn By	JAB
Scale	1" = 2000'
Project	067138.00

PROPERTY LOCATION MAP
FRANKLIN STREET DEPT. UST CLOSURE
951 HAMILTON AVENUE
FRANKLIN, INDIANA

Figure No. F-1



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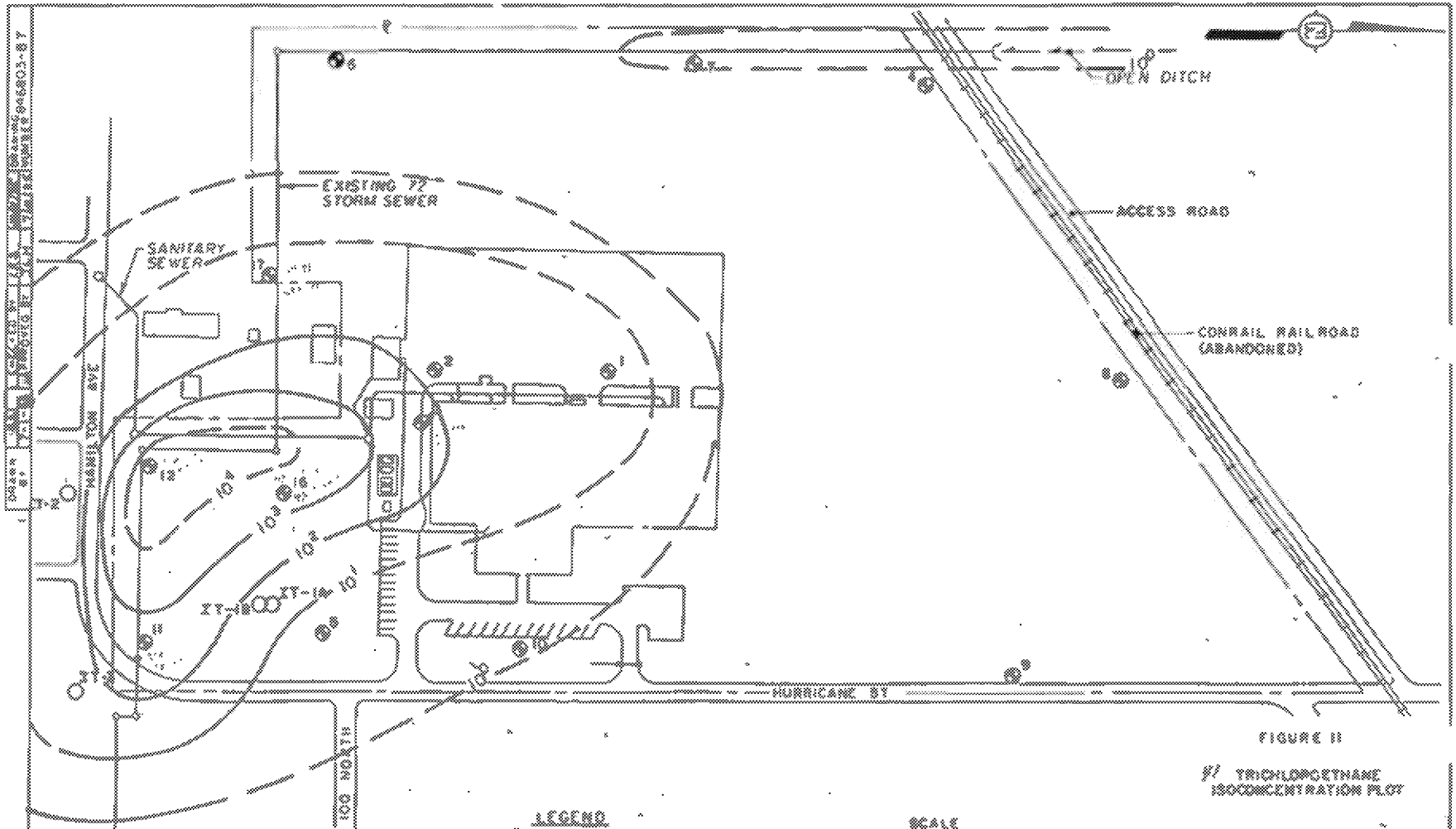
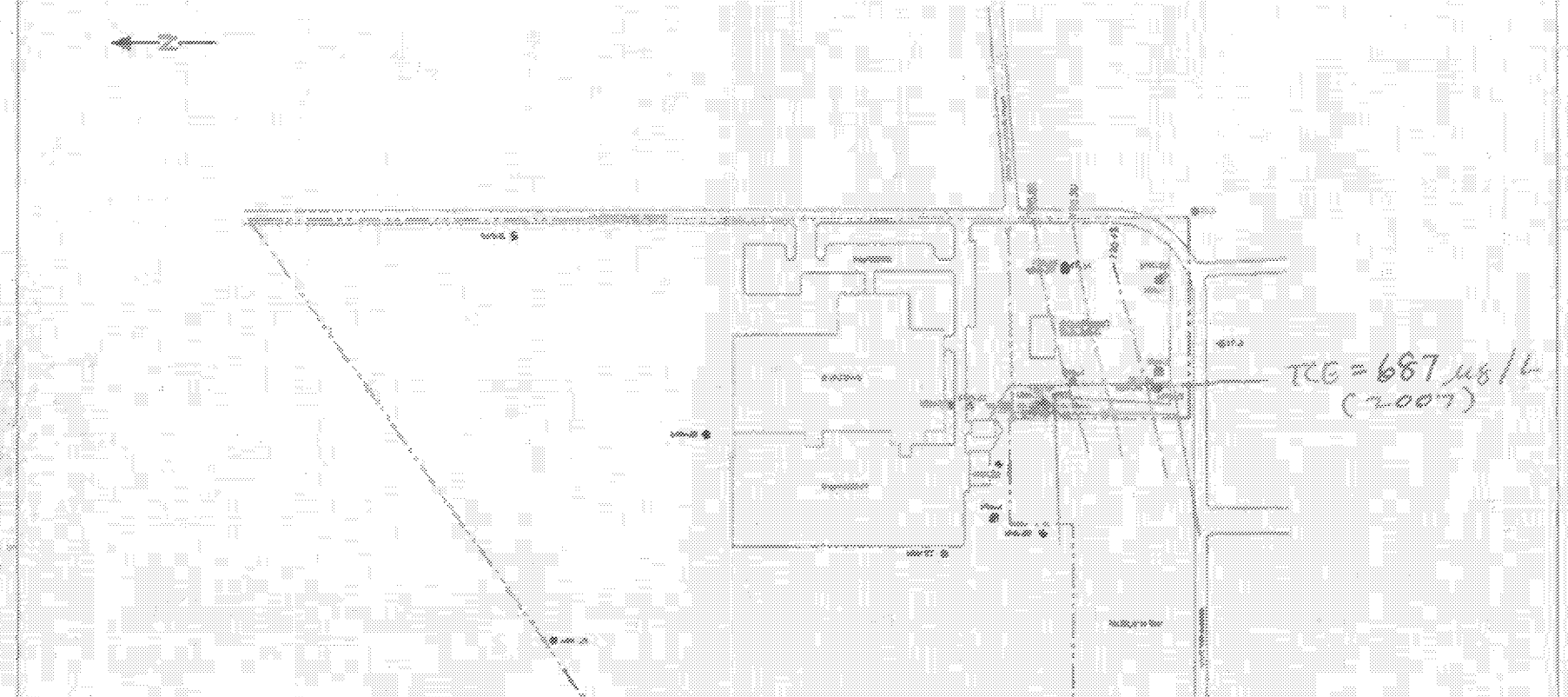


FIGURE II

EPA-R5-2019-007302_ED_003011_00002932



APPENDIX B
STRATIGRAPHIC UNIT D
GROUNDWATER
ELEVATION MAP
AUGUST 20, 2002

FORMER AMPHENOL SITE
930 HURRICANE ROAD
FRANKLIN, INDIANA

WM

EPA-R5-2019-007302_ED_003011_00002932

Former Amphenol Facility
860 Hurricane Road
Franklin, Indiana
VOC Groundwater Analytical Results

Well	Sampling Date	Benzene	1,1,1-TCA	cis-1,2-DCE	trans-1,2-DCE	1,1-DCE	PCE	TCE	1,1-DCA	1,2-DCA	1,2,3-TCB	1,2,4-TCB	1,2,4-TMB
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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Notes:
Results in micrograms per liter (µg/L)
NA - not applicable
J - Estimated value
Samples were analyzed for VOCs using USEPA Method 8260 B.
Only VOCs with detectable concentrations and the more common VOCs historically detected at the site are included in table format. Please see the corresponding analytical report for an entire list of the VOCs analyzed.

Appendix 1

EPA-R5-2019-007302_ED_003011_00002932

RBCA SITE ASSESSMENT | **TIER 2 TRANSIENT DOMENICO ANALYSIS**

Site Name: Amphenol
Site Location: Franklin, IN

Completed By: Keith Egan
Date Completed: 30-May-13

Job ID:

Constituent: Trichloroethylene
Source Medium: Affected Groundwater
Biodegradation: 1st Order

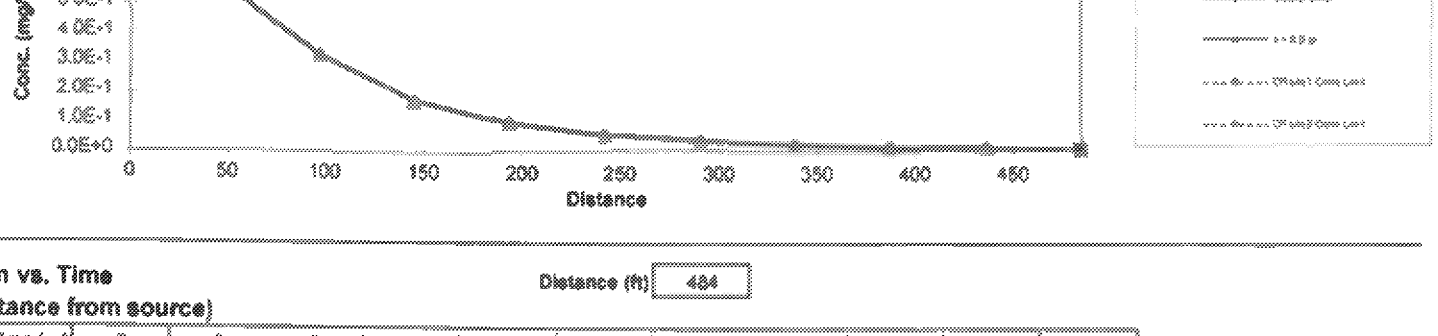
Concentration vs. Distance from Source (for given time)

Time (yr) 6.0

Distance (ft)		0	48.4	96.8	145.2	193.6	242	290.4	338.8	387.2	435.6	484
t = 6.0 yr	Conc. (mg/L)	8.0E-1	8.0E-1	3.3E-1	1.7E-1	9.0E-2	5.0E-2	3.4E-2	2.2E-2	1.4E-2	9.7E-3	6.6E-3
Steady-state		8.0E-1	8.0E-1	3.3E-1	1.7E-1	9.6E-2	6.0E-2	3.9E-2	2.3E-2	1.5E-2	1.1E-2	7.6E-3

Off-site1	Off-site2
MCL	None
484	NA
8.0E-3	NA
7.6E-3	NA
5.0E-3	NA

POE Concentration Limit (mg/L)



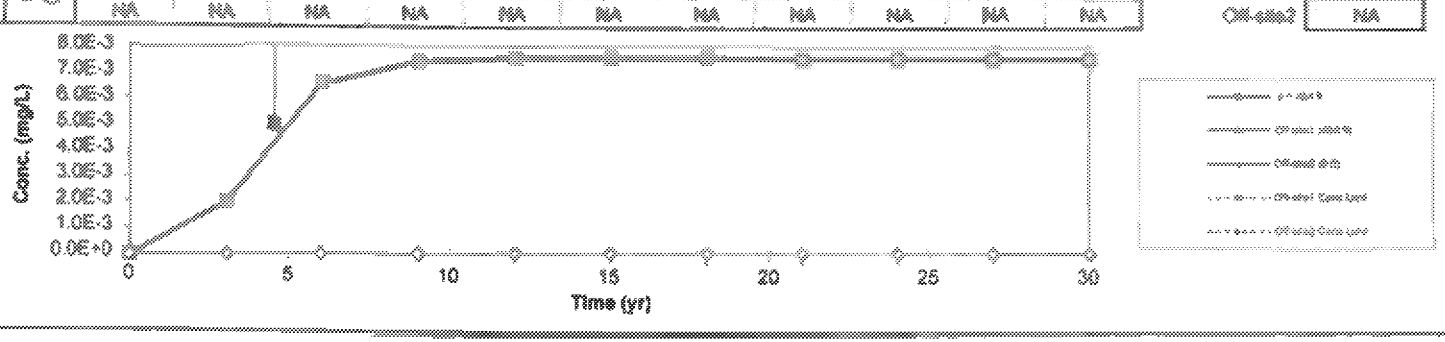
Concentration vs. Time (for given distance from source)

Distance (ft) 484

Time (yr)		0	3	6	9	12	15	18	21	24	27	30
x = 484 ft	Conc. (mg/L)	0.0E+0	3.0E-3	6.0E-3	7.5E-3	7.6E-3	7.6E-3	7.6E-3	7.6E-3	7.6E-3	7.6E-3	7.6E-3
Off-site1 (484 ft)		0.0E+0	3.0E-3	6.0E-3	7.5E-3	7.6E-3	7.6E-3	7.6E-3	7.6E-3	7.6E-3	7.6E-3	7.6E-3
Off-site2 (0 ft)		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Time to Reach Conc. Limit (yr)

Off-site1	4.5
Off-site2	NA



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Main Screen

RBCA Tool Kit for Chemical Releases
Version 2.6 © 2011 GSI Environmental Inc.

1. Project Information

Site Name: Amphenol
Location: Franklin, IN
Completed By: Keith Egan
Date: 30-May-13 Job ID:

2. Which Type of RBCA Analysis?

Tier 1 — Risk-Based Screening Levels

Tier 2/3 — Site-Specific Target Levels

3. Calculation Options

Affects which input data are required

- [x] *Baseline Risks (Forward mode)*
- [ ] *RBCA Cleanup Levels (Backward mode)*

- ○ Individual Constituent Risk Goals Only
- ◉ Individual and Cumulative Risk Goals

- [ ] Apply Source Depletion Algorithm

4. RBCA Evaluation Process

Prepare Input Data (Data Complete? (■ yes, ■ no)	*Review Output*
■ Exposure Pathways	Exposure Flowchart
■ Constituents of Concern (COCs)	COC Chem. Parameters
■ Transport Models	Input Data Summary
Soil Parameters	User-Spec. COC Data...
■ GW Parameters	Transient Domenico Analysis...
Air Parameters	Baseline Risks...
	Cleanup Levels...

5. Commands and Options

New Site | Load Data... | Save Data | User Chemical Database
Set Units | Print Sheet | Print Report
Help | Quit

EPA-R5-2019-007302_ED_003011_00002932

Exposure Pathway Identification

1. Groundwater Exposure

Groundwater Ingestion/ Surface Water Impact

Receptor: MCL | MCL | None

On-site | Off-site1 | Off-site2

Distance: | 464 | (ft)

Source Media:

- [x] Affected Groundwater
- [ ] Affected Soils Leaching to Groundwater

Option:

- [ ] Apply MCL value as ingestion RBEL (backward mode only)

Enter Criteria

2. Surface Soil Exposure

Combined Exposure

Source Media:

Receptor: None

On-site

Vag Options

Site Name: Amphenol
Location: Franklin, IN
Compl. By: Kelly Egan
Job ID:
Date: 30-May-13

3. Air Exposure

Volatilization and Particulates to Outdoor Air Inhalation

Receptor: None | None | None

On-site | Off-site1 | Off-site2

Distance: (ft)

Source Media:

Volatilization to Indoor Air Inhalation

Receptor: None | None | None

On-site | Off-site1 | Off-site2

Distance: (ft)

Source Media:

4. Commands and Options

Main | Print | Set | Help

Exposure Factors & Target Risks | Exposure Flowchart

EPA-R5-2019-007302_ED_003011_00002932

RBCA Tool Kit for Chemical Releases, Version 2.8

Site Name: Amphenol
Location: Franklin, IN
Compl. By: Keith Egan
Job ID:
Date: 30-May-13

Commands and Options

Main Screen | Print Sheet | Help

Source Media Constituents of Concern (COCs)

Apply Raoult's Law ?

Selected COCs ?

COC Select: Sort List:

Add/Insert | Top | MoveUp

Delete | Bottom | MoveDow

Trichloroethylene

Representative COC Concentration ?

Groundwater Source Zone

Enter Directly | Enter Site Data

(mg/L) | note

6.9E-1 | MW12

Soil Source Zone

Enter Directly | Enter Site Data

View Chemical Parameters

RBCA Tool Kit for Chemical Releases, Version 2.6

Site Name: Ampheret
Location: Franklin, IR
Compl. By: Keith Egan
Job ID:
Date: 30-May-13

Commands and Options

Return | Print Sheet | Paste Default Values | *Help*

Constituent Decay Rates

Constituent	Saturated Zone Half-Life (day)	Saturated Zone First-Order Decay Coefficient (1/day)	Unsaturated Zone Half-Life (day)	Unsaturated Zone First-Order Decay Coefficient (1/day)
Trichloroethylene	7.2E+2	9.6E-4	7.2E+2	9.6E-4

RBCA Tool Kit for Chemical Releases, Version 2.6

Transport Modeling Options

1. Vertical Transport, Surface Soil Column

ASTM Model

Enter VF Values

More Info: BioVapor model

Enter VF Values

Enter Decay Rates

Enter LF Values

Off-site 1: 1.00E+0

Off-site 2: 1.00E+0 (-)

Site Name: Amphenol

Location: Franklin, IN

Compl. By: Keith Egan

Job ID:

Date: 30-May-13

3. Groundwater Dilution Attenuation Factor

Calculate DAF using Domenico Model

- Domenico equation with dispersion only (no biodegradation)
- Domenico equation first-order decay — Enter Decay Rates
- Modified Domenico equation using electron acceptor superposition — Enter Site Data

User-Specified DAF Values

- DAF values from other model or site data — Enter DAF Values

4. Chemical Decay and Source Depletion

Enter Decay Rates

Enter Source Mass

5. Commands and Options

Main Screen | Print Sheet | Help

Site-Specific Groundwater Parameters

1. Water-Bearing Unit

Hydrogeology

Groundwater Darcy velocity	5.8E-5	(cm/s)
Groundwater seepage velocity	1.3E-4	(cm/s)
or Calculate	or	
Hydraulic conductivity	1.0E-3	(cm/s)
Hydraulic gradient	0.05	(-)
Effective porosity	0.38	(-)

Sorption

Fraction organic carbon-saturated zone	0.001	(-)
Groundwater pH	8.2	(-)

2. Groundwater Source Zone

Groundwater plume width at source	100	(ft)
Plume (mixing zone) thickness at source	10	(ft)
Enter Directly	or	

Site Name: Amphenol
Location: Franklin, IN
Compl. By: Keith Egan
Job ID:
Date: 30-May-13

3. Groundwater Dispersion

Model: ASTM Default

	GW Ingestion		GW to Indoor Air		
	Off-site 1				
Distance to GW receptors	484				(ft)
Calculate					
Longitudinal dispersivity	41.4				(ft)
Transverse dispersivity	15.972				(ft)
Vertical dispersivity	2.42				(ft)

8. Commands and Options

Main Screen | Use/Set Default | Print Sheet
Set Units | Help

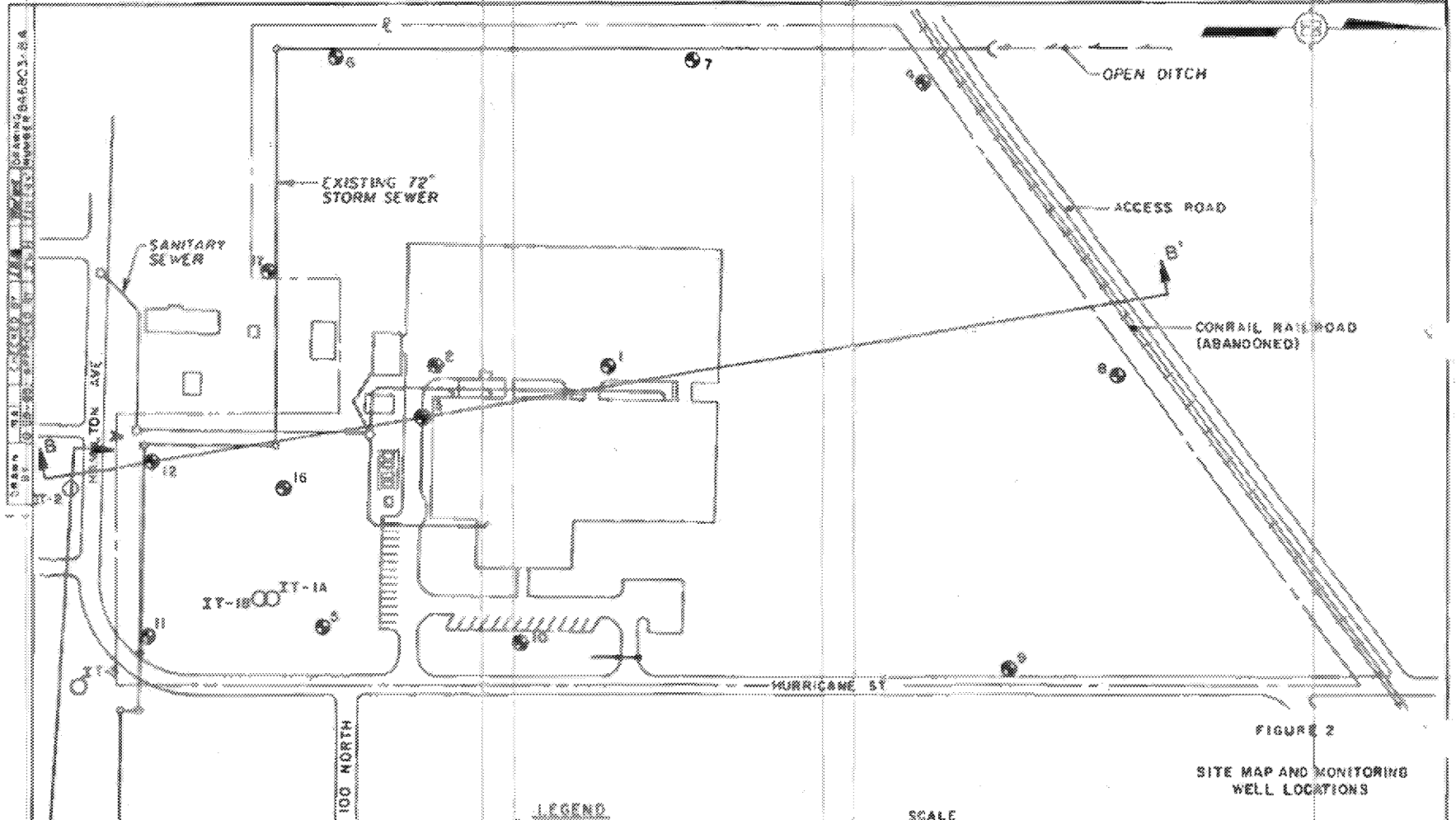
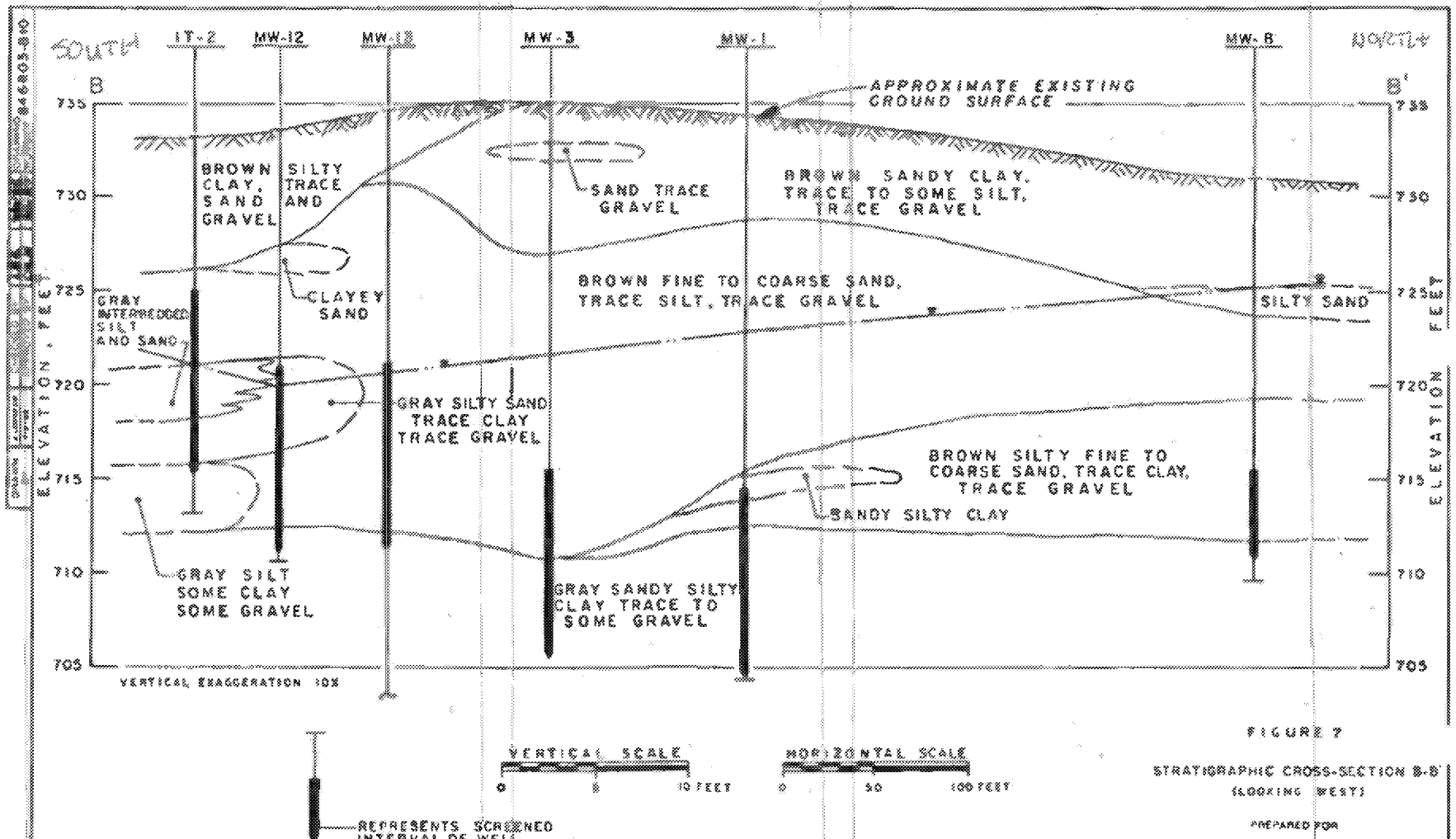


FIGURE 2

SITE MAP AND MONITORING WELL LOCATIONS

PREPARED FOR
ALLIED CORPORATION
AMPHENOL PRODUCTS DIVISION
BENDIX CONNECTOR OPERATIONS
FRANKLIN, INDIANA

EPA-R5-2019-007302_ED_003011_00002932



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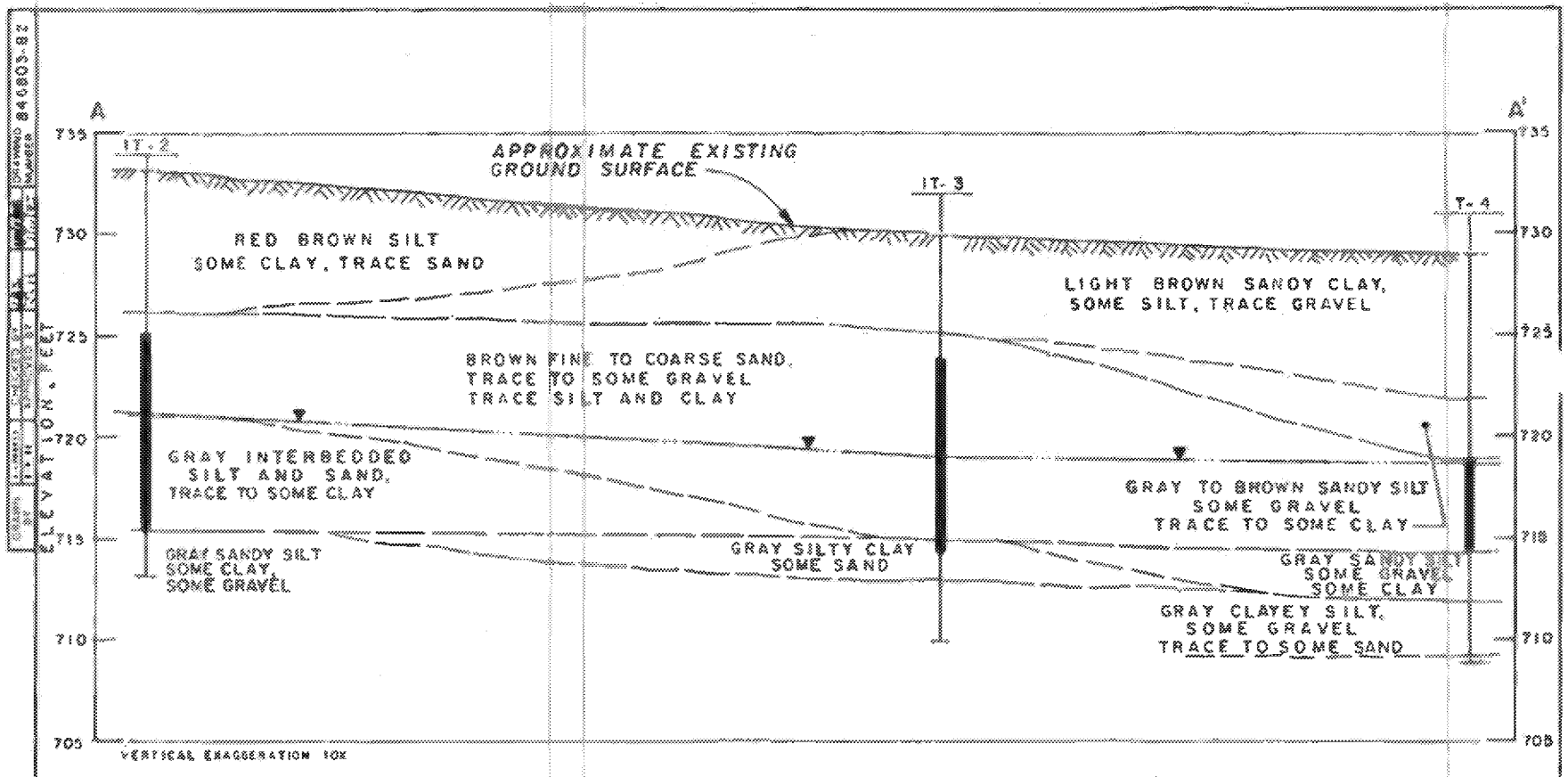

VERTICAL SCALE: 0 5 10 FEET

HORIZONTAL SCALE: 0 50 100 FEET

GROUND WATER TABLE AS MEASURED 8/3/88

REPRESENTS SCREENED INTERVAL OF WELL

NOTE:
FOR CROSS SECTION LOCATION, SEE FIGURE 2.

FIGURE 6

STRATIGRAPHIC CROSS-SECTION A-A'
(LOOKING NORTH)

PREPARED FOR

ALLIED CORPORATION
AMPHENOL PRODUCTS DIVISION
BENDIX CONNECTOR OPERATIONS
FRANKLIN, INDIANA

IT ... Creating a Better Tomorrow

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