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Prepared for:

City of South Bend Brownfields Coalition
227 West Jefferson Boulevard, 13th Floor
South Bend, Indiana 46601

Phase II Environmental Site Assessment Report

214 West Patterson Street
Lakeville, Indiana 46536

Symbiont Project No. W150460
September 27, 2016

Prepared for:

City of South Bend Brownfields Coalition
227 West Jefferson Boulevard, 13th Floor
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Phase II
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Lakeville, Indiana 46536

Symbiont Project No. W150460
September 27, 2016

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ACRONYMS AND ABBREVIATIONS

AST	Aboveground Storage Tank
amsl	Above Mean Sea Level
bgs	Below Ground Surface
Coalition	City of South Bend Brownfields Coalition
ESA	Environmental Site Assessment
EPA	United States Environmental Protection Agency
GPR	Ground Penetrating Radar
HEA	Heartland Environmental Associates, Inc
IDEM	Indiana Department of Environmental Management
LUST	Leaking Underground Storage Tank
mg/kg	Milligrams per Kilogram
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PAH	Polycyclic Aromatic Hydrocarbon
PID	Photoionization Detector
ppm	Parts Per Million
Pace	Pace Analytical, Indianapolis, IN
PVC	Polyvinyl Chloride
QAPP	Quality Assurance Project Plan
QA/QC	Quality Assurance/Quality Control
RCG	Remediation Closure Guide
REC	Recognized Environmental Condition
RSL	Residential Screening Level
RMGSL	Residential Migration to Groundwater Screening Levels
SAG	Site Assessment Grant
SAP	Sampling and Analysis Plan
Site	214 West Patterson Street, South Bend, IN
Symbiont	Symbiont Science, Engineering and Construction
µg/l	Micrograms per Liter
UST	Underground Storage Tank
VOC	Volatile Organic Compound

EXECUTIVE SUMMARY

This Phase II Environmental Site Assessment (ESA) Report summarizes the results of an environmental investigation of the property located at 214 West Patterson Street, Lakeville, Indiana (referred to as the "Site" or the "property") (Figure 1).

The Phase II ESA was conducted in accordance with a site-specific Sampling and Analysis Plan prepared by Symbiont and Heartland Environmental Associates, Inc. (Heartland, Symbiont, 2016) and approved by the United States Environmental Protection Agency (EPA). The Phase II ESA was completed under the City of South Bend Brownfields Coalition's EPA Community-Wide Brownfield Site Assessment Grant.

The purpose of the Phase II ESA was to evaluate recognized environmental conditions (RECs) identified in the Phase I Environmental Site Assessment (Heartland, 2015).

CONCLUSIONS

The following conclusions regarding Site conditions are based on the results of the Phase II ESA.

Soil

- Volatile organic compounds (VOCs) including: 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene and benzene were detected in one soil sample collected at the Site at concentrations exceeding their respective Indiana Department of Environmental Management (IDEM), Remediation Closure Guide (RCG), Residential Migration to Groundwater Screening Levels (RMGSLs). The presence of VOCs in soil at this location is likely related to the prior Site use of petroleum product aboveground storage tanks (ASTs).

- Polycyclic aromatic hydrocarbon (PAH) naphthalene was detected in one soil sample collected at the Site at a concentration exceeding its respective IDEM RCG RMGSL. The presence of naphthalene is likely related to the prior Site use of petroleum product ASTs.

- Lead was detected in each of the soil samples collected at the Site. Detected concentrations of lead did not exceed its IDEM RCG RMGSL.

Groundwater

- VOCs including: 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, benzene and ethylbenzene were detected in one groundwater sample collected at the Site at concentrations exceeding their respective IDEM RCG Residential Screening Levels (RSL). The presence of VOCs in Site groundwater at this location is likely related to the prior Site use of petroleum product ASTs.

- PAHs including: 1-methylnaphthalene, 2-methylnaphthalene and naphthalene were detected one groundwater sample collected at the Site at concentrations exceeding their respective IDEM RCG RSLs. The presence of PAHs in Site groundwater at this location is likely related to the prior Site use of petroleum product ASTs.

- Lead was detected in each of the groundwater samples collected at the Site at concentrations exceeding the IDEM RCG RSL. The potential exists, due to the limited lead impacts encountered in soil, that lead impacts in groundwater are a result of elevated turbidity in groundwater samples collected from temporary groundwater piezometers and are not a result of impacts due to historic site usage.

RECOMMENDATIONS

Based on the results of field observations, and soil and groundwater analytical data, there appears to be impacts to soil and groundwater associated with the REC (former ASTs).

This Site is located in a mixed-use residential and commercial area. The Site is provided with municipal water by the Town of Lakeville. Potential exposure pathways to impacted groundwater are limited due to the Site being service by municipal water. However; the extent of groundwater impacts at the Site should be further assessed through additional groundwater sampling. In particular, the area downgradient (south, southwest) of the identified impacts should be further assessed.

Interested parties may wish to retain legal counsel in this matter as Symbiont and Heartland are not qualified to provide legal advice.

Section 1.0
INTRODUCTION

This Phase II Environmental Site Assessment (ESA) Report summarizes the results of an environmental investigation of the property located at 214 West Patterson Street, Lakeville, Indiana (herein referred to as the "Site" or "property"). The Phase II ESA was completed in accordance with a site-specific Sampling and Analysis Plan (SAP) prepared by Symbiont (Symbiont, 2016) and approved by the United States Environmental Protection Agency (EPA). The Phase II ESA was completed as part of an EPA Community-Wide Brownfield Site Assessment Grant awarded to the City of South Bend Brownfields Coalition (Coalition) in September 2014 under Cooperative Agreement BF-00E01371. The Site location map is provided as Figure 1.

The purpose of the Phase II ESA was to evaluate recognized environmental conditions (RECs) identified in the Phase I ESA (Heartland, 2016). Specifically, the purpose of the assessment was to determine if there is evidence of petroleum product impacts at the Site that constitute a release, or provide sufficient information to render a professional opinion that there is no reasonable basis to suspect the presence of petroleum products at the Site.

Supporting documentation is presented in the following appendices:

- Appendix A – Soil Boring Logs
- Appendix B – Laboratory Reports

Section 2.0
BACKGROUND INFORMATION

2.1 SITE DESCRIPTION/BACKGROUND

The site is located on approximately 4.5-acres situated on one parcel (Parcel # 020-1057-0005). The Site was historically utilized as an agricultural barn used for storage of machining implements and agricultural related items. This barn was constructed in the mid to the late 1930s. The northern portion of the site historically operated at least two aboveground storage tanks (ASTs) for storage of bulk petroleum, which was utilized by neighboring farms for fueling farm machinery. The barn is currently being utilized for the storage of resin, and the central and southern portion of the site remain undeveloped. The property is currently owned by Jeff Ritschard. A site location map is provided as Figure 1.

2.2 PHYSICAL SETTING

The Site elevation is approximately 838 feet above mean sea level. The Site is generally flat and gently slopes to the south.

2.3 RECOGNIZED ENVIRONMENTAL CONDITIONS

A Phase I ESA conducted in November 2015 (Heartland, 2015), identified the following RECs at the Site.

Historical Property Use and Historical Presence of Two Aboveground Storage Tanks

- According to historic site documentation and site interviews, the northern portion of the Site operated as a barn used to store agricultural implements. The Site operated at least two ASTs, located directly east of the barn building (Figure 2). The ASTs were utilized for the storage of bulk petroleum products, and were used to serve the local farming community. These ASTs were of unknown size, and operated from at least the 1950s through the 1970s. No record of the removal or disposal of these ASTs was uncovered as part of this Phase I ESA.

The Phase I ESA recommended that a Phase II ESA be conducted to assess the Site for the presence of petroleum impacts to soil and/or groundwater based on historic usage of the Site, specifically the ASTs. This report has been prepared to describe field investigation activities and investigation results. Phase II ESA activities were conducted in accordance with the Phase II Sampling and Analysis Plan (SAP) (Symbiont and Heartland, 2016).

2.4 OBJECTIVE AND SCOPE OF WORK

The objective of this Phase II ESA was to evaluate the REC identified in the Phase I ESA (Heartland, 2016). Specifically, the purpose of the assessment is to determine if there were petroleum product releases associated with the former ASTs located on the Site.

Field investigation activities and laboratory analyses were conducted in accordance with the SAP (Symbiont and Heartland 2016) and the Quality Assurance Project Plan (QAPP) (Heartland, 2016).

The scope of work for investigation of potential Site soil impacts included:

- Sample collection and descriptive logging of soil at three boring locations within the vicinity of the former ASTs.

- Field screening of soil samples in each boring using a photoionization detector (PID) for the presence of volatile organic compounds (VOCs).

- Soil samples collected in the vicinity of the former AST were submitted to an analytical laboratory for lead, polycyclic aromatic hydrocarbons (PAHs), and VOC analysis.

- Field duplicate, trip blank, matrix-spike (MS) and matrix-spike duplicate (MSD) samples were collected and also analyzed in accordance with the SAP and QAPP.

- Surveying of boring locations.

The scope of work for investigation of potential Site groundwater impacts included:

- Completion of all three soil borings as temporary one-inch diameter polyvinyl chloride (PVC) groundwater monitoring wells.

- Measurement of water levels and confirmation of the presence/absences of light non-aqueous phase liquids (LNAPL), and development and sampling of temporary wells.

- Laboratory analysis of groundwater samples for dissolved lead, PAHs and VOCs. Field duplicate, trip blank, MS and MSD samples were collected and submitted to the laboratory for analysis in accordance with the SAP and QAPP.

Section 3.0
METHODS OF INVESTIGATION

This section summarizes the methods of investigation used to perform the field and laboratory portions of the Phase II ESA.

3.1 SOIL ASSESSMENT

Soil Boring Installation

Three soil borings were installed using Geoprobe® direct-push drilling techniques.

The soil types and observations were described and recorded by an onsite geologist. Soil boring logs are provided in Appendix A. The locations of boreholes are shown in Figure 2.

All probe drilling rods and soil sampling equipment were decontaminated prior to arrival onsite and between soil boring locations. Sampling equipment was decontaminated with an Alconox™ equivalent wash followed by clean tap water or distilled water rinses.

Field Screening

Soil samples from approximately every one to two-foot interval of subsurface were field screened for the presence of VOCs using a PID. The results were recorded in parts per million (ppm) and are reported on the soil boring logs (Appendix A).

Sampling and Laboratory Analysis

One soil sample was collected from each soil boring for laboratory analysis. Soil samples for laboratory analyses were collected from immediately above the water table, which was estimated at approximately 7 feet below ground surface (bgs).

Soil samples for laboratory analysis were placed directly into laboratory-supplied containers, preserved as appropriate, and immediately placed in a cooler on ice for shipping to Pace Analytical Services, Inc. in Indianapolis, Indiana (Pace) under a chain of custody for analysis.

Soil samples were analyzed for lead using EPA Method 6010B, PAHs using EPA Method 8270 SIM and VOCs using EPA Method 8260B. Field duplicate samples were submitted for lead, PAHs and VOCs. Trip blanks were submitted to the laboratory for VOC analysis. In order to ensure that the laboratory's data precision and accuracy were maintained, soil MS and MSD samples were submitted to the laboratory for analysis. Laboratory reports are provided in Appendix B.

Evaluation Criteria

Potential environmental impacts to soil were evaluated by comparing the concentrations of the detected constituents with their respective Indiana Department of Environmental Management (IDEM) Remediation Closure Guide (RCG) Residential Migration to Groundwater Screening

Levels (RMGSLs) and Residential Direct Contact Screening Levels, as issued March 2012 and amended March 2016.

3.2 GROUNDWATER ASSESSMENT

Temporary Monitoring Well Installation

Temporary monitoring wells constructed of 1-inch diameter schedule 40 polyvinyl chloride blank well casing and 0.010-inch slotted well screens were installed at each of the three soil boring locations. Quartz filter sand was placed in the annular space between the borehole wall and the outside of each screen. The annular space above the filter pack was filled to the ground surface with granular bentonite to serve as a seal to prevent infiltration of surface water runoff into the borings. The locations of the temporary wells provided in Figure 2.

Water Level Measurements

After the wells were developed and given time to recharge, static groundwater level measurements were collected. The water level recorded at each monitoring well was used to determine the surface elevation of the water table at each well. Measurements were recorded using a Solinist™ water level indicator which was decontaminated between each well. The approximate depth to the water table is presented in Table 3. An oil/water interface probe was used to determine the presence or absence of LNAPL in each of the temporary monitoring wells. LNAPL was not detected in any of the temporary monitoring wells.

Sampling and Laboratory Analysis

Temporary groundwater monitoring wells were allowed to stabilize following well installation for at least 24-hours prior to sampling. Groundwater samples were collected from each temporary well utilizing dedicated disposable bailers after allowing for the 24-hour stabilization period.

Groundwater samples for lead analysis were collected with a disposable bailer and placed into a non-preserved container and filtered by the laboratory prior to analysis. Groundwater samples collected for PAH analysis were collected with a disposable bailer and samples were placed directly into laboratory supplied non-preserved amber glass jars. Groundwater samples collected for VOC analysis were collected with a disposable bailer and samples were placed directly into laboratory-supplied sample jars containing a hydrochloric acid preservative. Samples were then labeled and placed in a cooler on ice for shipping to Pace under a chain of custody for analysis.

Groundwater sample analyses included lead, PAHs and VOCs. Field sampling precision and data quality was evaluated through the use of sample duplicates and trip blanks. Field duplicate samples were submitted for lead PAHs and VOCs analysis. Trip blanks were submitted to the laboratory for VOC analysis. Groundwater MS and MSD samples were also submitted to the laboratory for analysis. Laboratory reports are provided in Appendix B.

Evaluation Criteria

Potential environmental impacts to groundwater were evaluated by comparing the concentrations of the detected constituents with their respective IDEM RCG Residential Screening Levels (RSLs), as issued March 2012 and amended March 2016.

Section 4.0
PHASE II ENVIRONMENTAL SITE ASSESSMENT RESULTS

Soil and groundwater sample locations are depicted on Figure 2. Laboratory reports for soil and groundwater are provided in Appendix B and summarized in Tables 1 and 2. Water level measurements are summarized in Table 3.

4.1 SOIL CONDITIONS

The following sections describe the results of the Phase II ESA soil investigation.

4.1.1 Field Observations

Two borings, SB-1 and SB-3, were drilled to a depth of 16 feet bgs. Soil boring SB-2 was drilled to a depth of approximately 15 feet bgs. All boring locations are capped with approximately 8-inches of topsoil (Appendix A).

The Site is generally underlain by discontinuous hard clays, fine sands, coarse sands, and some coarse gravels. The water table is generally encountered in a coarse grained sand that occurs at approximately 6 to 8 feet bgs (Appendix A).

VOC were detected using a PID at concentrations exceeding 1.0 ppm in soil samples from boring SB-1. The maximum PID reading in soil samples collected at SB-1 were 885 ppm at approximately 13 feet bgs (Appendix A).

4.1.2 Laboratory Analytical Results

Laboratory analytical results for soil samples are summarized in Table 1. Sample results are discussed in the following paragraphs.

Lead in Soil

Lead was detected in all soil samples collected from each of the soil borings drilled and sampled on Site. Concentrations of lead ranged from 8.9 milligrams per kilogram (mg/kg) in a soil sample collected from 10 to 12 feet bgs from soil boring SB-2 to 10.4 mg/kg in a soil sample collected from 12 to 14 feet bgs from soil boring SB-1 (Table 1; Appendix B).

VOCs in Soil

VOCs including 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, and benzene were detected in one soil sample collected at the Site. Concentrations of these compounds were 33.8 mg/kg, 12.5 mg/kg, and 0.21 mg/kg, respectively; in a soil sample collected from SB-1 from 12 to 14 feet bgs. The benzene detection of 0.21 was flagged by the laboratory as estimated since the detected value was between the method detection limit and the laboratory reporting limit (Table 1; Appendix B).

VOCs were not detected above analytical method detection limits in soil samples collected from borings SB-2 and SB-3

PAHs in Soil

Naphthalene was detected in one soil sample collected at the Site. The concentration of naphthalene was 0.71 mg/kg in a sample collected at SB-1 from 12 to 14 feet bgs.

PAHs were not detected above analytical method detection limits in soil samples collected from borings SB-2 and SB-3

4.2 GROUNDWATER CONDITIONS

The following sections describe the results of the groundwater investigation.

4.2.1 Site Hydrogeology

Depth to groundwater was measured in Site temporary monitoring wells on July 20, 2016. The Depth to groundwater at the site ranged from approximately 7.42 feet bgs to 9.35 feet bgs. The apparent flow direction of groundwater across the Site is primarily to the south-southwest (Table 3).

4.2.2 Laboratory Analytical Results

Laboratory analytical results for groundwater samples are summarized in Table 2. Sample results are discussed in detail in the following paragraphs.

Lead in Groundwater

Lead was detected in each of the groundwater samples collected at the Site. Concentrations of lead in groundwater ranged from 217 micrograms per liter (µg/l) in a groundwater sample collected from temporary well SB-2 to 2,970 µg/l in a groundwater sample collected from temporary well SB-3 (Table 2).

VOCs in Groundwater

Multiple VOCs including: 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene,, benzene and ethylbenzene were detected in the groundwater sample collected from temporary monitoring well SB-1 (Table 2; Appendix B).

VOCs were not detected above analytical method detection limits in the groundwater samples collected from temporary monitoring wells SB-2 and SB-3.

PAHs in Groundwater

PAHs including 1-methylnaphthalene, 2-methylnaphthalene and naphthalene were detected in the groundwater sample collected from temporary monitoring well SB-1 (Table 2; Appendix B).

PAHs were not detected above analytical method detection limits in the groundwater samples collected from temporary monitoring wells SB-2 and SB-3.

Section 5.0
CONCLUSIONS AND RECOMMENDATIONS

The following paragraphs summarize the conclusions and recommendations of this Phase II ESA.

5.1 CONCLUSIONS

Soil

- VOCs including: 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene and benzene were detected in one soil sample collected at the Site at concentrations exceeding their respective IDEM RCG RMGSLs. The presence of VOCs in soil at this location is likely related to the prior Site use of petroleum product ASTs.

- Naphthalene was detected in one soil sample collected at the Site at a concentration exceeding its respective IDEM RCG RMGSL. The presence of naphthalene is likely related to the prior Site use of petroleum product ASTs.

- Lead was detected in each of the soil samples collected at the Site. Detected concentrations of lead did not exceed its IDEM RCG RMGSL.

Groundwater

- VOCs including: 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, benzene and ethylbenzene were detected in one groundwater sample collected at the Site at concentrations exceeding their respective IDEM RGC RSL. The presence of VOCs in Site groundwater at this location is likely related to the prior Site use of petroleum product ASTs.

- PAHs including: 1-methylnaphthalene, 2-methylnaphthalene and naphthalene were detected one groundwater sample collected at the Site at concentrations exceeding their respective IDEM RCG RSLs. The presence of PAHs in Site groundwater at this location is likely related to the prior Site use of petroleum product ASTs.

- Lead was detected in each of the groundwater samples collected at the Site at concentrations exceeding the IDEM RCG RSL. The potential exists, due to the limited lead impacts encountered in soil, that lead impacts in groundwater are a result of elevated turbidity in groundwater samples collected from temporary groundwater piezometers and are not a result of impacts due to historic site usage.

5.2 RECOMMENDATIONS

Based on the results of field observations, and soil and groundwater analytical data, there appears to be impacts to soil and groundwater associated with the REC (former ASTs).

This Site is located in a mixed-use residential and commercial area. The Site is provided with municipal water by the Town of Lakeville. Potential exposure pathways to impacted groundwater is limited due to the Site being service by municipal water. However; the extent of

groundwater impacts at the Site should be further assessed through additional groundwater sampling. In particular, the area downgradient (south, southwest) of the identified impacts should be further assessed.

Interested parties may wish to retain legal counsel in this matter as Symbiont and Heartland are not qualified to provide legal advice.

Section 6.0
LIMITATIONS

The Phase II ESA was performed in accordance with generally accepted practices for the environmental consulting profession, undertaking similar studies at the same time and in the same geographical area as the work conducted by Symbiont and Heartland. Symbiont and Heartland observed the degree of care and skill that are generally exercised by the profession under similar circumstances and conditions. No other warranty is expressed or implied.

Symbiont and Heartland's observations, findings, and opinions should not be considered as scientific certainties, but only as opinion based upon our professional judgment concerning the significance of the data gathered during the course of this investigation. Specifically, Symbiont and Heartland cannot represent that the Property contains hazardous or toxic materials or other latent conditions beyond that observed by Symbiont and Heartland during the course of the investigation. Additionally, due to limitations of the investigation process and the necessary use of data furnished by others, Symbiont, Heartland, and its subcontractors cannot assume liability if actual conditions differ from the information presented in this report.

Section 7.0
REFERENCES

Heartland, 2015, Quality Assurance Project Plan, City of South Bend Brownfields Coalition, Community-Wide Brownfields Assessment Project, prepared for The City of South Bend and Coalition Partners, The City of Mishiwaka, and Saint Joseph County, Indiana, February 2015.

Heartland, 2015, Phase I Environmental Site Assessment, Jeff Ritschard Vacant Property and Vacant Undeveloped Property, 214 West Patterson Street, Lakeville, Indiana, November 13, 2015.

Symbiont, 2016, Sampling and Analysis Plan for Phase II Environmental Site Assessment, 214 West Patterson Street, Lakeville, Indiana 46536, March 23, 2016.

TABLES

TABLE 1

DETECTED CONSTITUENTS IN SOIL
214 WEST PATTERSON STREET
LAKEVILLE, INDIANA

BORING IDENTIFER	SAMPLE DEPTH (feet bgs)	SAMPLE DATE	CONSTITUENT	RESULT (mg/kg)	IDEM RCG SCREENING LEVELS, MARCH 2016			
					SOIL EXPOSURE, DIRECT CONTACT			GROUNDWATER
					RESIDENTIAL (mg/kg)	COMMERCIAL/ INDUSTRIAL (mg/kg)	EXCAVATION (mg/kg)	SOIL MTG RESIDENTIAL (mg/kg)
SB-1	12 - 14	7/18/2016	Lead	10.4	400	800	1000	270
SB-2	10 - 12	7/18/2016	Lead	8.9	400	800	1000	270
SB-3	10 - 12	7/18/2016	Lead	9.4	400	800	1000	270
Volatile Organic Compounds								
SB-1	12 - 14	7/18/2016	1,2,4-Trimethylbenzene	**33.8**	81	220	220	.44
SB-1	12 - 14	7/18/2016	1,3,5-Trimethylbenzene	**12.5**	180	180	180	3.4
SB-1	12 - 14	7/18/2016	Benzene	**0.21 J**	17	51	1800	.051
SB-1	12 - 14	7/18/2016	Ethylbenzene	8.8	81	250	480	16
SB-1	12 - 14	7/18/2016	Isopropylbenzene (Cumene)	1.5	270	270	270	15
SB-1	12 - 14	7/18/2016	Naphthalene	**5.0**	53	170	3100	.11
SB-1	12 - 14	7/18/2016	Xylene (Total)	18.0	260	260	260	200
SB-1	12 - 14	7/18/2016	n-Hexane	41.9	140	140	140	210
SB-1	12 - 14	7/18/2016	n-Propylbenzene	5.4	260	260	260	25
SB-1	12 - 14	7/18/2016	p-Isopropyltoluene	0.69	NE	NE	NE	NE
SB-1	12 - 14	7/18/2016	sec-Butylbenzene	0.96	150	150	150	120
Polycyclic Aromatic Hydrocarbons								
SB-1	12 - 14	7/18/2016	1-Methylnaphthalene	0.85	250	390	390	1.2
SB-1	12 - 14	7/18/2016	2-Methylnaphthalene	1.5	340	3000	6800	3.7
SB-1	12 - 14	7/18/2016	Fluorene	0.078	3400	30000	68000	110
SB-1	12 - 14	7/18/2016	Naphthalene	**0.71**	53	170	3100	.11
SB-1	12 - 14	7/18/2016	Phenanthrene	0.27	NE	NE	NE	NE

IDEM RCG = Indiana Department of Environmental Management, Remediation Closure Guide
BOLD = Indicates detected concentration exceeded screening level.
bgs = below ground surface
mg/kg = milligrams per kilogram
MTG = migration to groundwater
NE = Not established
J = Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

TABLE 2

DETECTED CONSTITUENTS IN GROUNDWATER
214 WEST PATTERSON STREET
LAKEVILLE, INDIANA

BORING/TEMPORARY WELL IDENTIFIER	SAMPLE DATE	CONSTITUENT	RESULT (ug/l)	IDEM RCG SCREENING LEVELS, MARCH 2016 GROUNDWATER RESIDENTIAL TAP (ug/L)
SB-1	7/20/2016	Lead	**2730**	15
SB-2			**217**	15
SB-3			**2970**	15
Volatile Organic Compounds				
SB-1	7/20/2016	1,2,4-Trimethylbenzene	**1050**	15
		1,3,5-Trimethylbenzene	**338**	120
		1-Methylnaphthalene	**132**	11
		2-Methylnaphthalene	**219**	36
		Benzene	**118**	5
		Ethylbenzene	**769**	700
		Isopropylbenzene (Cumene)	49.8	450
		Naphthalene	**327**	1.7
		Xylene (Total)	1920	10000
		n-Hexane	138	1500
		n-Propylbenzene	145	660
Polycyclic Aromatic Hydrocarbons				
SB-1	7/20/2016	1-Methylnaphthalene	**30.1**	11
		2-Methylnaphthalene	**48.7**	36
		Anthracene	0.19	1800
		Naphthalene	**69.9**	1.7
		Phenanthrene	1.6	NE

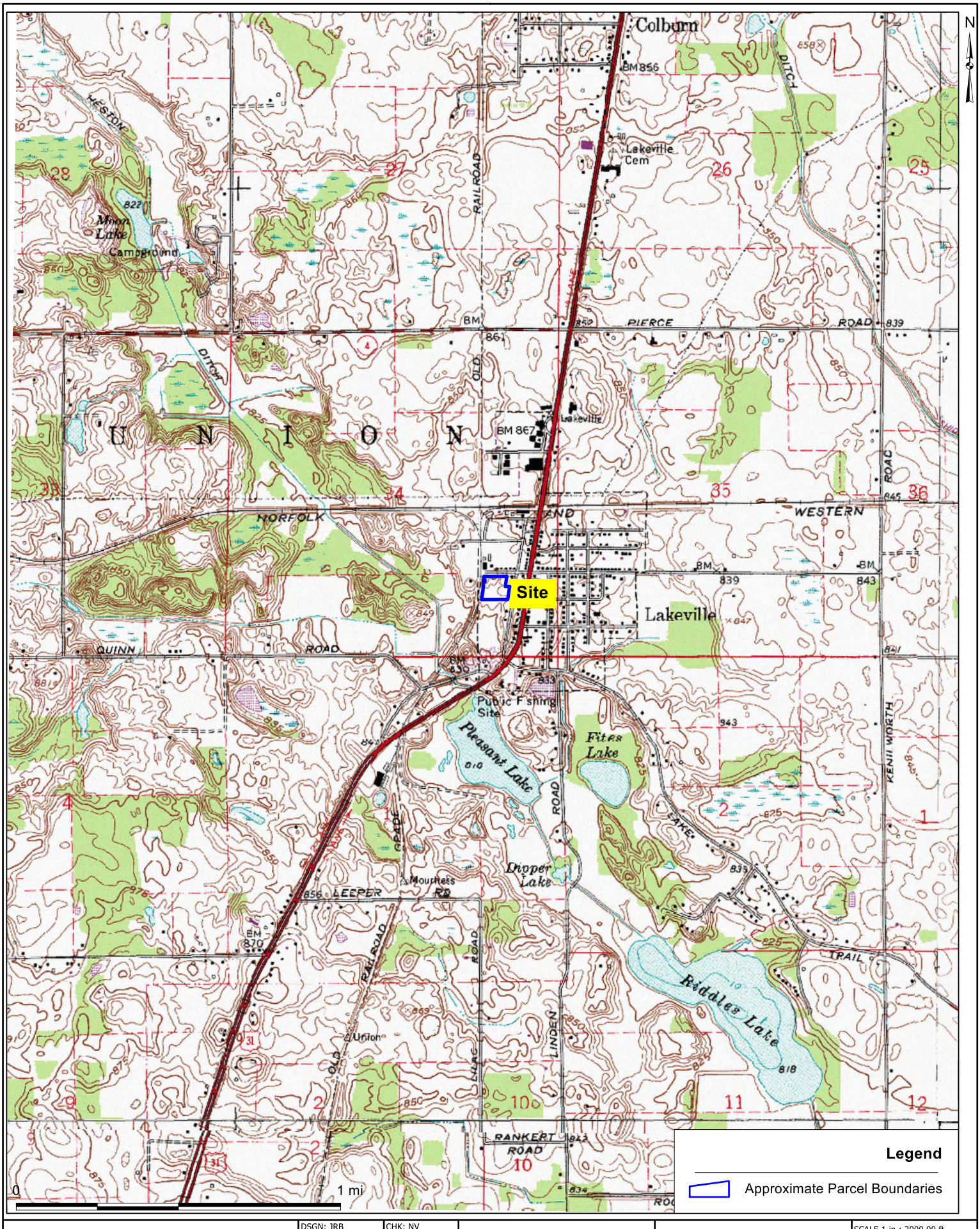
BOLD = Indicates detected concentration exceeds screening level.
IDEM RCG = Indiana Department of Environmental Management, Remediation Closure Guide
ug/l = micrograms per liter

TABLE 3

GROUNDWATER LEVEL DATA
214 WEST PATTERSON STREET
LAKEVILLE, INDIANA

TEMPORARY WELL IDENTIFIER	TOTAL DEPTH OF WELL (feet below ground surface)	DEPTH TO WATER (feet below ground surface)
SB-1	11.06	9.35
SB-2	11.87	7.42
SB-3	14.65	8.75

FIGURES



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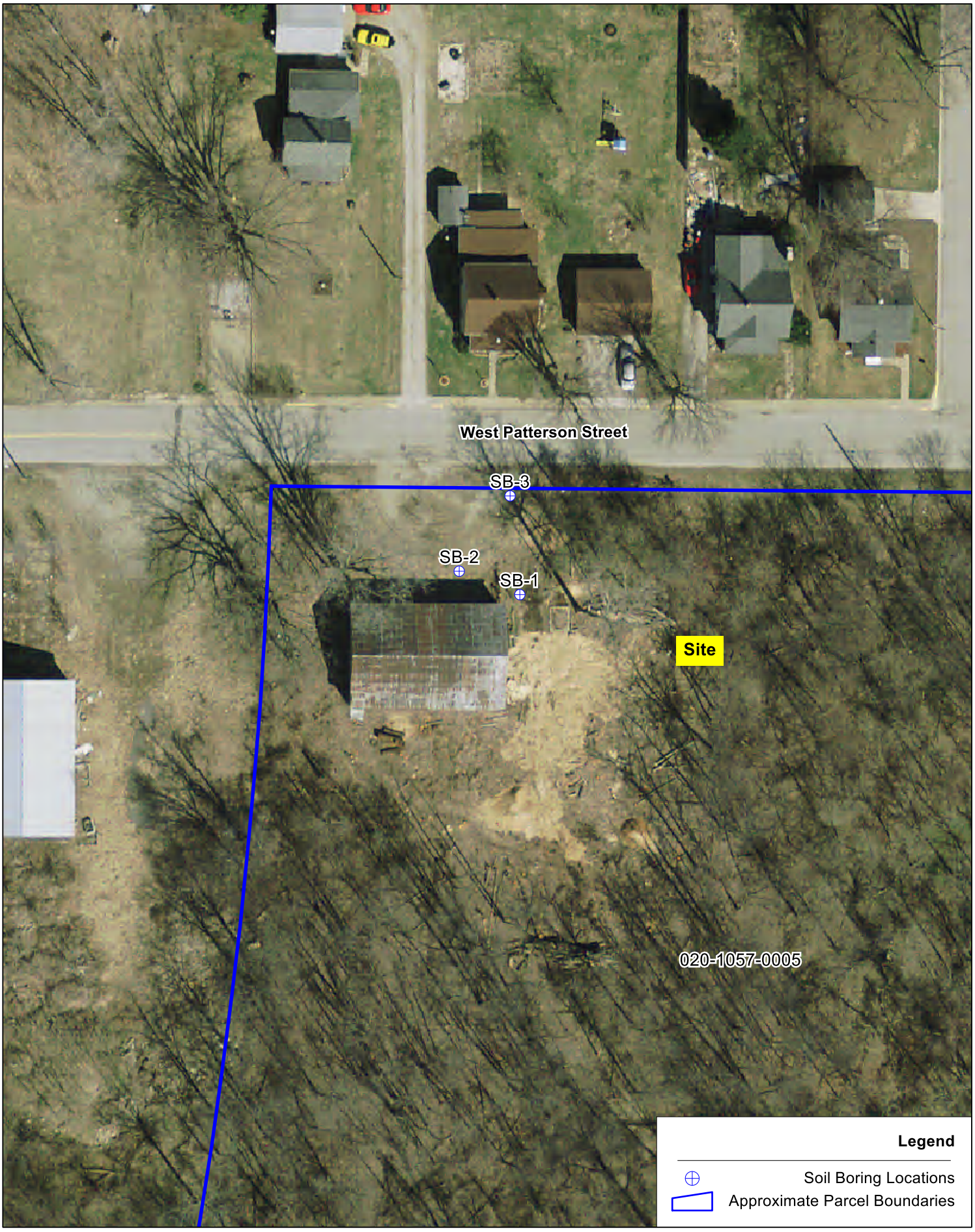
DR:	APVD:

Jeff Ritschard Vacant Property
214 West Patterson Street
Lakeville, Indana 46536

Figure 1
Site Location Map

SCALE 1 in : 2000.00 ft	
DWG	
DATE 3/11/2016	
PROJ. NO. Town of Lakeville	



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Jeff Ritschard Vacant Property
214 West Patterson Street
Lakeville, Indana 46536

Figure 2
Soil Boring
Location Map

SCALE 1 in : 50.00 ft
DWG
DATE 8/10/2016
PROJ. NO. 5200-16-06

APPENDIX A

SOIL BORING LOGS

SB-1

5200-16-06	Jeff Ritschard Property	214 West Patterson Street	Lakeville, IN

Drilling Contractor	Ark Engineering Services Inc.	Drill Rig	Geoprobe
Driller	Chris Chambers License 2067	Ground Elevation	99.01
Geologist	John R. Barnhart, L.P.G.	Static Water Level	90.65
Date Drilled	7/18/2016	Total Depth of borehole	16 Feet
Boring Diameter	2 Inches	Boring Method	Direct Push

Graphic Log	Description	Depth	Sample	Recovery (ft)	Blow Count	PID (ppm)	Completion
	Topsoil						
	Clay, dark yellow-brown, 10YR 4/6, dry					0.0	
				3.4		0.0	
	Clay, very dark yellow-brown, 10YR 3/4, slightly moist						
	Clay, dark olive, 2.5Y 4/4, strong petroleum odor, very moist	5				169	
				4.0		802	
	Clay, gray olive, 5Y 5/2, strong petroleum odor, very moist					569	
		10					
	Clay, brown olive, 2.5Y 4/4, very moist			4.0		14.6	
	Clay, brown olive, 2.5Y 4/4, strong petroleum odor					885	
	Medium to coarse sand, yellow-brown, 10YR 4/4, wet	15		4.0		5.4	
	Total depth 16-ft, Temporary piezometer set						

SB-2

5200-16-06	Jeff Ritschard Property	214 West Patterson Street	Lakeville, IN

Drilling Contractor	Ark Engineering Services Inc.	Drill Rig	Geoprobe
Driller	Chris Chambers License 2067	Ground Elevation	98.56
Geologist	John R. Barnhart, L.P.G.	Static Water Level	92.00
Date Drilled	7/18/2016	Total Depth of borehole	16 Feet
Boring Diameter	2 Inches	Boring Method	Direct Push

Graphic Log	Description	Depth	Sample	Recovery (ft)	Blow Count	PID (ppm)	Completion
	Topsoil					0.0	
	Sand, clayey, dark yellow-brown, 10YR 4/4						
	Sand, clayey, hard, dark yellow-brown, 10YR 4/4, slightly moist			2.9		0.0	
		5				0.0	
	Silt, clayey, dark gray, 10YR 4/1			3.5		0.0	
	Clay, dark yellow-brown, 10YR 4/4, very moist, sand seam at 10-ft					0.0	
	Clay, brown olive,	10		4.0		0.0	
						0.1	
	Medium sand, clayey, hard, dark yellow-brown, 10YR 4/4						
	Medium sand to medium gravel, dark yellow-brown, 10YR 4/4, wet	15		4.0		0.1	
	Total depth 15-ft, Piezometer set						

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SB-3

5200-16-06	Jeff Ritschard Property	214 West Patterson Street	Lakeville, IN

Drilling Contractor	Ark Engineering Services Inc.	Drill Rig	Geoprobe
Driller	Chris Chambers License 2067	Ground Elevation	98.64
Geologist	John R. Barnhart, L.P.G.	Static Water Level	90.06
Date Drilled	7/18/2016	Total Depth of borehole	16 Feet
Boring Diameter	2 Inches	Boring Method	Direct Push

Graphic Log	Description	Depth	Sample	Recovery (ft)	Blow Count	PID (ppm)	Completion
	Cinders, topsoil, very loose						
	Silt, clayey, dak yellow-brown, 10YR 4/4, dry					0.0	
				2.0		0.0	
	Fine to medium sand, dark brown, 10YR 4/4, dry, friable	5				0.0	
	Clay, silty			4.0		0.0	
	Fine to medium sand, dark yellow-brown, 10YR 4/4, wet						
	Clay, yellow-brown, 10YR 5/4					0.0	
		10					
				4.0		0.0	
	Clay, blue gray, very moist					0.0	
	Medium to coarse sand, abnt pebbles, dark yellow brown, 10YR 4/6	15		4.0		0.1	
	Total depth 16-ft						

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APPENDIX B

LABORATORY REPORTS

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

August 02, 2016

Mr. Greg Waggle
Symbiont
6737 W. Washington St.
Suite 3440
Milwaukee, WI 53214

RE: Project: LAKEVILLE
Pace Project No.: 50149912

Dear Mr. Waggle:
Enclosed are the analytical results for sample(s) received by the laboratory on July 19, 2016. 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,

Mick Mayse
mick.mayse@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: LAKEVILLE
Pace Project No.: 50149912

Indiana Certification IDs

7726 Moller Road, Indianapolis, IN 46268
Illinois Certification #: 200074
Indiana Certification #: C-49-06
Kansas/NELAP Certification #:E-10177
Kentucky UST Certification #: 0042
Kentucky WW Certification #:98019
Ohio VAP Certification #: CL-0065
Oklahoma Certification #: 2014-148
Texas Certification #: T104704355-15-9
West Virginia Certification #: 330
Wisconsin Certification #: 999788130
USDA Soil Permit #: P330-10-00128

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SAMPLE SUMMARY

Project: LAKEVILLE
Pace Project No.: 50149912

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50149912001	**LV-SB-1(012014)**	Solid	07/18/16 14:44	07/19/16 09:30
50149912002	**LV-SB-2(010012)**	Solid	07/18/16 15:22	07/19/16 09:30
50149912003	**LV-SB-3(010012)**	Solid	07/18/16 16:12	07/19/16 09:30
50149912004	**LV-FD-1**	Solid	07/18/16 15:00	07/19/16 09:30
50149912005	**TRIP BLANK**	Water	07/18/16 08:00	07/19/16 09:30

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SAMPLE ANALYTE COUNT

Project: LAKEVILLE
Pace Project No.: 50149912

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50149912001	**LV-SB-1(012014)**	EPA 6010	JPK	1	PASI-I
		EPA 8270 by SIM	TBP	20	PASI-I
		EPA 8260	TMW	73	PASI-I
		SM 2540G	SKK	1	PASI-I
50149912002	**LV-SB-2(010012)**	EPA 6010	JPK	1	PASI-I
		EPA 8270 by SIM	TBP	20	PASI-I
		EPA 8260	TMW	73	PASI-I
		SM 2540G	SKK	1	PASI-I
50149912003	**LV-SB-3(010012)**	EPA 6010	JPK	1	PASI-I
		EPA 8270 by SIM	TBP	20	PASI-I
		EPA 8260	TMW	73	PASI-I
		SM 2540G	SKK	1	PASI-I
50149912004	**LV-FD-1**	EPA 6010	JPK	1	PASI-I
		EPA 8270 by SIM	TBP	20	PASI-I
		EPA 8260	TMW	73	PASI-I
		SM 2540G	MDG	1	PASI-I
50149912005	**TRIP BLANK**	EPA 8260	DAE	75	PASI-I

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ANALYTICAL RESULTS

Project: LAKEVILLE
Pace Project No.: 50149912

Sample: LV-SB-1(012014) **Lab ID: 50149912001** Collected: 07/18/16 14:44 Received: 07/19/16 09:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**10.4**	mg/kg	1.1	1	07/23/16 08:20	07/26/16 04:32	7439-92-1	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546							
Acenaphthene	ND	mg/kg	0.0058	1	07/22/16 10:39	07/26/16 17:19	83-32-9	
Acenaphthylene	ND	mg/kg	0.0058	1	07/22/16 10:39	07/26/16 17:19	208-96-8	
Anthracene	ND	mg/kg	0.0058	1	07/22/16 10:39	07/26/16 17:19	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0058	1	07/22/16 10:39	07/26/16 17:19	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.0058	1	07/22/16 10:39	07/26/16 17:19	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.0058	1	07/22/16 10:39	07/26/16 17:19	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	0.0058	1	07/22/16 10:39	07/26/16 17:19	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0058	1	07/22/16 10:39	07/26/16 17:19	207-08-9	
Chrysene	ND	mg/kg	0.0058	1	07/22/16 10:39	07/26/16 17:19	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0058	1	07/22/16 10:39	07/26/16 17:19	53-70-3	
Fluoranthene	ND	mg/kg	0.0058	1	07/22/16 10:39	07/26/16 17:19	206-44-0	
Fluorene	**0.078**	mg/kg	0.0058	1	07/22/16 10:39	07/26/16 17:19	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0058	1	07/22/16 10:39	07/26/16 17:19	193-39-5	
1-Methylnaphthalene	**0.85**	mg/kg	0.0058	1	07/22/16 10:39	07/26/16 17:19	90-12-0	N2
2-Methylnaphthalene	**1.5**	mg/kg	0.0058	1	07/22/16 10:39	07/26/16 17:19	91-57-6	
Naphthalene	**0.71**	mg/kg	0.0058	1	07/22/16 10:39	07/26/16 17:19	91-20-3	
Phenanthrene	**0.27**	mg/kg	0.0058	1	07/22/16 10:39	07/26/16 17:19	85-01-8	
Pyrene	ND	mg/kg	0.0058	1	07/22/16 10:39	07/26/16 17:19	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	72	%.	25-121	1	07/22/16 10:39	07/26/16 17:19	321-60-8	
p-Terphenyl-d14 (S)	64	%.	27-124	1	07/22/16 10:39	07/26/16 17:19	1718-51-0	
8260 MSV 5035A VOA	Analytical Method: EPA 8260							
Acetone	ND	mg/kg	10.8	100		07/28/16 16:02	67-64-1	
Acrolein	ND	mg/kg	10.8	100		07/28/16 16:02	107-02-8	
Acrylonitrile	ND	mg/kg	10.8	100		07/28/16 16:02	107-13-1	
Benzene	**0.21J**	mg/kg	0.54	100		07/28/16 16:02	71-43-2	J
Bromobenzene	ND	mg/kg	0.54	100		07/28/16 16:02	108-86-1	
Bromochloromethane	ND	mg/kg	0.54	100		07/28/16 16:02	74-97-5	
Bromodichloromethane	ND	mg/kg	0.54	100		07/28/16 16:02	75-27-4	
Bromoform	ND	mg/kg	0.54	100		07/28/16 16:02	75-25-2	
Bromomethane	ND	mg/kg	0.54	100		07/28/16 16:02	74-83-9	
2-Butanone (MEK)	ND	mg/kg	2.7	100		07/28/16 16:02	78-93-3	
n-Butylbenzene	ND	mg/kg	0.54	100		07/28/16 16:02	104-51-8	
sec-Butylbenzene	**0.96**	mg/kg	0.54	100		07/28/16 16:02	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.54	100		07/28/16 16:02	98-06-6	
Carbon disulfide	ND	mg/kg	1.1	100		07/28/16 16:02	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.54	100		07/28/16 16:02	56-23-5	
Chlorobenzene	ND	mg/kg	0.54	100		07/28/16 16:02	108-90-7	
Chloroethane	ND	mg/kg	0.54	100		07/28/16 16:02	75-00-3	
Chloroform	ND	mg/kg	0.54	100		07/28/16 16:02	67-66-3	
Chloromethane	ND	mg/kg	0.54	100		07/28/16 16:02	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.54	100		07/28/16 16:02	95-49-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: LAKEVILLE
Pace Project No.: 50149912

Sample: LV-SB-1(012014) **Lab ID: 50149912001** Collected: 07/18/16 14:44 Received: 07/19/16 09:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260							
4-Chlorotoluene	ND	mg/kg	0.54	100		07/28/16 16:02	106-43-4	
Dibromochloromethane	ND	mg/kg	0.54	100		07/28/16 16:02	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.54	100		07/28/16 16:02	106-93-4	
Dibromomethane	ND	mg/kg	0.54	100		07/28/16 16:02	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.54	100		07/28/16 16:02	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.54	100		07/28/16 16:02	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.54	100		07/28/16 16:02	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	10.8	100		07/28/16 16:02	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.54	100		07/28/16 16:02	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.54	100		07/28/16 16:02	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.54	100		07/28/16 16:02	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.54	100		07/28/16 16:02	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.54	100		07/28/16 16:02	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.54	100		07/28/16 16:02	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.54	100		07/28/16 16:02	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.54	100		07/28/16 16:02	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.54	100		07/28/16 16:02	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.54	100		07/28/16 16:02	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.54	100		07/28/16 16:02	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.54	100		07/28/16 16:02	10061-02-6	
Ethylbenzene	**8.8**	mg/kg	0.54	100		07/28/16 16:02	100-41-4	
Ethyl methacrylate	ND	mg/kg	10.8	100		07/28/16 16:02	97-63-2	
Hexachloro-1,3-butadiene	ND	mg/kg	0.54	100		07/28/16 16:02	87-68-3	
n-Hexane	**41.9**	mg/kg	5.4	1000		07/28/16 16:40	110-54-3	
2-Hexanone	ND	mg/kg	10.8	100		07/28/16 16:02	591-78-6	
Iodomethane	ND	mg/kg	10.8	100		07/28/16 16:02	74-88-4	
Isopropylbenzene (Cumene)	**1.5**	mg/kg	0.54	100		07/28/16 16:02	98-82-8	
p-Isopropyltoluene	**0.69**	mg/kg	0.54	100		07/28/16 16:02	99-87-6	
Methylene Chloride	ND	mg/kg	2.2	100		07/28/16 16:02	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	2.7	100		07/28/16 16:02	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.54	100		07/28/16 16:02	1634-04-4	
Naphthalene	**5.0**	mg/kg	0.54	100		07/28/16 16:02	91-20-3	
n-Propylbenzene	**5.4**	mg/kg	0.54	100		07/28/16 16:02	103-65-1	
Styrene	ND	mg/kg	0.54	100		07/28/16 16:02	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.54	100		07/28/16 16:02	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.54	100		07/28/16 16:02	79-34-5	
Tetrachloroethene	ND	mg/kg	0.54	100		07/28/16 16:02	127-18-4	
Toluene	ND	mg/kg	0.54	100		07/28/16 16:02	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.54	100		07/28/16 16:02	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.54	100		07/28/16 16:02	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.54	100		07/28/16 16:02	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.54	100		07/28/16 16:02	79-00-5	
Trichloroethene	ND	mg/kg	0.54	100		07/28/16 16:02	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.54	100		07/28/16 16:02	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.54	100		07/28/16 16:02	96-18-4	
1,2,4-Trimethylbenzene	**33.8**	mg/kg	5.4	1000		07/28/16 16:40	95-63-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: LAKEVILLE
Pace Project No.: 50149912

Sample: LV-SB-1(012014) **Lab ID: 50149912001** Collected: 07/18/16 14:44 Received: 07/19/16 09:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260							
1,3,5-Trimethylbenzene	**12.5**	mg/kg	0.54	100		07/28/16 16:02	108-67-8	
Vinyl acetate	ND	mg/kg	10.8	100		07/28/16 16:02	108-05-4	
Vinyl chloride	ND	mg/kg	0.54	100		07/28/16 16:02	75-01-4	
Xylene (Total)	**18.0**	mg/kg	1.1	100		07/28/16 16:02	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	98	%.	70-128	100		07/28/16 16:02	1868-53-7	D4
Toluene-d8 (S)	111	%.	72-139	100		07/28/16 16:02	2037-26-5	
4-Bromofluorobenzene (S)	106	%.	65-127	100		07/28/16 16:02	460-00-4	
Percent Moisture	Analytical Method: SM 2540G							
Percent Moisture	**14.8**	%	0.10	1		07/26/16 16:25		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: LAKEVILLE
Pace Project No.: 50149912

Sample: LV-SB-2(010012) **Lab ID: 50149912002** Collected: 07/18/16 15:22 Received: 07/19/16 09:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**8.9**	mg/kg	1.1	1	07/23/16 08:20	07/26/16 04:34	7439-92-1	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546							
Acenaphthene	ND	mg/kg	0.0061	1	07/22/16 10:39	07/26/16 17:37	83-32-9	
Acenaphthylene	ND	mg/kg	0.0061	1	07/22/16 10:39	07/26/16 17:37	208-96-8	
Anthracene	ND	mg/kg	0.0061	1	07/22/16 10:39	07/26/16 17:37	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0061	1	07/22/16 10:39	07/26/16 17:37	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.0061	1	07/22/16 10:39	07/26/16 17:37	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.0061	1	07/22/16 10:39	07/26/16 17:37	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	0.0061	1	07/22/16 10:39	07/26/16 17:37	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0061	1	07/22/16 10:39	07/26/16 17:37	207-08-9	
Chrysene	ND	mg/kg	0.0061	1	07/22/16 10:39	07/26/16 17:37	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0061	1	07/22/16 10:39	07/26/16 17:37	53-70-3	
Fluoranthene	ND	mg/kg	0.0061	1	07/22/16 10:39	07/26/16 17:37	206-44-0	
Fluorene	ND	mg/kg	0.0061	1	07/22/16 10:39	07/26/16 17:37	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0061	1	07/22/16 10:39	07/26/16 17:37	193-39-5	
1-Methylnaphthalene	ND	mg/kg	0.0061	1	07/22/16 10:39	07/26/16 17:37	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.0061	1	07/22/16 10:39	07/26/16 17:37	91-57-6	
Naphthalene	ND	mg/kg	0.0061	1	07/22/16 10:39	07/26/16 17:37	91-20-3	
Phenanthrene	ND	mg/kg	0.0061	1	07/22/16 10:39	07/26/16 17:37	85-01-8	
Pyrene	ND	mg/kg	0.0061	1	07/22/16 10:39	07/26/16 17:37	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	70	%.	25-121	1	07/22/16 10:39	07/26/16 17:37	321-60-8	
p-Terphenyl-d14 (S)	78	%.	27-124	1	07/22/16 10:39	07/26/16 17:37	1718-51-0	
8260 MSV 5035A VOA	Analytical Method: EPA 8260							
Acetone	ND	mg/kg	0.10	1		07/29/16 16:27	67-64-1	
Acrolein	ND	mg/kg	0.10	1		07/29/16 16:27	107-02-8	
Acrylonitrile	ND	mg/kg	0.10	1		07/29/16 16:27	107-13-1	
Benzene	ND	mg/kg	0.0050	1		07/29/16 16:27	71-43-2	
Bromobenzene	ND	mg/kg	0.0050	1		07/29/16 16:27	108-86-1	
Bromochloromethane	ND	mg/kg	0.0050	1		07/29/16 16:27	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0050	1		07/29/16 16:27	75-27-4	
Bromoform	ND	mg/kg	0.0050	1		07/29/16 16:27	75-25-2	
Bromomethane	ND	mg/kg	0.0050	1		07/29/16 16:27	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.025	1		07/29/16 16:27	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0050	1		07/29/16 16:27	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0050	1		07/29/16 16:27	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0050	1		07/29/16 16:27	98-06-6	
Carbon disulfide	ND	mg/kg	0.010	1		07/29/16 16:27	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0050	1		07/29/16 16:27	56-23-5	
Chlorobenzene	ND	mg/kg	0.0050	1		07/29/16 16:27	108-90-7	
Chloroethane	ND	mg/kg	0.0050	1		07/29/16 16:27	75-00-3	
Chloroform	ND	mg/kg	0.0050	1		07/29/16 16:27	67-66-3	
Chloromethane	ND	mg/kg	0.0050	1		07/29/16 16:27	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0050	1		07/29/16 16:27	95-49-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: LAKEVILLE
Pace Project No.: 50149912

Sample: LV-SB-2(010012) **Lab ID: 50149912002** Collected: 07/18/16 15:22 Received: 07/19/16 09:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260							
4-Chlorotoluene	ND	mg/kg	0.0050	1		07/29/16 16:27	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0050	1		07/29/16 16:27	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0050	1		07/29/16 16:27	106-93-4	
Dibromomethane	ND	mg/kg	0.0050	1		07/29/16 16:27	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0050	1		07/29/16 16:27	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.0050	1		07/29/16 16:27	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0050	1		07/29/16 16:27	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.10	1		07/29/16 16:27	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0050	1		07/29/16 16:27	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0050	1		07/29/16 16:27	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0050	1		07/29/16 16:27	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0050	1		07/29/16 16:27	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	1		07/29/16 16:27	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	1		07/29/16 16:27	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0050	1		07/29/16 16:27	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0050	1		07/29/16 16:27	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0050	1		07/29/16 16:27	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0050	1		07/29/16 16:27	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	1		07/29/16 16:27	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	1		07/29/16 16:27	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0050	1		07/29/16 16:27	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.10	1		07/29/16 16:27	97-63-2	
Hexachloro-1,3-butadiene	ND	mg/kg	0.0050	1		07/29/16 16:27	87-68-3	
n-Hexane	ND	mg/kg	0.0050	1		07/29/16 16:27	110-54-3	
2-Hexanone	ND	mg/kg	0.10	1		07/29/16 16:27	591-78-6	
Iodomethane	ND	mg/kg	0.10	1		07/29/16 16:27	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0050	1		07/29/16 16:27	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0050	1		07/29/16 16:27	99-87-6	
Methylene Chloride	ND	mg/kg	0.020	1		07/29/16 16:27	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.025	1		07/29/16 16:27	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0050	1		07/29/16 16:27	1634-04-4	
Naphthalene	ND	mg/kg	0.0050	1		07/29/16 16:27	91-20-3	
n-Propylbenzene	ND	mg/kg	0.0050	1		07/29/16 16:27	103-65-1	
Styrene	ND	mg/kg	0.0050	1		07/29/16 16:27	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	1		07/29/16 16:27	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	1		07/29/16 16:27	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0050	1		07/29/16 16:27	127-18-4	
Toluene	ND	mg/kg	0.0050	1		07/29/16 16:27	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	1		07/29/16 16:27	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	1		07/29/16 16:27	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0050	1		07/29/16 16:27	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0050	1		07/29/16 16:27	79-00-5	
Trichloroethene	ND	mg/kg	0.0050	1		07/29/16 16:27	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0050	1		07/29/16 16:27	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.0050	1		07/29/16 16:27	96-18-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	1		07/29/16 16:27	95-63-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: LAKEVILLE
Pace Project No.: 50149912

Sample: LV-SB-2(010012) **Lab ID: 50149912002** Collected: 07/18/16 15:22 Received: 07/19/16 09:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260							
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	1		07/29/16 16:27	108-67-8	
Vinyl acetate	ND	mg/kg	0.10	1		07/29/16 16:27	108-05-4	
Vinyl chloride	ND	mg/kg	0.0050	1		07/29/16 16:27	75-01-4	
Xylene (Total)	ND	mg/kg	0.010	1		07/29/16 16:27	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	112	%.	70-128	1		07/29/16 16:27	1868-53-7	
Toluene-d8 (S)	101	%.	72-139	1		07/29/16 16:27	2037-26-5	
4-Bromofluorobenzene (S)	90	%.	65-127	1		07/29/16 16:27	460-00-4	
Percent Moisture	Analytical Method: SM 2540G							
Percent Moisture	**18.1**	%	0.10	1		07/26/16 16:25		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: LAKEVILLE
Pace Project No.: 50149912

Sample: LV-SB-3(010012) **Lab ID: 50149912003** Collected: 07/18/16 16:12 Received: 07/19/16 09:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**9.4**	mg/kg	1.1	1	07/23/16 08:20	07/26/16 04:45	7439-92-1	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546							
Acenaphthene	ND	mg/kg	0.0057	1	07/22/16 10:39	07/26/16 18:29	83-32-9	
Acenaphthylene	ND	mg/kg	0.0057	1	07/22/16 10:39	07/26/16 18:29	208-96-8	
Anthracene	ND	mg/kg	0.0057	1	07/22/16 10:39	07/26/16 18:29	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0057	1	07/22/16 10:39	07/26/16 18:29	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.0057	1	07/22/16 10:39	07/26/16 18:29	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.0057	1	07/22/16 10:39	07/26/16 18:29	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	0.0057	1	07/22/16 10:39	07/26/16 18:29	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0057	1	07/22/16 10:39	07/26/16 18:29	207-08-9	
Chrysene	ND	mg/kg	0.0057	1	07/22/16 10:39	07/26/16 18:29	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0057	1	07/22/16 10:39	07/26/16 18:29	53-70-3	
Fluoranthene	ND	mg/kg	0.0057	1	07/22/16 10:39	07/26/16 18:29	206-44-0	
Fluorene	ND	mg/kg	0.0057	1	07/22/16 10:39	07/26/16 18:29	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0057	1	07/22/16 10:39	07/26/16 18:29	193-39-5	
1-Methylnaphthalene	ND	mg/kg	0.0057	1	07/22/16 10:39	07/26/16 18:29	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.0057	1	07/22/16 10:39	07/26/16 18:29	91-57-6	
Naphthalene	ND	mg/kg	0.0057	1	07/22/16 10:39	07/26/16 18:29	91-20-3	
Phenanthrene	ND	mg/kg	0.0057	1	07/22/16 10:39	07/26/16 18:29	85-01-8	
Pyrene	ND	mg/kg	0.0057	1	07/22/16 10:39	07/26/16 18:29	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	79	%.	25-121	1	07/22/16 10:39	07/26/16 18:29	321-60-8	
p-Terphenyl-d14 (S)	84	%.	27-124	1	07/22/16 10:39	07/26/16 18:29	1718-51-0	
8260 MSV 5035A VOA	Analytical Method: EPA 8260							
Acetone	ND	mg/kg	0.097	1		07/28/16 19:49	67-64-1	
Acrolein	ND	mg/kg	0.097	1		07/28/16 19:49	107-02-8	
Acrylonitrile	ND	mg/kg	0.097	1		07/28/16 19:49	107-13-1	
Benzene	ND	mg/kg	0.0049	1		07/28/16 19:49	71-43-2	
Bromobenzene	ND	mg/kg	0.0049	1		07/28/16 19:49	108-86-1	
Bromochloromethane	ND	mg/kg	0.0049	1		07/28/16 19:49	74-97-5	
Bromodichloromethane	ND	mg/kg	0.0049	1		07/28/16 19:49	75-27-4	
Bromoform	ND	mg/kg	0.0049	1		07/28/16 19:49	75-25-2	
Bromomethane	ND	mg/kg	0.0049	1		07/28/16 19:49	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.024	1		07/28/16 19:49	78-93-3	
n-Butylbenzene	ND	mg/kg	0.0049	1		07/28/16 19:49	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.0049	1		07/28/16 19:49	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.0049	1		07/28/16 19:49	98-06-6	
Carbon disulfide	ND	mg/kg	0.0097	1		07/28/16 19:49	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0049	1		07/28/16 19:49	56-23-5	
Chlorobenzene	ND	mg/kg	0.0049	1		07/28/16 19:49	108-90-7	
Chloroethane	ND	mg/kg	0.0049	1		07/28/16 19:49	75-00-3	
Chloroform	ND	mg/kg	0.0049	1		07/28/16 19:49	67-66-3	
Chloromethane	ND	mg/kg	0.0049	1		07/28/16 19:49	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.0049	1		07/28/16 19:49	95-49-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: LAKEVILLE
Pace Project No.: 50149912

Sample: LV-SB-3(010012) **Lab ID: 50149912003** Collected: 07/18/16 16:12 Received: 07/19/16 09:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260							
4-Chlorotoluene	ND	mg/kg	0.0049	1		07/28/16 19:49	106-43-4	
Dibromochloromethane	ND	mg/kg	0.0049	1		07/28/16 19:49	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.0049	1		07/28/16 19:49	106-93-4	
Dibromomethane	ND	mg/kg	0.0049	1		07/28/16 19:49	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.0049	1		07/28/16 19:49	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.0049	1		07/28/16 19:49	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.0049	1		07/28/16 19:49	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	0.097	1		07/28/16 19:49	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.0049	1		07/28/16 19:49	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.0049	1		07/28/16 19:49	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0049	1		07/28/16 19:49	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0049	1		07/28/16 19:49	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0049	1		07/28/16 19:49	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0049	1		07/28/16 19:49	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0049	1		07/28/16 19:49	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.0049	1		07/28/16 19:49	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.0049	1		07/28/16 19:49	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.0049	1		07/28/16 19:49	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.0049	1		07/28/16 19:49	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0049	1		07/28/16 19:49	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0049	1		07/28/16 19:49	100-41-4	
Ethyl methacrylate	ND	mg/kg	0.097	1		07/28/16 19:49	97-63-2	
Hexachloro-1,3-butadiene	ND	mg/kg	0.0049	1		07/28/16 19:49	87-68-3	
n-Hexane	ND	mg/kg	0.0049	1		07/28/16 19:49	110-54-3	
2-Hexanone	ND	mg/kg	0.097	1		07/28/16 19:49	591-78-6	
Iodomethane	ND	mg/kg	0.097	1		07/28/16 19:49	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.0049	1		07/28/16 19:49	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.0049	1		07/28/16 19:49	99-87-6	
Methylene Chloride	ND	mg/kg	0.019	1		07/28/16 19:49	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.024	1		07/28/16 19:49	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0049	1		07/28/16 19:49	1634-04-4	
Naphthalene	ND	mg/kg	0.0049	1		07/28/16 19:49	91-20-3	
n-Propylbenzene	ND	mg/kg	0.0049	1		07/28/16 19:49	103-65-1	
Styrene	ND	mg/kg	0.0049	1		07/28/16 19:49	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0049	1		07/28/16 19:49	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0049	1		07/28/16 19:49	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0049	1		07/28/16 19:49	127-18-4	
Toluene	ND	mg/kg	0.0049	1		07/28/16 19:49	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0049	1		07/28/16 19:49	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0049	1		07/28/16 19:49	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0049	1		07/28/16 19:49	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0049	1		07/28/16 19:49	79-00-5	
Trichloroethene	ND	mg/kg	0.0049	1		07/28/16 19:49	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0049	1		07/28/16 19:49	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.0049	1		07/28/16 19:49	96-18-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0049	1		07/28/16 19:49	95-63-6	

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ANALYTICAL RESULTS

Project: LAKEVILLE
Pace Project No.: 50149912

Sample: LV-SB-3(010012) **Lab ID: 50149912003** Collected: 07/18/16 16:12 Received: 07/19/16 09:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260							
1,3,5-Trimethylbenzene	ND	mg/kg	0.0049	1		07/28/16 19:49	108-67-8	
Vinyl acetate	ND	mg/kg	0.097	1		07/28/16 19:49	108-05-4	
Vinyl chloride	ND	mg/kg	0.0049	1		07/28/16 19:49	75-01-4	
Xylene (Total)	ND	mg/kg	0.0097	1		07/28/16 19:49	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	107	%.	70-128	1		07/28/16 19:49	1868-53-7	
Toluene-d8 (S)	102	%.	72-139	1		07/28/16 19:49	2037-26-5	
4-Bromofluorobenzene (S)	98	%.	65-127	1		07/28/16 19:49	460-00-4	
Percent Moisture	Analytical Method: SM 2540G							
Percent Moisture	**12.2**	%	0.10	1		07/26/16 16:25		

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ANALYTICAL RESULTS

Project: LAKEVILLE
Pace Project No.: 50149912

Sample: LV-FD-1 **Lab ID: 50149912004** Collected: 07/18/16 15:00 Received: 07/19/16 09:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Lead	**11.9**	mg/kg	1.1	1	07/23/16 08:20	07/26/16 04:51	7439-92-1	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546							
Acenaphthene	**0.065**	mg/kg	0.0058	1	07/22/16 10:39	07/26/16 18:47	83-32-9	
Acenaphthylene	ND	mg/kg	0.0058	1	07/22/16 10:39	07/26/16 18:47	208-96-8	
Anthracene	ND	mg/kg	0.0058	1	07/22/16 10:39	07/26/16 18:47	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0058	1	07/22/16 10:39	07/26/16 18:47	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.0058	1	07/22/16 10:39	07/26/16 18:47	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.0058	1	07/22/16 10:39	07/26/16 18:47	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	0.0058	1	07/22/16 10:39	07/26/16 18:47	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0058	1	07/22/16 10:39	07/26/16 18:47	207-08-9	
Chrysene	ND	mg/kg	0.0058	1	07/22/16 10:39	07/26/16 18:47	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0058	1	07/22/16 10:39	07/26/16 18:47	53-70-3	
Fluoranthene	ND	mg/kg	0.0058	1	07/22/16 10:39	07/26/16 18:47	206-44-0	
Fluorene	**0.055**	mg/kg	0.0058	1	07/22/16 10:39	07/26/16 18:47	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0058	1	07/22/16 10:39	07/26/16 18:47	193-39-5	
1-Methylnaphthalene	**0.55**	mg/kg	0.0058	1	07/22/16 10:39	07/26/16 18:47	90-12-0	N2
2-Methylnaphthalene	**0.99**	mg/kg	0.0058	1	07/22/16 10:39	07/26/16 18:47	91-57-6	
Naphthalene	**0.52**	mg/kg	0.0058	1	07/22/16 10:39	07/26/16 18:47	91-20-3	
Phenanthrene	**0.20**	mg/kg	0.0058	1	07/22/16 10:39	07/26/16 18:47	85-01-8	
Pyrene	ND	mg/kg	0.0058	1	07/22/16 10:39	07/26/16 18:47	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	83	%.	25-121	1	07/22/16 10:39	07/26/16 18:47	321-60-8	
p-Terphenyl-d14 (S)	76	%.	27-124	1	07/22/16 10:39	07/26/16 18:47	1718-51-0	
8260 MSV 5035A VOA	Analytical Method: EPA 8260							
Acetone	ND	mg/kg	5.2	50		07/28/16 20:26	67-64-1	
Acrolein	ND	mg/kg	5.2	50		07/28/16 20:26	107-02-8	
Acrylonitrile	ND	mg/kg	5.2	50		07/28/16 20:26	107-13-1	
Benzene	**0.17J**	mg/kg	0.26	50		07/28/16 20:26	71-43-2	J
Bromobenzene	ND	mg/kg	0.26	50		07/28/16 20:26	108-86-1	
Bromochloromethane	ND	mg/kg	0.26	50		07/28/16 20:26	74-97-5	
Bromodichloromethane	ND	mg/kg	0.26	50		07/28/16 20:26	75-27-4	
Bromoform	ND	mg/kg	0.26	50		07/28/16 20:26	75-25-2	
Bromomethane	ND	mg/kg	0.26	50		07/28/16 20:26	74-83-9	
2-Butanone (MEK)	ND	mg/kg	1.3	50		07/28/16 20:26	78-93-3	
n-Butylbenzene	ND	mg/kg	0.26	50		07/28/16 20:26	104-51-8	
sec-Butylbenzene	**1.1**	mg/kg	0.26	50		07/28/16 20:26	135-98-8	
tert-Butylbenzene	ND	mg/kg	0.26	50		07/28/16 20:26	98-06-6	
Carbon disulfide	ND	mg/kg	0.52	50		07/28/16 20:26	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.26	50		07/28/16 20:26	56-23-5	
Chlorobenzene	ND	mg/kg	0.26	50		07/28/16 20:26	108-90-7	
Chloroethane	ND	mg/kg	0.26	50		07/28/16 20:26	75-00-3	
Chloroform	ND	mg/kg	0.26	50		07/28/16 20:26	67-66-3	
Chloromethane	ND	mg/kg	0.26	50		07/28/16 20:26	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.26	50		07/28/16 20:26	95-49-8	

REPORT OF LABORATORY ANALYSIS

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(317)228-3100

ANALYTICAL RESULTS

Project: LAKEVILLE
Pace Project No.: 50149912

Sample: LV-FD-1 **Lab ID: 50149912004** Collected: 07/18/16 15:00 Received: 07/19/16 09:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260							
4-Chlorotoluene	ND	mg/kg	0.26	50		07/28/16 20:26	106-43-4	
Dibromochloromethane	ND	mg/kg	0.26	50		07/28/16 20:26	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.26	50		07/28/16 20:26	106-93-4	
Dibromomethane	ND	mg/kg	0.26	50		07/28/16 20:26	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.26	50		07/28/16 20:26	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.26	50		07/28/16 20:26	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.26	50		07/28/16 20:26	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	5.2	50		07/28/16 20:26	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.26	50		07/28/16 20:26	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.26	50		07/28/16 20:26	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.26	50		07/28/16 20:26	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.26	50		07/28/16 20:26	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.26	50		07/28/16 20:26	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.26	50		07/28/16 20:26	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.26	50		07/28/16 20:26	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.26	50		07/28/16 20:26	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.26	50		07/28/16 20:26	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.26	50		07/28/16 20:26	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.26	50		07/28/16 20:26	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.26	50		07/28/16 20:26	10061-02-6	
Ethylbenzene	**9.9**	mg/kg	0.26	50		07/28/16 20:26	100-41-4	
Ethyl methacrylate	ND	mg/kg	5.2	50		07/28/16 20:26	97-63-2	
Hexachloro-1,3-butadiene	ND	mg/kg	0.26	50		07/28/16 20:26	87-68-3	
n-Hexane	**40.1**	mg/kg	2.6	500		07/28/16 21:04	110-54-3	
2-Hexanone	ND	mg/kg	5.2	50		07/28/16 20:26	591-78-6	
Iodomethane	ND	mg/kg	5.2	50		07/28/16 20:26	74-88-4	
Isopropylbenzene (Cumene)	**1.9**	mg/kg	0.26	50		07/28/16 20:26	98-82-8	
p-Isopropyltoluene	**0.82**	mg/kg	0.26	50		07/28/16 20:26	99-87-6	
Methylene Chloride	ND	mg/kg	1.0	50		07/28/16 20:26	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	1.3	50		07/28/16 20:26	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.26	50		07/28/16 20:26	1634-04-4	
Naphthalene	**5.6**	mg/kg	0.26	50		07/28/16 20:26	91-20-3	
n-Propylbenzene	**6.4**	mg/kg	0.26	50		07/28/16 20:26	103-65-1	
Styrene	ND	mg/kg	0.26	50		07/28/16 20:26	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.26	50		07/28/16 20:26	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.26	50		07/28/16 20:26	79-34-5	
Tetrachloroethene	ND	mg/kg	0.26	50		07/28/16 20:26	127-18-4	
Toluene	ND	mg/kg	0.26	50		07/28/16 20:26	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/kg	0.26	50		07/28/16 20:26	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.26	50		07/28/16 20:26	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.26	50		07/28/16 20:26	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.26	50		07/28/16 20:26	79-00-5	
Trichloroethene	ND	mg/kg	0.26	50		07/28/16 20:26	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.26	50		07/28/16 20:26	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.26	50		07/28/16 20:26	96-18-4	
1,2,4-Trimethylbenzene	**38.0**	mg/kg	2.6	500		07/28/16 21:04	95-63-6	

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ANALYTICAL RESULTS

Project: LAKEVILLE
Pace Project No.: 50149912

Sample: LV-FD-1 **Lab ID: 50149912004** Collected: 07/18/16 15:00 Received: 07/19/16 09:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260							
1,3,5-Trimethylbenzene	**14.2**	mg/kg	0.26	50		07/28/16 20:26	108-67-8	
Vinyl acetate	ND	mg/kg	5.2	50		07/28/16 20:26	108-05-4	
Vinyl chloride	ND	mg/kg	0.26	50		07/28/16 20:26	75-01-4	
Xylene (Total)	**21.9**	mg/kg	0.52	50		07/28/16 20:26	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	102	%.	70-128	50		07/28/16 20:26	1868-53-7	D4
Toluene-d8 (S)	128	%.	72-139	50		07/28/16 20:26	2037-26-5	
4-Bromofluorobenzene (S)	119	%.	65-127	50		07/28/16 20:26	460-00-4	
Percent Moisture	Analytical Method: SM 2540G							
Percent Moisture	**14.7**	%	0.10	1		07/27/16 16:14		

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ANALYTICAL RESULTS

Project: LAKEVILLE
Pace Project No.: 50149912

Sample: TRIP BLANK **Lab ID: 50149912005** Collected: 07/18/16 08:00 Received: 07/19/16 09:30 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		07/26/16 18:40	67-64-1	
Acrolein	ND	ug/L	50.0	1		07/26/16 18:40	107-02-8	
Acrylonitrile	ND	ug/L	100	1		07/26/16 18:40	107-13-1	
Benzene	ND	ug/L	5.0	1		07/26/16 18:40	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		07/26/16 18:40	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		07/26/16 18:40	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		07/26/16 18:40	75-27-4	
Bromoform	ND	ug/L	5.0	1		07/26/16 18:40	75-25-2	
Bromomethane	ND	ug/L	5.0	1		07/26/16 18:40	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		07/26/16 18:40	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		07/26/16 18:40	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		07/26/16 18:40	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		07/26/16 18:40	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		07/26/16 18:40	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		07/26/16 18:40	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		07/26/16 18:40	108-90-7	
Chloroethane	ND	ug/L	5.0	1		07/26/16 18:40	75-00-3	
Chloroform	ND	ug/L	5.0	1		07/26/16 18:40	67-66-3	
Chloromethane	ND	ug/L	5.0	1		07/26/16 18:40	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		07/26/16 18:40	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		07/26/16 18:40	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		07/26/16 18:40	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		07/26/16 18:40	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		07/26/16 18:40	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		07/26/16 18:40	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		07/26/16 18:40	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		07/26/16 18:40	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		07/26/16 18:40	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		07/26/16 18:40	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		07/26/16 18:40	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		07/26/16 18:40	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		07/26/16 18:40	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		07/26/16 18:40	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		07/26/16 18:40	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		07/26/16 18:40	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		07/26/16 18:40	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		07/26/16 18:40	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		07/26/16 18:40	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		07/26/16 18:40	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		07/26/16 18:40	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		07/26/16 18:40	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		07/26/16 18:40	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		07/26/16 18:40	87-68-3	
n-Hexane	ND	ug/L	5.0	1		07/26/16 18:40	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		07/26/16 18:40	591-78-6	
Iodomethane	ND	ug/L	10.0	1		07/26/16 18:40	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		07/26/16 18:40	98-82-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: LAKEVILLE
Pace Project No.: 50149912

Sample: TRIP BLANK **Lab ID: 50149912005** Collected: 07/18/16 08:00 Received: 07/19/16 09:30 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		07/26/16 18:40	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		07/26/16 18:40	75-09-2	
1-Methylnaphthalene	ND	ug/L	5.0	1		07/26/16 18:40	90-12-0	N2
2-Methylnaphthalene	ND	ug/L	10.0	1		07/26/16 18:40	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		07/26/16 18:40	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		07/26/16 18:40	1634-04-4	
Naphthalene	ND	ug/L	1.7	1		07/26/16 18:40	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		07/26/16 18:40	103-65-1	
Styrene	ND	ug/L	5.0	1		07/26/16 18:40	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		07/26/16 18:40	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		07/26/16 18:40	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		07/26/16 18:40	127-18-4	
Toluene	ND	ug/L	5.0	1		07/26/16 18:40	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		07/26/16 18:40	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		07/26/16 18:40	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		07/26/16 18:40	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		07/26/16 18:40	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		07/26/16 18:40	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		07/26/16 18:40	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		07/26/16 18:40	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		07/26/16 18:40	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		07/26/16 18:40	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		07/26/16 18:40	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		07/26/16 18:40	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		07/26/16 18:40	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	99	%.	84-118	1		07/26/16 18:40	1868-53-7	
4-Bromofluorobenzene (S)	100	%.	79-116	1		07/26/16 18:40	460-00-4	
Toluene-d8 (S)	96	%.	86-110	1		07/26/16 18:40	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: LAKEVILLE
Pace Project No.: 50149912

QC Batch: 342639 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET
Associated Lab Samples: 50149912001, 50149912002, 50149912003, 50149912004

METHOD BLANK: 1587162 Matrix: Solid
Associated Lab Samples: 50149912001, 50149912002, 50149912003, 50149912004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	mg/kg	ND	1.0	07/26/16 03:41	

LABORATORY CONTROL SAMPLE: 1587163

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/kg	50	51.6	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1587164 1587165

Parameter	Units	50149903002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	mg/kg	30.1	44.2	47.3	46.4	43.4	37	28	75-125	7	20	M3

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1587166 1587167

Parameter	Units	50149912002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	mg/kg	8.9	58.9	58.2	60.4	59.5	87	87	75-125	2	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: LAKEVILLE
Pace Project No.: 50149912

QC Batch: 343833
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Associated Lab Samples: 50149912005

METHOD BLANK: 1592148
Matrix: Water
Associated Lab Samples: 50149912005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	07/26/16 12:07	
1,1,1-Trichloroethane	ug/L	ND	5.0	07/26/16 12:07	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	07/26/16 12:07	
1,1,2-Trichloroethane	ug/L	ND	5.0	07/26/16 12:07	
1,1-Dichloroethane	ug/L	ND	5.0	07/26/16 12:07	
1,1-Dichloroethene	ug/L	ND	5.0	07/26/16 12:07	
1,1-Dichloropropene	ug/L	ND	5.0	07/26/16 12:07	
1,2,3-Trichlorobenzene	ug/L	ND	5.0	07/26/16 12:07	
1,2,3-Trichloropropane	ug/L	ND	5.0	07/26/16 12:07	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	07/26/16 12:07	
1,2,4-Trimethylbenzene	ug/L	ND	5.0	07/26/16 12:07	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	07/26/16 12:07	
1,2-Dichlorobenzene	ug/L	ND	5.0	07/26/16 12:07	
1,2-Dichloroethane	ug/L	ND	5.0	07/26/16 12:07	
1,2-Dichloropropane	ug/L	ND	5.0	07/26/16 12:07	
1,3,5-Trimethylbenzene	ug/L	ND	5.0	07/26/16 12:07	
1,3-Dichlorobenzene	ug/L	ND	5.0	07/26/16 12:07	
1,3-Dichloropropane	ug/L	ND	5.0	07/26/16 12:07	
1,4-Dichlorobenzene	ug/L	ND	5.0	07/26/16 12:07	
1-Methylnaphthalene	ug/L	ND	5.0	07/26/16 12:07	N2
2,2-Dichloropropane	ug/L	ND	5.0	07/26/16 12:07	
2-Butanone (MEK)	ug/L	ND	25.0	07/26/16 12:07	
2-Chlorotoluene	ug/L	ND	5.0	07/26/16 12:07	
2-Hexanone	ug/L	ND	25.0	07/26/16 12:07	
2-Methylnaphthalene	ug/L	ND	10.0	07/26/16 12:07	
4-Chlorotoluene	ug/L	ND	5.0	07/26/16 12:07	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	07/26/16 12:07	
Acetone	ug/L	ND	100	07/26/16 12:07	
Acrolein	ug/L	ND	50.0	07/26/16 12:07	
Acrylonitrile	ug/L	ND	100	07/26/16 12:07	
Benzene	ug/L	ND	5.0	07/26/16 12:07	
Bromobenzene	ug/L	ND	5.0	07/26/16 12:07	
Bromochloromethane	ug/L	ND	5.0	07/26/16 12:07	
Bromodichloromethane	ug/L	ND	5.0	07/26/16 12:07	
Bromoform	ug/L	ND	5.0	07/26/16 12:07	
Bromomethane	ug/L	ND	5.0	07/26/16 12:07	
Carbon disulfide	ug/L	ND	10.0	07/26/16 12:07	
Carbon tetrachloride	ug/L	ND	5.0	07/26/16 12:07	
Chlorobenzene	ug/L	ND	5.0	07/26/16 12:07	
Chloroethane	ug/L	ND	5.0	07/26/16 12:07	
Chloroform	ug/L	ND	5.0	07/26/16 12:07	

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QUALITY CONTROL DATA

Project: LAKEVILLE
Pace Project No.: 50149912

METHOD BLANK: 1592148 Matrix: Water
Associated Lab Samples: 50149912005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloromethane	ug/L	ND	5.0	07/26/16 12:07	
cis-1,2-Dichloroethene	ug/L	ND	5.0	07/26/16 12:07	
cis-1,3-Dichloropropene	ug/L	ND	5.0	07/26/16 12:07	
Dibromochloromethane	ug/L	ND	5.0	07/26/16 12:07	
Dibromomethane	ug/L	ND	5.0	07/26/16 12:07	
Dichlorodifluoromethane	ug/L	ND	5.0	07/26/16 12:07	
Ethyl methacrylate	ug/L	ND	100	07/26/16 12:07	
Ethylbenzene	ug/L	ND	5.0	07/26/16 12:07	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	07/26/16 12:07	
Iodomethane	ug/L	ND	10.0	07/26/16 12:07	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	07/26/16 12:07	
Methyl-tert-butyl ether	ug/L	ND	4.0	07/26/16 12:07	
Methylene Chloride	ug/L	ND	5.0	07/26/16 12:07	
n-Butylbenzene	ug/L	ND	5.0	07/26/16 12:07	
n-Hexane	ug/L	ND	5.0	07/26/16 12:07	
n-Propylbenzene	ug/L	ND	5.0	07/26/16 12:07	
Naphthalene	ug/L	ND	1.7	07/26/16 12:07	
p-Isopropyltoluene	ug/L	ND	5.0	07/26/16 12:07	
sec-Butylbenzene	ug/L	ND	5.0	07/26/16 12:07	
Styrene	ug/L	ND	5.0	07/26/16 12:07	
tert-Butylbenzene	ug/L	ND	5.0	07/26/16 12:07	
Tetrachloroethene	ug/L	ND	5.0	07/26/16 12:07	
Toluene	ug/L	ND	5.0	07/26/16 12:07	
trans-1,2-Dichloroethene	ug/L	ND	5.0	07/26/16 12:07	
trans-1,3-Dichloropropene	ug/L	ND	5.0	07/26/16 12:07	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	07/26/16 12:07	
Trichloroethene	ug/L	ND	5.0	07/26/16 12:07	
Trichlorofluoromethane	ug/L	ND	5.0	07/26/16 12:07	
Vinyl acetate	ug/L	ND	50.0	07/26/16 12:07	
Vinyl chloride	ug/L	ND	2.0	07/26/16 12:07	
Xylene (Total)	ug/L	ND	10.0	07/26/16 12:07	
4-Bromofluorobenzene (S)	%.	101	79-116	07/26/16 12:07	
Dibromofluoromethane (S)	%.	99	84-118	07/26/16 12:07	
Toluene-d8 (S)	%.	99	86-110	07/26/16 12:07	

LABORATORY CONTROL SAMPLE: 1592149

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	50.1	100	74-130	
1,1,1-Trichloroethane	ug/L	50	64.0	128	72-123	L0
1,1,2,2-Tetrachloroethane	ug/L	50	50.6	101	72-124	
1,1,2-Trichloroethane	ug/L	50	47.3	95	75-125	
1,1-Dichloroethane	ug/L	50	49.3	99	70-120	
1,1-Dichloroethene	ug/L	50	45.2	90	69-127	

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QUALITY CONTROL DATA

Project: LAKEVILLE
Pace Project No.: 50149912

LABORATORY CONTROL SAMPLE: 1592149

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloropropene	ug/L	50	51.0	102	81-129	
1,2,3-Trichlorobenzene	ug/L	50	54.7	109	71-130	
1,2,3-Trichloropropane	ug/L	50	51.8	104	77-127	
1,2,4-Trichlorobenzene	ug/L	50	51.2	102	66-126	
1,2,4-Trimethylbenzene	ug/L	50	49.8	100	73-125	
1,2-Dibromoethane (EDB)	ug/L	50	52.8	106	76-125	
1,2-Dichlorobenzene	ug/L	50	47.8	96	77-122	
1,2-Dichloroethane	ug/L	50	51.7	103	70-123	
1,2-Dichloropropane	ug/L	50	57.6	115	77-124	
1,3,5-Trimethylbenzene	ug/L	50	50.1	100	75-124	
1,3-Dichlorobenzene	ug/L	50	49.0	98	76-124	
1,3-Dichloropropane	ug/L	50	53.0	106	77-123	
1,4-Dichlorobenzene	ug/L	50	47.9	96	75-117	
1-Methylnaphthalene	ug/L	50	43.9	88	55-151	N2
2,2-Dichloropropane	ug/L	50	57.3	115	44-147	
2-Butanone (MEK)	ug/L	250	276	110	60-135	
2-Chlorotoluene	ug/L	50	46.0	92	75-124	
2-Hexanone	ug/L	250	262	105	65-139	
2-Methylnaphthalene	ug/L	50	37.9	76	58-148	
4-Chlorotoluene	ug/L	50	50.6	101	75-124	
4-Methyl-2-pentanone (MIBK)	ug/L	250	288	115	66-134	
Acetone	ug/L	250	308	123	47-144	
Acrolein	ug/L	1000	426	43	31-200	
Acrylonitrile	ug/L	200	211	106	64-133	
Benzene	ug/L	50	49.9	100	76-122	
Bromobenzene	ug/L	50	53.1	106	75-117	
Bromochloromethane	ug/L	50	54.2	108	74-134	
Bromodichloromethane	ug/L	50	56.6	113	71-124	
Bromoform	ug/L	50	43.5	87	60-125	
Bromomethane	ug/L	50	44.8	90	23-194	
Carbon disulfide	ug/L	50	41.9	84	63-130	
Carbon tetrachloride	ug/L	50	66.1	132	73-133	
Chlorobenzene	ug/L	50	50.2	100	76-118	
Chloroethane	ug/L	50	42.8	86	50-147	
Chloroform	ug/L	50	48.9	98	70-119	
Chloromethane	ug/L	50	36.6	73	52-136	
cis-1,2-Dichloroethene	ug/L	50	51.5	103	74-120	
cis-1,3-Dichloropropene	ug/L	50	49.9	100	71-134	
Dibromochloromethane	ug/L	50	47.9	96	73-127	
Dibromomethane	ug/L	50	50.7	101	75-124	
Dichlorodifluoromethane	ug/L	50	50.5	101	39-166	
Ethyl methacrylate	ug/L	200	206	103	73-136	
Ethylbenzene	ug/L	50	51.4	103	75-123	
Hexachloro-1,3-butadiene	ug/L	50	53.4	107	70-125	
Iodomethane	ug/L	100	102	102	56-142	
Isopropylbenzene (Cumene)	ug/L	50	56.0	112	84-134	
Methyl-tert-butyl ether	ug/L	50	55.6	111	65-131	

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QUALITY CONTROL DATA

Project: LAKEVILLE
Pace Project No.: 50149912

LABORATORY CONTROL SAMPLE: 1592149

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Methylene Chloride	ug/L	50	49.0	98	66-130	
n-Butylbenzene	ug/L	50	52.4	105	70-127	
n-Hexane	ug/L	50	49.8	100	64-131	
n-Propylbenzene	ug/L	50	50.0	100	78-131	
Naphthalene	ug/L	50	51.0	102	65-134	
p-Isopropyltoluene	ug/L	50	51.4	103	75-124	
sec-Butylbenzene	ug/L	50	51.4	103	83-135	
Styrene	ug/L	50	52.6	105	78-128	
tert-Butylbenzene	ug/L	50	44.9	90	62-114	
Tetrachloroethene	ug/L	50	51.9	104	69-119	
Toluene	ug/L	50	47.3	95	74-122	
trans-1,2-Dichloroethene	ug/L	50	52.2	104	72-122	
trans-1,3-Dichloropropene	ug/L	50	50.5	101	66-135	
trans-1,4-Dichloro-2-butene	ug/L	200	196	98	39-153	
Trichloroethene	ug/L	50	49.5	99	75-123	
Trichlorofluoromethane	ug/L	50	60.2	120	58-148	
Vinyl acetate	ug/L	200	227	114	67-154	
Vinyl chloride	ug/L	50	48.4	97	61-147	
Xylene (Total)	ug/L	150	151	101	75-127	
4-Bromofluorobenzene (S)	%.			106	79-116	
Dibromofluoromethane (S)	%.			102	84-118	
Toluene-d8 (S)	%.			97	86-110	

MATRIX SPIKE SAMPLE: 1592151

Parameter	Units	50149885003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	50	44.9	90	44-142	
1,1,1-Trichloroethane	ug/L	ND	50	57.2	114	51-140	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	43.3	87	49-138	
1,1,2-Trichloroethane	ug/L	ND	50	42.4	85	51-138	
1,1-Dichloroethane	ug/L	ND	50	43.6	87	48-137	
1,1-Dichloroethene	ug/L	ND	50	43.3	87	51-144	
1,1-Dichloropropene	ug/L	ND	50	47.0	94	54-150	
1,2,3-Trichlorobenzene	ug/L	ND	50	44.0	88	32-140	
1,2,3-Trichloropropane	ug/L	ND	50	46.0	92	51-139	
1,2,4-Trichlorobenzene	ug/L	ND	50	40.3	81	27-134	
1,2,4-Trimethylbenzene	ug/L	ND	50	45.3	91	32-143	
1,2-Dibromoethane (EDB)	ug/L	ND	50	43.9	88	52-134	
1,2-Dichlorobenzene	ug/L	ND	50	42.7	85	38-138	
1,2-Dichloroethane	ug/L	ND	50	44.8	90	44-144	
1,2-Dichloropropane	ug/L	ND	50	49.7	99	56-138	
1,3,5-Trimethylbenzene	ug/L	ND	50	46.1	92	28-146	
1,3-Dichlorobenzene	ug/L	ND	50	43.0	86	36-139	
1,3-Dichloropropane	ug/L	ND	50	46.0	92	54-137	
1,4-Dichlorobenzene	ug/L	ND	50	41.2	82	34-134	

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QUALITY CONTROL DATA

Project: LAKEVILLE
Pace Project No.: 50149912

MATRIX SPIKE SAMPLE: 1592151

Parameter	Units	50149885003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/L	ND	50	36.3	73	32-150	N2
2,2-Dichloropropane	ug/L	ND	50	45.9	92	20-142	
2-Butanone (MEK)	ug/L	ND	250	214	86	44-142	
2-Chlorotoluene	ug/L	ND	50	41.5	83	36-143	
2-Hexanone	ug/L	ND	250	220	88	43-150	
2-Methylnaphthalene	ug/L	ND	50	31.7	63	27-148	
4-Chlorotoluene	ug/L	ND	50	45.1	90	34-143	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	248	99	46-143	
Acetone	ug/L	ND	250	203	81	33-150	
Acrolein	ug/L	ND	1000	782	78	32-200	
Acrylonitrile	ug/L	ND	200	181	91	47-143	
Benzene	ug/L	ND	50	45.0	90	51-140	
Bromobenzene	ug/L	ND	50	44.4	89	41-134	
Bromochloromethane	ug/L	ND	50	50.0	100	53-148	
Bromodichloromethane	ug/L	ND	50	48.5	97	46-137	
Bromoform	ug/L	ND	50	36.7	73	36-127	
Bromomethane	ug/L	ND	50	39.7	79	10-188	
Carbon disulfide	ug/L	ND	50	39.6	79	35-148	
Carbon tetrachloride	ug/L	ND	50	59.7	119	45-151	
Chlorobenzene	ug/L	ND	50	43.4	87	45-138	
Chloroethane	ug/L	ND	50	40.4	81	33-164	
Chloroform	ug/L	ND	50	43.2	86	50-135	
Chloromethane	ug/L	ND	50	35.6	71	38-146	
cis-1,2-Dichloroethene	ug/L	ND	50	45.7	91	43-144	
cis-1,3-Dichloropropene	ug/L	ND	50	42.0	84	42-136	
Dibromochloromethane	ug/L	ND	50	41.2	82	45-136	
Dibromomethane	ug/L	ND	50	44.4	89	51-139	
Dichlorodifluoromethane	ug/L	ND	50	42.8	86	29-174	
Ethyl methacrylate	ug/L	ND	200	177	88	44-150	
Ethylbenzene	ug/L	ND	50	44.8	90	36-146	
Hexachloro-1,3-butadiene	ug/L	ND	50	42.7	85	14-150	
Iodomethane	ug/L	ND	100	56.1	56	28-153	
Isopropylbenzene (Cumene)	ug/L	ND	50	49.4	99	43-159	
Methyl-tert-butyl ether	ug/L	ND	50	45.5	91	43-146	
Methylene Chloride	ug/L	ND	50	45.4	91	48-140	
n-Butylbenzene	ug/L	ND	50	45.9	92	16-152	
n-Hexane	ug/L	ND	50	45.6	91	40-144	
n-Propylbenzene	ug/L	ND	50	45.6	91	28-157	
Naphthalene	ug/L	ND	50	42.4	85	38-141	
p-Isopropyltoluene	ug/L	ND	50	45.9	92	21-151	
sec-Butylbenzene	ug/L	ND	50	46.5	93	27-165	
Styrene	ug/L	ND	50	46.3	93	31-148	
tert-Butylbenzene	ug/L	ND	50	40.9	82	24-131	
Tetrachloroethene	ug/L	ND	50	45.7	91	38-139	
Toluene	ug/L	ND	50	41.8	84	44-140	
trans-1,2-Dichloroethene	ug/L	ND	50	47.1	94	50-139	
trans-1,3-Dichloropropene	ug/L	ND	50	42.0	84	37-138	

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QUALITY CONTROL DATA

Project: LAKEVILLE
Pace Project No.: 50149912

MATRIX SPIKE SAMPLE: 1592151

Parameter	Units	50149885003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
trans-1,4-Dichloro-2-butene	ug/L	ND	200	139	70	10-157	
Trichloroethene	ug/L	ND	50	43.0	86	44-146	
Trichlorofluoromethane	ug/L	ND	50	58.9	118	41-164	
Vinyl acetate	ug/L	ND	200	172	86	15-146	
Vinyl chloride	ug/L	ND	50	45.0	90	43-166	
Xylene (Total)	ug/L	ND	150	136	90	35-146	
4-Bromofluorobenzene (S)	%.				104	79-116	
Dibromofluoromethane (S)	%.				101	84-118	
Toluene-d8 (S)	%.				97	86-110	

SAMPLE DUPLICATE: 1592150

Parameter	Units	50149885002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	ND		20	
1,1,1-Trichloroethane	ug/L	ND	ND		20	
1,1,2,2-Tetrachloroethane	ug/L	ND	ND		20	
1,1,2-Trichloroethane	ug/L	ND	ND		20	
1,1-Dichloroethane	ug/L	ND	ND		20	
1,1-Dichloroethene	ug/L	ND	ND		20	
1,1-Dichloropropene	ug/L	ND	ND		20	
1,2,3-Trichlorobenzene	ug/L	ND	ND		20	
1,2,3-Trichloropropane	ug/L	ND	ND		20	
1,2,4-Trichlorobenzene	ug/L	ND	ND		20	
1,2,4-Trimethylbenzene	ug/L	ND	3.4J		20	
1,2-Dibromoethane (EDB)	ug/L	ND	ND		20	
1,2-Dichlorobenzene	ug/L	ND	ND		20	
1,2-Dichloroethane	ug/L	ND	ND		20	
1,2-Dichloropropane	ug/L	ND	ND		20	
1,3,5-Trimethylbenzene	ug/L	ND	ND		20	
1,3-Dichlorobenzene	ug/L	ND	ND		20	
1,3-Dichloropropane	ug/L	ND	ND		20	
1,4-Dichlorobenzene	ug/L	ND	ND		20	
1-Methylnaphthalene	ug/L	ND	ND		20	N2
2,2-Dichloropropane	ug/L	ND	ND		20	
2-Butanone (MEK)	ug/L	ND	ND		20	
2-Chlorotoluene	ug/L	ND	ND		20	
2-Hexanone	ug/L	ND	ND		20	
2-Methylnaphthalene	ug/L	ND	ND		20	
4-Chlorotoluene	ug/L	ND	ND		20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	ND		20	
Acetone	ug/L	ND	ND		20	
Acrolein	ug/L	ND	ND		20	
Acrylonitrile	ug/L	ND	ND		20	
Benzene	ug/L	ND	ND		20	
Bromobenzene	ug/L	ND	ND		20	

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REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.
7726 Moller Road
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(317)228-3100

QUALITY CONTROL DATA

Project: LAKEVILLE
Pace Project No.: 50149912

SAMPLE DUPLICATE: 1592150

Parameter	Units	50149885002 Result	Dup Result	RPD	Max RPD	Qualifiers
Bromochloromethane	ug/L	ND	ND		20	
Bromodichloromethane	ug/L	ND	ND		20	
Bromoform	ug/L	ND	ND		20	
Bromomethane	ug/L	ND	ND		20	
Carbon disulfide	ug/L	ND	ND		20	
Carbon tetrachloride	ug/L	ND	ND		20	
Chlorobenzene	ug/L	ND	ND		20	
Chloroethane	ug/L	ND	ND		20	
Chloroform	ug/L	ND	ND		20	
Chloromethane	ug/L	ND	ND		20	
cis-1,2-Dichloroethene	ug/L	ND	ND		20	
cis-1,3-Dichloropropene	ug/L	ND	ND		20	
Dibromochloromethane	ug/L	ND	ND		20	
Dibromomethane	ug/L	ND	ND		20	
Dichlorodifluoromethane	ug/L	ND	ND		20	
Ethyl methacrylate	ug/L	ND	ND		20	
Ethylbenzene	ug/L	ND	ND		20	
Hexachloro-1,3-butadiene	ug/L	ND	ND		20	
Iodomethane	ug/L	ND	ND		20	
Isopropylbenzene (Cumene)	ug/L	ND	ND		20	
Methyl-tert-butyl ether	ug/L	ND	ND		20	
Methylene Chloride	ug/L	ND	ND		20	
n-Butylbenzene	ug/L	ND	ND		20	
n-Hexane	ug/L	ND	ND		20	
n-Propylbenzene	ug/L	ND	ND		20	
Naphthalene	ug/L	ND	ND		20	
p-Isopropyltoluene	ug/L	ND	ND		20	
sec-Butylbenzene	ug/L	ND	ND		20	
Styrene	ug/L	ND	ND		20	
tert-Butylbenzene	ug/L	ND	ND		20	
Tetrachloroethene	ug/L	ND	ND		20	
Toluene	ug/L	19.4	17.8	9	20	
trans-1,2-Dichloroethene	ug/L	ND	ND		20	
trans-1,3-Dichloropropene	ug/L	ND	ND		20	
trans-1,4-Dichloro-2-butene	ug/L	ND	ND		20	
Trichloroethene	ug/L	ND	ND		20	
Trichlorofluoromethane	ug/L	ND	ND		20	
Vinyl acetate	ug/L	ND	ND		20	
Vinyl chloride	ug/L	ND	ND		20	
Xylene (Total)	ug/L	64.7	60.6	7	20	
4-Bromofluorobenzene (S)	%.	102	100	2		
Dibromofluoromethane (S)	%.	97	100	3		
Toluene-d8 (S)	%.	97	97	0		

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QUALITY CONTROL DATA

Project: LAKEVILLE
Pace Project No.: 50149912

QC Batch: 344221 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 50149912001, 50149912003, 50149912004

METHOD BLANK: 1593658 Matrix: Solid
Associated Lab Samples: 50149912001, 50149912003, 50149912004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	ND	0.0050	07/28/16 14:47	
1,1,1-Trichloroethane	mg/kg	ND	0.0050	07/28/16 14:47	
1,1,2,2-Tetrachloroethane	mg/kg	ND	0.0050	07/28/16 14:47	
1,1,2-Trichloroethane	mg/kg	ND	0.0050	07/28/16 14:47	
1,1-Dichloroethane	mg/kg	ND	0.0050	07/28/16 14:47	
1,1-Dichloroethene	mg/kg	ND	0.0050	07/28/16 14:47	
1,1-Dichloropropene	mg/kg	ND	0.0050	07/28/16 14:47	
1,2,3-Trichlorobenzene	mg/kg	ND	0.0050	07/28/16 14:47	
1,2,3-Trichloropropane	mg/kg	ND	0.0050	07/28/16 14:47	
1,2,4-Trichlorobenzene	mg/kg	ND	0.0050	07/28/16 14:47	
1,2,4-Trimethylbenzene	mg/kg	ND	0.0050	07/28/16 14:47	
1,2-Dibromoethane (EDB)	mg/kg	ND	0.0050	07/28/16 14:47	
1,2-Dichlorobenzene	mg/kg	ND	0.0050	07/28/16 14:47	
1,2-Dichloroethane	mg/kg	ND	0.0050	07/28/16 14:47	
1,2-Dichloropropane	mg/kg	ND	0.0050	07/28/16 14:47	
1,3,5-Trimethylbenzene	mg/kg	ND	0.0050	07/28/16 14:47	
1,3-Dichlorobenzene	mg/kg	ND	0.0050	07/28/16 14:47	
1,3-Dichloropropane	mg/kg	ND	0.0050	07/28/16 14:47	
1,4-Dichlorobenzene	mg/kg	ND	0.0050	07/28/16 14:47	
2,2-Dichloropropane	mg/kg	ND	0.0050	07/28/16 14:47	
2-Butanone (MEK)	mg/kg	ND	0.025	07/28/16 14:47	
2-Chlorotoluene	mg/kg	ND	0.0050	07/28/16 14:47	
2-Hexanone	mg/kg	ND	0.10	07/28/16 14:47	
4-Chlorotoluene	mg/kg	ND	0.0050	07/28/16 14:47	
4-Methyl-2-pentanone (MIBK)	mg/kg	ND	0.025	07/28/16 14:47	
Acetone	mg/kg	ND	0.10	07/28/16 14:47	
Acrolein	mg/kg	ND	0.10	07/28/16 14:47	
Acrylonitrile	mg/kg	ND	0.10	07/28/16 14:47	
Benzene	mg/kg	ND	0.0050	07/28/16 14:47	
Bromobenzene	mg/kg	ND	0.0050	07/28/16 14:47	
Bromochloromethane	mg/kg	ND	0.0050	07/28/16 14:47	
Bromodichloromethane	mg/kg	ND	0.0050	07/28/16 14:47	
Bromoform	mg/kg	ND	0.0050	07/28/16 14:47	
Bromomethane	mg/kg	ND	0.0050	07/28/16 14:47	
Carbon disulfide	mg/kg	ND	0.010	07/28/16 14:47	
Carbon tetrachloride	mg/kg	ND	0.0050	07/28/16 14:47	
Chlorobenzene	mg/kg	ND	0.0050	07/28/16 14:47	
Chloroethane	mg/kg	ND	0.0050	07/28/16 14:47	
Chloroform	mg/kg	ND	0.0050	07/28/16 14:47	
Chloromethane	mg/kg	ND	0.0050	07/28/16 14:47	
cis-1,2-Dichloroethene	mg/kg	ND	0.0050	07/28/16 14:47	

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QUALITY CONTROL DATA

Project: LAKEVILLE
Pace Project No.: 50149912

METHOD BLANK: 1593658 Matrix: Solid
Associated Lab Samples: 50149912001, 50149912003, 50149912004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,3-Dichloropropene	mg/kg	ND	0.0050	07/28/16 14:47	
Dibromochloromethane	mg/kg	ND	0.0050	07/28/16 14:47	
Dibromomethane	mg/kg	ND	0.0050	07/28/16 14:47	
Dichlorodifluoromethane	mg/kg	ND	0.0050	07/28/16 14:47	
Ethyl methacrylate	mg/kg	ND	0.10	07/28/16 14:47	
Ethylbenzene	mg/kg	ND	0.0050	07/28/16 14:47	
Hexachloro-1,3-butadiene	mg/kg	ND	0.0050	07/28/16 14:47	
Iodomethane	mg/kg	ND	0.10	07/28/16 14:47	
Isopropylbenzene (Cumene)	mg/kg	ND	0.0050	07/28/16 14:47	
Methyl-tert-butyl ether	mg/kg	ND	0.0050	07/28/16 14:47	
Methylene Chloride	mg/kg	ND	0.020	07/28/16 14:47	
n-Butylbenzene	mg/kg	ND	0.0050	07/28/16 14:47	
n-Hexane	mg/kg	ND	0.0050	07/28/16 14:47	
n-Propylbenzene	mg/kg	ND	0.0050	07/28/16 14:47	
Naphthalene	mg/kg	ND	0.0050	07/28/16 14:47	
p-Isopropyltoluene	mg/kg	ND	0.0050	07/28/16 14:47	
sec-Butylbenzene	mg/kg	ND	0.0050	07/28/16 14:47	
Styrene	mg/kg	ND	0.0050	07/28/16 14:47	
tert-Butylbenzene	mg/kg	ND	0.0050	07/28/16 14:47	
Tetrachloroethene	mg/kg	ND	0.0050	07/28/16 14:47	
Toluene	mg/kg	ND	0.0050	07/28/16 14:47	
trans-1,2-Dichloroethene	mg/kg	ND	0.0050	07/28/16 14:47	
trans-1,3-Dichloropropene	mg/kg	ND	0.0050	07/28/16 14:47	
trans-1,4-Dichloro-2-butene	mg/kg	ND	0.10	07/28/16 14:47	
Trichloroethene	mg/kg	ND	0.0050	07/28/16 14:47	
Trichlorofluoromethane	mg/kg	ND	0.0050	07/28/16 14:47	
Vinyl acetate	mg/kg	ND	0.10	07/28/16 14:47	
Vinyl chloride	mg/kg	ND	0.0050	07/28/16 14:47	
Xylene (Total)	mg/kg	ND	0.010	07/28/16 14:47	
4-Bromofluorobenzene (S)	%.	99	65-127	07/28/16 14:47	
Dibromofluoromethane (S)	%.	104	70-128	07/28/16 14:47	
Toluene-d8 (S)	%.	96	72-139	07/28/16 14:47	

LABORATORY CONTROL SAMPLE: 1593659

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	mg/kg	.05	0.054	109	67-123	
1,1,2,2-Tetrachloroethane	mg/kg	.05	0.050	100	67-129	
1,1-Dichloroethene	mg/kg	.05	0.058	116	64-133	
1,2,4-Trimethylbenzene	mg/kg	.05	0.048	95	66-118	
1,2-Dichloropropane	mg/kg	.05	0.049	98	74-119	
Benzene	mg/kg	.05	0.052	104	72-120	
Chlorobenzene	mg/kg	.05	0.048	96	72-115	
Chloroform	mg/kg	.05	0.050	100	66-116	

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QUALITY CONTROL DATA

Project: LAKEVILLE
Pace Project No.: 50149912

LABORATORY CONTROL SAMPLE: 1593659

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,2-Dichloroethene	mg/kg	.05	0.053	107	74-115	
Ethylbenzene	mg/kg	.05	0.048	96	70-121	
Isopropylbenzene (Cumene)	mg/kg	.05	0.048	95	78-130	
Methyl-tert-butyl ether	mg/kg	.05	0.053	106	68-123	
Naphthalene	mg/kg	.05	0.045	91	63-125	
Tetrachloroethene	mg/kg	.05	0.048	95	66-118	
Toluene	mg/kg	.05	0.048	95	68-121	
trans-1,2-Dichloroethene	mg/kg	.05	0.054	107	71-120	
Trichloroethene	mg/kg	.05	0.053	106	73-120	
Vinyl chloride	mg/kg	.05	0.059	118	54-155	
Xylene (Total)	mg/kg	.15	0.14	94	69-122	
4-Bromofluorobenzene (S)	%.			100	65-127	
Dibromofluoromethane (S)	%.			106	70-128	
Toluene-d8 (S)	%.			103	72-139	

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QUALITY CONTROL DATA

Project: LAKEVILLE
Pace Project No.: 50149912

QC Batch: 344431
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 50149912002

METHOD BLANK: 1594760
Matrix: Solid
Associated Lab Samples: 50149912002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	ND	0.0050	07/29/16 14:35	
1,1,1-Trichloroethane	mg/kg	ND	0.0050	07/29/16 14:35	
1,1,2,2-Tetrachloroethane	mg/kg	ND	0.0050	07/29/16 14:35	
1,1,2-Trichloroethane	mg/kg	ND	0.0050	07/29/16 14:35	
1,1-Dichloroethane	mg/kg	ND	0.0050	07/29/16 14:35	
1,1-Dichloroethene	mg/kg	ND	0.0050	07/29/16 14:35	
1,1-Dichloropropene	mg/kg	ND	0.0050	07/29/16 14:35	
1,2,3-Trichlorobenzene	mg/kg	ND	0.0050	07/29/16 14:35	
1,2,3-Trichloropropane	mg/kg	ND	0.0050	07/29/16 14:35	
1,2,4-Trichlorobenzene	mg/kg	ND	0.0050	07/29/16 14:35	
1,2,4-Trimethylbenzene	mg/kg	ND	0.0050	07/29/16 14:35	
1,2-Dibromoethane (EDB)	mg/kg	ND	0.0050	07/29/16 14:35	
1,2-Dichlorobenzene	mg/kg	ND	0.0050	07/29/16 14:35	
1,2-Dichloroethane	mg/kg	ND	0.0050	07/29/16 14:35	
1,2-Dichloropropane	mg/kg	ND	0.0050	07/29/16 14:35	
1,3,5-Trimethylbenzene	mg/kg	ND	0.0050	07/29/16 14:35	
1,3-Dichlorobenzene	mg/kg	ND	0.0050	07/29/16 14:35	
1,3-Dichloropropane	mg/kg	ND	0.0050	07/29/16 14:35	
1,4-Dichlorobenzene	mg/kg	ND	0.0050	07/29/16 14:35	
2,2-Dichloropropane	mg/kg	ND	0.0050	07/29/16 14:35	
2-Butanone (MEK)	mg/kg	ND	0.025	07/29/16 14:35	
2-Chlorotoluene	mg/kg	ND	0.0050	07/29/16 14:35	
2-Hexanone	mg/kg	ND	0.10	07/29/16 14:35	
4-Chlorotoluene	mg/kg	ND	0.0050	07/29/16 14:35	
4-Methyl-2-pentanone (MIBK)	mg/kg	ND	0.025	07/29/16 14:35	
Acetone	mg/kg	ND	0.10	07/29/16 14:35	
Acrolein	mg/kg	ND	0.10	07/29/16 14:35	
Acrylonitrile	mg/kg	ND	0.10	07/29/16 14:35	
Benzene	mg/kg	ND	0.0050	07/29/16 14:35	
Bromobenzene	mg/kg	ND	0.0050	07/29/16 14:35	
Bromochloromethane	mg/kg	ND	0.0050	07/29/16 14:35	
Bromodichloromethane	mg/kg	ND	0.0050	07/29/16 14:35	
Bromoform	mg/kg	ND	0.0050	07/29/16 14:35	
Bromomethane	mg/kg	ND	0.0050	07/29/16 14:35	
Carbon disulfide	mg/kg	ND	0.010	07/29/16 14:35	
Carbon tetrachloride	mg/kg	ND	0.0050	07/29/16 14:35	
Chlorobenzene	mg/kg	ND	0.0050	07/29/16 14:35	
Chloroethane	mg/kg	ND	0.0050	07/29/16 14:35	
Chloroform	mg/kg	ND	0.0050	07/29/16 14:35	
Chloromethane	mg/kg	ND	0.0050	07/29/16 14:35	
cis-1,2-Dichloroethene	mg/kg	ND	0.0050	07/29/16 14:35	

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QUALITY CONTROL DATA

Project: LAKEVILLE
Pace Project No.: 50149912

METHOD BLANK: 1594760 Matrix: Solid
Associated Lab Samples: 50149912002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,3-Dichloropropene	mg/kg	ND	0.0050	07/29/16 14:35	
Dibromochloromethane	mg/kg	ND	0.0050	07/29/16 14:35	
Dibromomethane	mg/kg	ND	0.0050	07/29/16 14:35	
Dichlorodifluoromethane	mg/kg	ND	0.0050	07/29/16 14:35	
Ethyl methacrylate	mg/kg	ND	0.10	07/29/16 14:35	
Ethylbenzene	mg/kg	ND	0.0050	07/29/16 14:35	
Hexachloro-1,3-butadiene	mg/kg	ND	0.0050	07/29/16 14:35	
Iodomethane	mg/kg	ND	0.10	07/29/16 14:35	
Isopropylbenzene (Cumene)	mg/kg	ND	0.0050	07/29/16 14:35	
Methyl-tert-butyl ether	mg/kg	ND	0.0050	07/29/16 14:35	
Methylene Chloride	mg/kg	ND	0.020	07/29/16 14:35	
n-Butylbenzene	mg/kg	ND	0.0050	07/29/16 14:35	
n-Hexane	mg/kg	ND	0.0050	07/29/16 14:35	
n-Propylbenzene	mg/kg	ND	0.0050	07/29/16 14:35	
Naphthalene	mg/kg	ND	0.0050	07/29/16 14:35	
p-Isopropyltoluene	mg/kg	ND	0.0050	07/29/16 14:35	
sec-Butylbenzene	mg/kg	ND	0.0050	07/29/16 14:35	
Styrene	mg/kg	ND	0.0050	07/29/16 14:35	
tert-Butylbenzene	mg/kg	ND	0.0050	07/29/16 14:35	
Tetrachloroethene	mg/kg	ND	0.0050	07/29/16 14:35	
Toluene	mg/kg	ND	0.0050	07/29/16 14:35	
trans-1,2-Dichloroethene	mg/kg	ND	0.0050	07/29/16 14:35	
trans-1,3-Dichloropropene	mg/kg	ND	0.0050	07/29/16 14:35	
trans-1,4-Dichloro-2-butene	mg/kg	ND	0.10	07/29/16 14:35	
Trichloroethene	mg/kg	ND	0.0050	07/29/16 14:35	
Trichlorofluoromethane	mg/kg	ND	0.0050	07/29/16 14:35	
Vinyl acetate	mg/kg	ND	0.10	07/29/16 14:35	
Vinyl chloride	mg/kg	ND	0.0050	07/29/16 14:35	
Xylene (Total)	mg/kg	ND	0.010	07/29/16 14:35	
4-Bromofluorobenzene (S)	%.	96	65-127	07/29/16 14:35	
Dibromofluoromethane (S)	%.	103	70-128	07/29/16 14:35	
Toluene-d8 (S)	%.	100	72-139	07/29/16 14:35	

LABORATORY CONTROL SAMPLE: 1594761

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	mg/kg	.05	0.052	104	67-123	
1,1,2,2-Tetrachloroethane	mg/kg	.05	0.050	100	67-129	
1,1-Dichloroethene	mg/kg	.05	0.053	107	64-133	
1,2,4-Trimethylbenzene	mg/kg	.05	0.048	96	66-118	
1,2-Dichloropropane	mg/kg	.05	0.049	97	74-119	
Benzene	mg/kg	.05	0.048	96	72-120	
Chlorobenzene	mg/kg	.05	0.047	94	72-115	
Chloroform	mg/kg	.05	0.047	94	66-116	

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QUALITY CONTROL DATA

Project: LAKEVILLE
Pace Project No.: 50149912

LABORATORY CONTROL SAMPLE: 1594761

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,2-Dichloroethene	mg/kg	.05	0.050	100	74-115	
Ethylbenzene	mg/kg	.05	0.049	98	70-121	
Isopropylbenzene (Cumene)	mg/kg	.05	0.046	91	78-130	
Methyl-tert-butyl ether	mg/kg	.05	0.052	103	68-123	
Naphthalene	mg/kg	.05	0.047	95	63-125	
Tetrachloroethene	mg/kg	.05	0.047	94	66-118	
Toluene	mg/kg	.05	0.045	90	68-121	
trans-1,2-Dichloroethene	mg/kg	.05	0.053	106	71-120	
Trichloroethene	mg/kg	.05	0.051	103	73-120	
Vinyl chloride	mg/kg	.05	0.048	96	54-155	
Xylene (Total)	mg/kg	.15	0.14	92	69-122	
4-Bromofluorobenzene (S)	%.			100	65-127	
Dibromofluoromethane (S)	%.			102	70-128	
Toluene-d8 (S)	%.			101	72-139	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1594762 1594763

Parameter	Units	50149912002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	mg/kg	ND	.057	.051	0.059	0.053	102	103	37-144	11	20	
1,1,2,2-Tetrachloroethane	mg/kg	ND	.057	.051	0.061	0.054	106	105	12-174	13	20	
1,1-Dichloroethene	mg/kg	ND	.057	.051	0.061	0.056	106	109	36-162	9	20	
1,2,4-Trimethylbenzene	mg/kg	ND	.057	.051	0.061	0.052	105	102	10-157	15	20	
1,2-Dichloropropane	mg/kg	ND	.057	.051	0.056	0.048	97	94	43-138	15	20	
Benzene	mg/kg	ND	.057	.051	0.054	0.047	94	92	36-144	14	20	
Chlorobenzene	mg/kg	ND	.057	.051	0.055	0.051	96	99	16-140	9	20	
Chloroform	mg/kg	ND	.057	.051	0.054	0.047	93	91	39-136	14	20	
cis-1,2-Dichloroethene	mg/kg	ND	.057	.051	0.060	0.051	104	99	34-143	17	20	
Ethylbenzene	mg/kg	ND	.057	.051	0.057	0.051	99	99	15-147	12	20	
Isopropylbenzene (Cumene)	mg/kg	ND	.057	.051	0.056	0.048	97	94	10-163	15	20	
Methyl-tert-butyl ether	mg/kg	ND	.057	.051	0.057	0.049	99	95	48-145	15	20	
Naphthalene	mg/kg	ND	.057	.051	0.042	0.038	72	74	10-132	10	20	
Tetrachloroethene	mg/kg	ND	.057	.051	0.061	0.053	105	103	14-156	13	20	
Toluene	mg/kg	ND	.057	.051	0.055	0.048	94	93	24-151	13	20	
trans-1,2-Dichloroethene	mg/kg	ND	.057	.051	0.060	0.054	104	106	33-147	11	20	
Trichloroethene	mg/kg	ND	.057	.051	0.058	0.050	100	97	21-164	16	20	
Vinyl chloride	mg/kg	ND	.057	.051	0.057	0.050	98	97	32-177	13	20	
Xylene (Total)	mg/kg	ND	.17	.16	0.17	0.15	95	96	12-148	12	20	
4-Bromofluorobenzene (S)	%.						95	92	65-127			
Dibromofluoromethane (S)	%.						98	99	70-128			
Toluene-d8 (S)	%.						104	103	72-139			

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7726 Moller Road
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QUALITY CONTROL DATA

Project: LAKEVILLE
Pace Project No.: 50149912

QC Batch: 343229 Analysis Method: EPA 8270 by SIM
QC Batch Method: EPA 3546 Analysis Description: 8270 MSSV PAH by SIM
Associated Lab Samples: 50149912001, 50149912002, 50149912003, 50149912004

METHOD BLANK: 1589764 Matrix: Solid
Associated Lab Samples: 50149912001, 50149912002, 50149912003, 50149912004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	mg/kg	ND	0.0050	07/25/16 15:15	N2
2-Methylnaphthalene	mg/kg	ND	0.0050	07/25/16 15:15	
Acenaphthene	mg/kg	ND	0.0050	07/25/16 15:15	
Acenaphthylene	mg/kg	ND	0.0050	07/25/16 15:15	
Anthracene	mg/kg	ND	0.0050	07/25/16 15:15	
Benzo(a)anthracene	mg/kg	ND	0.0050	07/25/16 15:15	
Benzo(a)pyrene	mg/kg	ND	0.0050	07/25/16 15:15	
Benzo(b)fluoranthene	mg/kg	ND	0.0050	07/25/16 15:15	
Benzo(g,h,i)perylene	mg/kg	ND	0.0050	07/25/16 15:15	
Benzo(k)fluoranthene	mg/kg	ND	0.0050	07/25/16 15:15	
Chrysene	mg/kg	ND	0.0050	07/25/16 15:15	
Dibenz(a,h)anthracene	mg/kg	ND	0.0050	07/25/16 15:15	
Fluoranthene	mg/kg	ND	0.0050	07/25/16 15:15	
Fluorene	mg/kg	ND	0.0050	07/25/16 15:15	
Indeno(1,2,3-cd)pyrene	mg/kg	ND	0.0050	07/25/16 15:15	
Naphthalene	mg/kg	ND	0.0050	07/25/16 15:15	
Phenanthrene	mg/kg	ND	0.0050	07/25/16 15:15	
Pyrene	mg/kg	ND	0.0050	07/25/16 15:15	
2-Fluorobiphenyl (S)	%.	84	25-121	07/25/16 15:15	
p-Terphenyl-d14 (S)	%.	101	27-124	07/25/16 15:15	

LABORATORY CONTROL SAMPLE: 1589765

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	mg/kg	.33	0.25	77	41-109	N2
2-Methylnaphthalene	mg/kg	.33	0.25	76	39-109	
Acenaphthene	mg/kg	.33	0.28	84	44-127	
Acenaphthylene	mg/kg	.33	0.27	80	43-128	
Anthracene	mg/kg	.33	0.29	88	49-131	
Benzo(a)anthracene	mg/kg	.33	0.32	95	52-128	
Benzo(a)pyrene	mg/kg	.33	0.26	77	54-141	
Benzo(b)fluoranthene	mg/kg	.33	0.25	75	50-146	
Benzo(g,h,i)perylene	mg/kg	.33	0.26	77	51-141	
Benzo(k)fluoranthene	mg/kg	.33	0.27	81	55-139	
Chrysene	mg/kg	.33	0.32	97	56-131	
Dibenz(a,h)anthracene	mg/kg	.33	0.25	74	53-142	
Fluoranthene	mg/kg	.33	0.30	89	51-139	
Fluorene	mg/kg	.33	0.28	85	45-131	
Indeno(1,2,3-cd)pyrene	mg/kg	.33	0.25	74	51-141	
Naphthalene	mg/kg	.33	0.25	76	43-112	

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QUALITY CONTROL DATA

Project: LAKEVILLE
Pace Project No.: 50149912

LABORATORY CONTROL SAMPLE: 1589765

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenanthrene	mg/kg	.33	0.30	91	47-132	
Pyrene	mg/kg	.33	0.33	99	55-130	
2-Fluorobiphenyl (S)	%.			76	25-121	
p-Terphenyl-d14 (S)	%.			87	27-124	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1589766 1589767

Parameter	Units	50149912002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1-Methylnaphthalene	mg/kg	ND	.4	.4	0.29	0.30	72	75	17-118	4	20	N2
2-Methylnaphthalene	mg/kg	ND	.4	.4	0.28	0.29	70	72	15-118	3	20	
Acenaphthene	mg/kg	ND	.4	.4	0.32	0.32	78	78	21-125	1	20	
Acenaphthylene	mg/kg	ND	.4	.4	0.31	0.32	77	79	21-126	2	20	
Anthracene	mg/kg	ND	.4	.4	0.33	0.31	83	76	15-134	9	20	
Benzo(a)anthracene	mg/kg	ND	.4	.4	0.38	0.35	93	86	14-129	8	20	
Benzo(a)pyrene	mg/kg	ND	.4	.4	0.27	0.25	67	63	10-146	8	20	
Benzo(b)fluoranthene	mg/kg	ND	.4	.4	0.29	0.25	71	62	10-146	14	20	
Benzo(g,h,i)perylene	mg/kg	ND	.4	.4	0.28	0.26	68	63	10-142	7	20	
Benzo(k)fluoranthene	mg/kg	ND	.4	.4	0.28	0.29	70	71	10-147	1	20	
Chrysene	mg/kg	ND	.4	.4	0.34	0.32	84	80	11-140	5	20	
Dibenz(a,h)anthracene	mg/kg	ND	.4	.4	0.27	0.26	67	65	16-136	4	20	
Fluoranthene	mg/kg	ND	.4	.4	0.35	0.33	86	80	10-146	7	20	
Fluorene	mg/kg	ND	.4	.4	0.33	0.33	81	82	20-131	1	20	
Indeno(1,2,3-cd)pyrene	mg/kg	ND	.4	.4	0.27	0.25	67	62	10-146	8	20	
Naphthalene	mg/kg	ND	.4	.4	0.30	0.30	73	74	15-126	0	20	
Phenanthrene	mg/kg	ND	.4	.4	0.34	0.32	83	80	10-148	4	20	
Pyrene	mg/kg	ND	.4	.4	0.34	0.32	84	79	14-136	6	20	
2-Fluorobiphenyl (S)	%.						70	77	25-121			
p-Terphenyl-d14 (S)	%.						74	75	27-124			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1589768 1589769

Parameter	Units	50150209023 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1-Methylnaphthalene	mg/kg	66.0 ug/kg	.4	.4	0.47	0.51	100	110	17-118	8	20	N2
2-Methylnaphthalene	mg/kg	82.9 ug/kg	.4	.4	0.50	0.54	103	113	15-118	9	20	
Acenaphthene	mg/kg	ND	.4	.4	0.34	0.36	85	88	21-125	3	20	
Acenaphthylene	mg/kg	ND	.4	.4	0.32	0.32	80	78	21-126	2	20	
Anthracene	mg/kg	ND	.4	.4	0.36	0.36	89	89	15-134	1	20	
Benzo(a)anthracene	mg/kg	23.2 ug/kg	.4	.4	0.40	0.43	93	101	14-129	9	20	
Benzo(a)pyrene	mg/kg	ND	.4	.4	0.28	0.32	70	78	10-146	11	20	
Benzo(b)fluoranthene	mg/kg	ND	.4	.4	0.27	0.33	68	81	10-146	18	20	
Benzo(g,h,i)perylene	mg/kg	ND	.4	.4	0.29	0.30	71	73	10-142	3	20	
Benzo(k)fluoranthene	mg/kg	ND	.4	.4	0.31	0.29	77	72	10-147	7	20	

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QUALITY CONTROL DATA

Project: LAKEVILLE
Pace Project No.: 50149912

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1589768 1589769

Parameter	Units	50150209023 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chrysene	mg/kg	20.7 ug/kg	.4	.4	0.37	0.40	86	93	11-140	8	20	
Dibenz(a,h)anthracene	mg/kg	ND	.4	.4	0.28	0.27	69	67	16-136	3	20	
Fluoranthene	mg/kg	27.1 ug/kg	.4	.4	0.37	0.42	84	96	10-146	13	20	
Fluorene	mg/kg	ND	.4	.4	0.36	0.39	89	97	20-131	9	20	
Indeno(1,2,3-cd)pyrene	mg/kg	ND	.4	.4	0.28	0.28	68	69	10-146	2	20	
Naphthalene	mg/kg	36.9 ug/kg	.4	.4	0.34	0.35	76	78	15-126	3	20	
Phenanthrene	mg/kg	38.8 ug/kg	.4	.4	0.41	0.44	91	100	10-148	9	20	
Pyrene	mg/kg	28.8 ug/kg	.4	.4	0.41	0.46	95	107	14-136	11	20	
2-Fluorobiphenyl (S)	%.						78	75	25-121			
p-Terphenyl-d14 (S)	%.						88	81	27-124			

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QUALITY CONTROL DATA

Project: LAKEVILLE
Pace Project No.: 50149912

QC Batch: 343778 Analysis Method: SM 2540G
QC Batch Method: SM 2540G Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 50149912001, 50149912002, 50149912003

SAMPLE DUPLICATE: 1591989

Parameter	Units	50149903002 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	5.7	5.3	7	5	R1

SAMPLE DUPLICATE: 1591990

Parameter	Units	50149912002 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	18.1	17.6	2	5	

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QUALITY CONTROL DATA

Project: LAKEVILLE
Pace Project No.: 50149912

QC Batch: 343967
QC Batch Method: SM 2540G
Analysis Method: SM 2540G
Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 50149912004

SAMPLE DUPLICATE: 1592520

Parameter	Units	50149912004 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	14.7	14.8	0	5	

SAMPLE DUPLICATE: 1592521

Parameter	Units	50150523001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	12.1	12.9	6	5	R1

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QUALIFIERS

Project: LAKEVILLE
Pace Project No.: 50149912

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

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.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

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 Calculable.

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

D4	Sample was diluted due to the presence of high levels of target analytes.
J	Analyte detected below reporting limit, therefore result is an estimate.
L0	Analyte recovery in the laboratory control sample (LCS) was outside QC 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: LAKEVILLE
Pace Project No.: 50149912

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50149912001	**LV-SB-1(012014)**	EPA 3050	342639	EPA 6010	343679
50149912002	**LV-SB-2(010012)**	EPA 3050	342639	EPA 6010	343679
50149912003	**LV-SB-3(010012)**	EPA 3050	342639	EPA 6010	343679
50149912004	**LV-FD-1**	EPA 3050	342639	EPA 6010	343679
50149912001	**LV-SB-1(012014)**	EPA 3546	343229	EPA 8270 by SIM	343387
50149912002	**LV-SB-2(010012)**	EPA 3546	343229	EPA 8270 by SIM	343387
50149912003	**LV-SB-3(010012)**	EPA 3546	343229	EPA 8270 by SIM	343387
50149912004	**LV-FD-1**	EPA 3546	343229	EPA 8270 by SIM	343387
50149912005	**TRIP BLANK**	EPA 8260	343833		
50149912001	**LV-SB-1(012014)**	EPA 8260	344221		
50149912002	**LV-SB-2(010012)**	EPA 8260	344431		
50149912003	**LV-SB-3(010012)**	EPA 8260	344221		
50149912004	**LV-FD-1**	EPA 8260	344221		
50149912001	**LV-SB-1(012014)**	SM 2540G	343778		
50149912002	**LV-SB-2(010012)**	SM 2540G	343778		
50149912003	**LV-SB-3(010012)**	SM 2540G	343778		
50149912004	**LV-FD-1**	SM 2540G	343967		

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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.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Heartland Environmental Assoc., Inc.	Report To:	Nivas Vijay	Attention:	Greg Waagfe
Address:	3410 Mishawaka Avenue	Copy To:		Company Name:	Ygnition
	South Bend, IN 46615			Address:	6737 W. Washington St #3440
Email To:	nvijay@heartlandenv.com	Purchase Order No.:		Pace Quote Reference:	Milwaukee, WI 53214
Phone:	574-289-1191 Fax:	Project Name:	LAKEVILLE	Pace Project Manager:	
Requested Due Date/TAT:	Standard	Project Number:		Pace Profile #:	

REGULATORY AGENCY

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

Site Location STATE:

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information — SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	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	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	VOCs 8260	PAHs 8270SIM	Lead 6010	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	LV-SB-1(012014)	SL	G			07/18/16	14:44		5	2						1	2		X	X	X		50149112 001
2	LV-SB-2(010012)	SL	G			07/18/16	15:22		5	2						1	2		X	X	X		002
3	LV-SB-2(010012) MS	SL	G			07/18/16	15:22		5	2						1	2		X	X	X		↓
4	LV-SB-2(010012) MSD	SL	G			07/18/16	15:22		5	2						1	2		X	X	X		↓
5	LV-SB-3(010012)	SL	G			07/18/16	16:12		5	2						1	2		X	X	X		003
6	LV-FD-1	SL	G			07/18/16	15:00		5	2						1	2		X	X	X		004
7	TRIP BLANK												2						X				005
8	TRIP BLANK															1			X				006
9																							
10																							
11																							
12																							

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp In °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	John Barnhart	7/18/16	18:00	Fed Ex. Kee 7-19-16						
	Heartland Environmental Assoc., Inc.									
	Fed Ex. Kee 7-19-16			Kacky Eck/Pace	7/19/16	0930	1.0	Y	Y	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: John R. Barnhart

SIGNATURE of SAMPLER: John R Barnhart — DATE Signed (MM/DD/YY): 7/18/16

*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.

Sample Condition Upon Receipt

Pace Analytical

Client Name: Heartland Env. Project # 80149912

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

Tracking #: 1836 0757 3852

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

Date/Time 5035A kits placed in freezer: 7-19-16 1115

Packing Material: ☑ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other _____

Thermometer: 1 2 3 4 5 6 (A) B C D E F

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

Cooler Temperature (Initial/Corrected): 1.0°C / 1.0°C

Ice Visible in Sample Containers: ☐ yes ☑ no

Temp should be above freezing to 6°C

Comments:

Date and Initials of person examining contents: VLD 7-19-16

Are samples from West Virginia? Document any containers out of temp.	☐Yes	☑No		1.
Chain of Custody Present:	☑Yes	☐No	☐N/A	2.
Chain of Custody Filled Out:	☑Yes	☐No	☐N/A	3.
Chain of Custody Relinquished:	☑Yes	☐No	☐N/A	4.
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A	5.
Short Hold Time Analysis (<72hr):	☑Yes	☐No	☐N/A	6. T.C. Kits
Rush Turn Around Time Requested:	☐Yes	☑No	☐N/A	7.
Containers Intact:	☑Yes	☐No	☐N/A	8.
Sample Labels match COC: -Includes date/time/ID/Analysis	☑Yes	☐No	☐N/A	9.
All containers needing acid/base pres. have been checked? exceptions: VOA, coliform, TOC, O&G	☐Yes	☐No	☑N/A	10 (Circle) HNO3 H2SO4 NaOH NaOH/ZnAc
All containers needing preservation are found to be in compliance with EPA recommendation (<2, >9, >12) unless otherwise noted.				
Residual Chlorine Check (SVOC 625 Pest/PCB 608)				11. Present Absent
Residual Chlorine Check (Total/Amenable/Free Cyanide)				12. Present Absent
Headspace in VOA Vials (>6mm):	☐Yes	☑No	☐N/A	13
Headspace Wisconsin Sulfide	☐Yes	☐No		14
Trip Blank Present:	☑Yes	☐No	☐N/A	15 2 VOA vials + 1 MeOH T.B.'s
Trip Blank Custody Seals Present	☐Yes	☑No	☐N/A	
Project Manager Review				
Samples Arrived within Hold Time:	☑Yes	☐No	☐N/A	15.
Sufficient Volume:	☑Yes	☐No	☐N/A	16.
Correct Containers Used:	☑Yes	☐No	☐N/A	17.

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution:

Project Manager Review: M M Bald **Date:** 7/21/16

Form F-IN-Q-290-rev.09, 13Oct2015

Sample Container Count

CLIENT: Heartland Env.

COC PAGE 1 of 1

COC ID# _____

Project # S0149912

Sample Line Item	DG9H	AG1U	WGFU	AG0U	R	4 / 6 BULK	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	BP3C	BP1U	SP5T	AG2U	pH <2	pH >9	pH>12
1			1			4															
2			↓			↓															
3			↓			↓															
4			↓			↓															
5			↓			↓															
6			↓			↓															
7	2																				
8						1															
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 glass	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	SP5T	120mL Coliform Na Thiosulfate
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 glass	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber glass	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 glass	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

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August 04, 2016

Nivas Vijay
Heartland
3410 Mishawaka Ave.
South Bend, IN 46615

RE: Project: 214 W. Patterson St. Lakeville
Pace Project No.: 50150125

Dear Nivas Vijay:
Enclosed are the analytical results for sample(s) received by the laboratory on July 21, 2016. 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,

Mick Mayse
mick.mayse@pacelabs.com
Project Manager

Enclosures

cc: Nivas Vijay, Heartland Environmental

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CERTIFICATIONS

Project: 214 W. Patterson St. Lakeville
Pace Project No.: 50150125

Indiana Certification IDs

7726 Moller Road, Indianapolis, IN 46268
Illinois Certification #: 200074
Indiana Certification #: C-49-06
Kansas/NELAP Certification #:E-10177
Kentucky UST Certification #: 0042
Kentucky WW Certification #:98019
Ohio VAP Certification #: CL-0065
Oklahoma Certification #: 2014-148
Texas Certification #: T104704355-15-9
West Virginia Certification #: 330
Wisconsin Certification #: 999788130
USDA Soil Permit #: P330-10-00128

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 214 W. Patterson St. Lakeville
Pace Project No.: 50150125

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50150125001	**LV-GW-SB-1**	Water	07/20/16 11:55	07/21/16 08:35
50150125002	**LV-GW-SB-2**	Water	07/20/16 10:05	07/21/16 08:35
50150125003	**LV-GW-SB-3**	Water	07/20/16 11:25	07/21/16 08:35
50150125004	**LV-GW-FD-1**	Water	07/20/16 10:50	07/21/16 08:35
50150125005	**LV-GW-ERB**	Water	07/20/16 12:35	07/21/16 08:35
50150125006	**Trip Blank**	Water	07/20/16 08:00	07/21/16 08:35

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SAMPLE ANALYTE COUNT

Project: 214 W. Patterson St. Lakeville
Pace Project No.: 50150125

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50150125001	**LV-GW-SB-1**	EPA 6010	MJC	1	PASI-I
		EPA 8270 by SIM LVE	TBP	20	PASI-I
		EPA 8260	ALA	75	PASI-I
50150125002	**LV-GW-SB-2**	EPA 6010	MJC	1	PASI-I
		EPA 8270 by SIM LVE	TBP	20	PASI-I
		EPA 8260	ALA	75	PASI-I
50150125003	**LV-GW-SB-3**	EPA 6010	MJC	1	PASI-I
		EPA 8270 by SIM LVE	TBP	20	PASI-I
		EPA 8260	ALA	75	PASI-I
50150125004	**LV-GW-FD-1**	EPA 6010	MJC	1	PASI-I
		EPA 8270 by SIM LVE	TBP	20	PASI-I
		EPA 8260	ALA	75	PASI-I
50150125005	**LV-GW-ERB**	EPA 6010	MJC	1	PASI-I
		EPA 8270 by SIM LVE	TBP	20	PASI-I
		EPA 8260	ALA	75	PASI-I
50150125006	**Trip Blank**	EPA 6010	MJC	1	PASI-I
		EPA 8270 by SIM LVE	TBP	20	PASI-I
		EPA 8260	ALA	75	PASI-I

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ANALYTICAL RESULTS

Project: 214 W. Patterson St. Lakeville
Pace Project No.: 50150125

Sample: LV-GW-SB-1 **Lab ID: 50150125001** Collected: 07/20/16 11:55 Received: 07/21/16 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Lead	**2730**	ug/L	50.0	1	07/26/16 07:08	07/27/16 09:47	7439-92-1	
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	07/21/16 20:35	07/22/16 16:56	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	07/21/16 20:35	07/22/16 16:56	208-96-8	
Anthracene	**0.19**	ug/L	0.10	1	07/21/16 20:35	07/22/16 16:56	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	07/21/16 20:35	07/22/16 16:56	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	07/21/16 20:35	07/22/16 16:56	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	07/21/16 20:35	07/22/16 16:56	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	07/21/16 20:35	07/22/16 16:56	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	07/21/16 20:35	07/22/16 16:56	207-08-9	
Chrysene	ND	ug/L	0.50	1	07/21/16 20:35	07/22/16 16:56	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	07/21/16 20:35	07/22/16 16:56	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	07/21/16 20:35	07/22/16 16:56	206-44-0	
Fluorene	ND	ug/L	1.0	1	07/21/16 20:35	07/22/16 16:56	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	07/21/16 20:35	07/22/16 16:56	193-39-5	
1-Methylnaphthalene	**30.1**	ug/L	1.0	1	07/21/16 20:35	07/22/16 16:56	90-12-0	N2
2-Methylnaphthalene	**48.7**	ug/L	1.0	1	07/21/16 20:35	07/22/16 16:56	91-57-6	
Naphthalene	**69.9**	ug/L	5.0	5	07/21/16 20:35	07/26/16 07:58	91-20-3	
Phenanthrene	**1.6**	ug/L	1.0	1	07/21/16 20:35	07/22/16 16:56	85-01-8	
Pyrene	ND	ug/L	1.0	1	07/21/16 20:35	07/22/16 16:56	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	42	%.	18-117	1	07/21/16 20:35	07/22/16 16:56	321-60-8	
p-Terphenyl-d14 (S)	54	%.	10-112	1	07/21/16 20:35	07/22/16 16:56	1718-51-0	
8260 MSV Indiana	Analytical Method: EPA 8260							
Acetone	ND	ug/L	500	5		08/02/16 14:30	67-64-1	
Acrolein	ND	ug/L	250	5		08/02/16 14:30	107-02-8	
Acrylonitrile	ND	ug/L	500	5		08/02/16 14:30	107-13-1	
Benzene	**118**	ug/L	25.0	5		08/02/16 14:30	71-43-2	
Bromobenzene	ND	ug/L	25.0	5		08/02/16 14:30	108-86-1	
Bromochloromethane	ND	ug/L	25.0	5		08/02/16 14:30	74-97-5	
Bromodichloromethane	ND	ug/L	25.0	5		08/02/16 14:30	75-27-4	
Bromoform	ND	ug/L	25.0	5		08/02/16 14:30	75-25-2	
Bromomethane	ND	ug/L	25.0	5		08/02/16 14:30	74-83-9	
2-Butanone (MEK)	ND	ug/L	125	5		08/02/16 14:30	78-93-3	
n-Butylbenzene	ND	ug/L	25.0	5		08/02/16 14:30	104-51-8	
sec-Butylbenzene	ND	ug/L	25.0	5		08/02/16 14:30	135-98-8	
tert-Butylbenzene	ND	ug/L	25.0	5		08/02/16 14:30	98-06-6	
Carbon disulfide	ND	ug/L	50.0	5		08/02/16 14:30	75-15-0	
Carbon tetrachloride	ND	ug/L	25.0	5		08/02/16 14:30	56-23-5	
Chlorobenzene	ND	ug/L	25.0	5		08/02/16 14:30	108-90-7	
Chloroethane	ND	ug/L	25.0	5		08/02/16 14:30	75-00-3	
Chloroform	ND	ug/L	25.0	5		08/02/16 14:30	67-66-3	
Chloromethane	ND	ug/L	25.0	5		08/02/16 14:30	74-87-3	
2-Chlorotoluene	ND	ug/L	25.0	5		08/02/16 14:30	95-49-8	

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ANALYTICAL RESULTS

Project: 214 W. Patterson St. Lakeville
Pace Project No.: 50150125

Sample: LV-GW-SB-1 **Lab ID: 50150125001** Collected: 07/20/16 11:55 Received: 07/21/16 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 8260							
4-Chlorotoluene	ND	ug/L	25.0	5		08/02/16 14:30	106-43-4	
Dibromochloromethane	ND	ug/L	25.0	5		08/02/16 14:30	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	25.0	5		08/02/16 14:30	106-93-4	
Dibromomethane	ND	ug/L	25.0	5		08/02/16 14:30	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	25.0	5		08/02/16 14:30	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	25.0	5		08/02/16 14:30	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	25.0	5		08/02/16 14:30	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	500	5		08/02/16 14:30	110-57-6	
Dichlorodifluoromethane	ND	ug/L	25.0	5		08/02/16 14:30	75-71-8	
1,1-Dichloroethane	ND	ug/L	25.0	5		08/02/16 14:30	75-34-3	
1,2-Dichloroethane	ND	ug/L	25.0	5		08/02/16 14:30	107-06-2	
1,1-Dichloroethene	ND	ug/L	25.0	5		08/02/16 14:30	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	25.0	5		08/02/16 14:30	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	25.0	5		08/02/16 14:30	156-60-5	
1,2-Dichloropropane	ND	ug/L	25.0	5		08/02/16 14:30	78-87-5	
1,3-Dichloropropane	ND	ug/L	25.0	5		08/02/16 14:30	142-28-9	
2,2-Dichloropropane	ND	ug/L	25.0	5		08/02/16 14:30	594-20-7	
1,1-Dichloropropene	ND	ug/L	25.0	5		08/02/16 14:30	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	25.0	5		08/02/16 14:30	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	25.0	5		08/02/16 14:30	10061-02-6	
Ethylbenzene	**769**	ug/L	25.0	5		08/02/16 14:30	100-41-4	
Ethyl methacrylate	ND	ug/L	500	5		08/02/16 14:30	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	25.0	5		08/02/16 14:30	87-68-3	
n-Hexane	**138**	ug/L	25.0	5		08/02/16 14:30	110-54-3	
2-Hexanone	ND	ug/L	125	5		08/02/16 14:30	591-78-6	
Iodomethane	ND	ug/L	50.0	5		08/02/16 14:30	74-88-4	
Isopropylbenzene (Cumene)	**49.8**	ug/L	25.0	5		08/02/16 14:30	98-82-8	
p-Isopropyltoluene	ND	ug/L	25.0	5		08/02/16 14:30	99-87-6	
Methylene Chloride	ND	ug/L	25.0	5		08/02/16 14:30	75-09-2	
1-Methylnaphthalene	**132**	ug/L	25.0	5		08/02/16 14:30	90-12-0	N2
2-Methylnaphthalene	**219**	ug/L	50.0	5		08/02/16 14:30	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	125	5		08/02/16 14:30	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	20.0	5		08/02/16 14:30	1634-04-4	
Naphthalene	**327**	ug/L	8.5	5		08/02/16 14:30	91-20-3	
n-Propylbenzene	**145**	ug/L	25.0	5		08/02/16 14:30	103-65-1	
Styrene	ND	ug/L	25.0	5		08/02/16 14:30	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	25.0	5		08/02/16 14:30	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	25.0	5		08/02/16 14:30	79-34-5	
Tetrachloroethene	ND	ug/L	25.0	5		08/02/16 14:30	127-18-4	
Toluene	ND	ug/L	25.0	5		08/02/16 14:30	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	25.0	5		08/02/16 14:30	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	25.0	5		08/02/16 14:30	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	25.0	5		08/02/16 14:30	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	25.0	5		08/02/16 14:30	79-00-5	
Trichloroethene	ND	ug/L	25.0	5		08/02/16 14:30	79-01-6	
Trichlorofluoromethane	ND	ug/L	25.0	5		08/02/16 14:30	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	25.0	5		08/02/16 14:30	96-18-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 214 W. Patterson St. Lakeville
Pace Project No.: 50150125

Sample: LV-GW-SB-1 **Lab ID: 50150125001** Collected: 07/20/16 11:55 Received: 07/21/16 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 8260							
1,2,4-Trimethylbenzene	**1050**	ug/L	25.0	5		08/02/16 14:30	95-63-6	
1,3,5-Trimethylbenzene	**338**	ug/L	25.0	5		08/02/16 14:30	108-67-8	
Vinyl acetate	ND	ug/L	250	5		08/02/16 14:30	108-05-4	
Vinyl chloride	ND	ug/L	10.0	5		08/02/16 14:30	75-01-4	
Xylene (Total)	**1920**	ug/L	50.0	5		08/02/16 14:30	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101	%.	84-118	5		08/02/16 14:30	1868-53-7	D4
4-Bromofluorobenzene (S)	99	%.	79-116	5		08/02/16 14:30	460-00-4	
Toluene-d8 (S)	99	%.	86-110	5		08/02/16 14:30	2037-26-5	

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ANALYTICAL RESULTS

Project: 214 W. Patterson St. Lakeville
Pace Project No.: 50150125

Sample: LV-GW-SB-2 **Lab ID: 50150125002** Collected: 07/20/16 10:05 Received: 07/21/16 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Lead	**217**	ug/L	10.0	1	07/26/16 07:08	07/27/16 09:49	7439-92-1	
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	07/21/16 20:35	07/22/16 17:09	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	07/21/16 20:35	07/22/16 17:09	208-96-8	
Anthracene	ND	ug/L	0.10	1	07/21/16 20:35	07/22/16 17:09	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	07/21/16 20:35	07/22/16 17:09	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	07/21/16 20:35	07/22/16 17:09	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	07/21/16 20:35	07/22/16 17:09	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	07/21/16 20:35	07/22/16 17:09	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	07/21/16 20:35	07/22/16 17:09	207-08-9	
Chrysene	ND	ug/L	0.50	1	07/21/16 20:35	07/22/16 17:09	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	07/21/16 20:35	07/22/16 17:09	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	07/21/16 20:35	07/22/16 17:09	206-44-0	
Fluorene	ND	ug/L	1.0	1	07/21/16 20:35	07/22/16 17:09	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	07/21/16 20:35	07/22/16 17:09	193-39-5	
1-Methylnaphthalene	ND	ug/L	1.0	1	07/21/16 20:35	07/22/16 17:09	90-12-0	N2
2-Methylnaphthalene	ND	ug/L	1.0	1	07/21/16 20:35	07/22/16 17:09	91-57-6	
Naphthalene	ND	ug/L	1.0	1	07/21/16 20:35	07/22/16 17:09	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	07/21/16 20:35	07/22/16 17:09	85-01-8	
Pyrene	ND	ug/L	1.0	1	07/21/16 20:35	07/22/16 17:09	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	47	%.	18-117	1	07/21/16 20:35	07/22/16 17:09	321-60-8	
p-Terphenyl-d14 (S)	46	%.	10-112	1	07/21/16 20:35	07/22/16 17:09	1718-51-0	
8260 MSV Indiana	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		08/01/16 22:44	67-64-1	
Acrolein	ND	ug/L	50.0	1		08/01/16 22:44	107-02-8	
Acrylonitrile	ND	ug/L	100	1		08/01/16 22:44	107-13-1	
Benzene	ND	ug/L	5.0	1		08/01/16 22:44	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		08/01/16 22:44	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		08/01/16 22:44	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		08/01/16 22:44	75-27-4	
Bromoform	ND	ug/L	5.0	1		08/01/16 22:44	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/01/16 22:44	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		08/01/16 22:44	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		08/01/16 22:44	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		08/01/16 22:44	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		08/01/16 22:44	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		08/01/16 22:44	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		08/01/16 22:44	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		08/01/16 22:44	108-90-7	
Chloroethane	ND	ug/L	5.0	1		08/01/16 22:44	75-00-3	
Chloroform	ND	ug/L	5.0	1		08/01/16 22:44	67-66-3	
Chloromethane	ND	ug/L	5.0	1		08/01/16 22:44	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		08/01/16 22:44	95-49-8	

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ANALYTICAL RESULTS

Project: 214 W. Patterson St. Lakeville
Pace Project No.: 50150125

Sample: LV-GW-SB-2 **Lab ID: 50150125002** Collected: 07/20/16 10:05 Received: 07/21/16 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 8260							
4-Chlorotoluene	ND	ug/L	5.0	1		08/01/16 22:44	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		08/01/16 22:44	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		08/01/16 22:44	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		08/01/16 22:44	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		08/01/16 22:44	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		08/01/16 22:44	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		08/01/16 22:44	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		08/01/16 22:44	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		08/01/16 22:44	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		08/01/16 22:44	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/01/16 22:44	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/01/16 22:44	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		08/01/16 22:44	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		08/01/16 22:44	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		08/01/16 22:44	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		08/01/16 22:44	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		08/01/16 22:44	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		08/01/16 22:44	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		08/01/16 22:44	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		08/01/16 22:44	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		08/01/16 22:44	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		08/01/16 22:44	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		08/01/16 22:44	87-68-3	
n-Hexane	ND	ug/L	5.0	1		08/01/16 22:44	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		08/01/16 22:44	591-78-6	
Iodomethane	ND	ug/L	10.0	1		08/01/16 22:44	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		08/01/16 22:44	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		08/01/16 22:44	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		08/01/16 22:44	75-09-2	
1-Methylnaphthalene	ND	ug/L	5.0	1		08/01/16 22:44	90-12-0	N2
2-Methylnaphthalene	ND	ug/L	10.0	1		08/01/16 22:44	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		08/01/16 22:44	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		08/01/16 22:44	1634-04-4	
Naphthalene	ND	ug/L	1.7	1		08/01/16 22:44	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		08/01/16 22:44	103-65-1	
Styrene	ND	ug/L	5.0	1		08/01/16 22:44	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		08/01/16 22:44	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		08/01/16 22:44	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		08/01/16 22:44	127-18-4	
Toluene	ND	ug/L	5.0	1		08/01/16 22:44	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		08/01/16 22:44	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		08/01/16 22:44	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/01/16 22:44	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		08/01/16 22:44	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		08/01/16 22:44	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		08/01/16 22:44	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		08/01/16 22:44	96-18-4	

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ANALYTICAL RESULTS

Project: 214 W. Patterson St. Lakeville
Pace Project No.: 50150125

Sample: LV-GW-SB-2 **Lab ID: 50150125002** Collected: 07/20/16 10:05 Received: 07/21/16 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 8260							
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		08/01/16 22:44	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		08/01/16 22:44	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		08/01/16 22:44	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		08/01/16 22:44	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/01/16 22:44	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	117	%.	84-118	1		08/01/16 22:44	1868-53-7	
4-Bromofluorobenzene (S)	107	%.	79-116	1		08/01/16 22:44	460-00-4	
Toluene-d8 (S)	92	%.	86-110	1		08/01/16 22:44	2037-26-5	

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ANALYTICAL RESULTS

Project: 214 W. Patterson St. Lakeville
Pace Project No.: 50150125

Sample: LV-GW-SB-3 **Lab ID: 50150125003** Collected: 07/20/16 11:25 Received: 07/21/16 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Lead	**2970**	ug/L	50.0	1	07/26/16 07:08	07/27/16 09:51	7439-92-1	
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	07/21/16 20:35	07/22/16 17:23	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	07/21/16 20:35	07/22/16 17:23	208-96-8	
Anthracene	ND	ug/L	0.10	1	07/21/16 20:35	07/22/16 17:23	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	07/21/16 20:35	07/22/16 17:23	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	07/21/16 20:35	07/22/16 17:23	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	07/21/16 20:35	07/22/16 17:23	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	07/21/16 20:35	07/22/16 17:23	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	07/21/16 20:35	07/22/16 17:23	207-08-9	
Chrysene	ND	ug/L	0.50	1	07/21/16 20:35	07/22/16 17:23	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	07/21/16 20:35	07/22/16 17:23	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	07/21/16 20:35	07/22/16 17:23	206-44-0	
Fluorene	ND	ug/L	1.0	1	07/21/16 20:35	07/22/16 17:23	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	07/21/16 20:35	07/22/16 17:23	193-39-5	
1-Methylnaphthalene	ND	ug/L	1.0	1	07/21/16 20:35	07/22/16 17:23	90-12-0	N2
2-Methylnaphthalene	ND	ug/L	1.0	1	07/21/16 20:35	07/22/16 17:23	91-57-6	
Naphthalene	ND	ug/L	1.0	1	07/21/16 20:35	07/22/16 17:23	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	07/21/16 20:35	07/22/16 17:23	85-01-8	
Pyrene	ND	ug/L	1.0	1	07/21/16 20:35	07/22/16 17:23	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	48	%.	18-117	1	07/21/16 20:35	07/22/16 17:23	321-60-8	
p-Terphenyl-d14 (S)	48	%.	10-112	1	07/21/16 20:35	07/22/16 17:23	1718-51-0	
8260 MSV Indiana	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		08/02/16 15:45	67-64-1	
Acrolein	ND	ug/L	50.0	1		08/02/16 15:45	107-02-8	
Acrylonitrile	ND	ug/L	100	1		08/02/16 15:45	107-13-1	
Benzene	ND	ug/L	5.0	1		08/02/16 15:45	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		08/02/16 15:45	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		08/02/16 15:45	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		08/02/16 15:45	75-27-4	
Bromoform	ND	ug/L	5.0	1		08/02/16 15:45	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/02/16 15:45	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		08/02/16 15:45	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		08/02/16 15:45	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		08/02/16 15:45	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		08/02/16 15:45	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		08/02/16 15:45	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		08/02/16 15:45	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		08/02/16 15:45	108-90-7	
Chloroethane	ND	ug/L	5.0	1		08/02/16 15:45	75-00-3	
Chloroform	ND	ug/L	5.0	1		08/02/16 15:45	67-66-3	
Chloromethane	ND	ug/L	5.0	1		08/02/16 15:45	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		08/02/16 15:45	95-49-8	

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ANALYTICAL RESULTS

Project: 214 W. Patterson St. Lakeville
Pace Project No.: 50150125

Sample: LV-GW-SB-3 **Lab ID: 50150125003** Collected: 07/20/16 11:25 Received: 07/21/16 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 8260							
4-Chlorotoluene	ND	ug/L	5.0	1		08/02/16 15:45	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		08/02/16 15:45	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		08/02/16 15:45	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		08/02/16 15:45	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		08/02/16 15:45	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		08/02/16 15:45	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		08/02/16 15:45	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		08/02/16 15:45	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		08/02/16 15:45	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		08/02/16 15:45	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/02/16 15:45	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/02/16 15:45	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		08/02/16 15:45	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		08/02/16 15:45	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		08/02/16 15:45	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		08/02/16 15:45	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		08/02/16 15:45	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		08/02/16 15:45	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		08/02/16 15:45	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		08/02/16 15:45	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		08/02/16 15:45	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		08/02/16 15:45	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		08/02/16 15:45	87-68-3	
n-Hexane	ND	ug/L	5.0	1		08/02/16 15:45	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		08/02/16 15:45	591-78-6	
Iodomethane	ND	ug/L	10.0	1		08/02/16 15:45	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		08/02/16 15:45	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		08/02/16 15:45	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		08/02/16 15:45	75-09-2	
1-Methylnaphthalene	ND	ug/L	5.0	1		08/02/16 15:45	90-12-0	N2
2-Methylnaphthalene	ND	ug/L	10.0	1		08/02/16 15:45	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		08/02/16 15:45	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		08/02/16 15:45	1634-04-4	
Naphthalene	ND	ug/L	1.7	1		08/02/16 15:45	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		08/02/16 15:45	103-65-1	
Styrene	ND	ug/L	5.0	1		08/02/16 15:45	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		08/02/16 15:45	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		08/02/16 15:45	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		08/02/16 15:45	127-18-4	
Toluene	ND	ug/L	5.0	1		08/02/16 15:45	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		08/02/16 15:45	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		08/02/16 15:45	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/02/16 15:45	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		08/02/16 15:45	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		08/02/16 15:45	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		08/02/16 15:45	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		08/02/16 15:45	96-18-4	

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ANALYTICAL RESULTS

Project: 214 W. Patterson St. Lakeville
Pace Project No.: 50150125

Sample: LV-GW-SB-3 **Lab ID: 50150125003** Collected: 07/20/16 11:25 Received: 07/21/16 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 8260							
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		08/02/16 15:45	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		08/02/16 15:45	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		08/02/16 15:45	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		08/02/16 15:45	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/02/16 15:45	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	104	%.	84-118	1		08/02/16 15:45	1868-53-7	
4-Bromofluorobenzene (S)	101	%.	79-116	1		08/02/16 15:45	460-00-4	
Toluene-d8 (S)	97	%.	86-110	1		08/02/16 15:45	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 214 W. Patterson St. Lakeville
Pace Project No.: 50150125

Sample: LV-GW-FD-1 **Lab ID: 50150125004** Collected: 07/20/16 10:50 Received: 07/21/16 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Lead	**15.6**	ug/L	10.0	1	07/26/16 07:08	07/27/16 09:54	7439-92-1	
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	07/21/16 20:35	07/22/16 17:36	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	07/21/16 20:35	07/22/16 17:36	208-96-8	
Anthracene	ND	ug/L	0.10	1	07/21/16 20:35	07/22/16 17:36	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	07/21/16 20:35	07/22/16 17:36	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	07/21/16 20:35	07/22/16 17:36	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	07/21/16 20:35	07/22/16 17:36	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	07/21/16 20:35	07/22/16 17:36	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	07/21/16 20:35	07/22/16 17:36	207-08-9	
Chrysene	ND	ug/L	0.50	1	07/21/16 20:35	07/22/16 17:36	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	07/21/16 20:35	07/22/16 17:36	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	07/21/16 20:35	07/22/16 17:36	206-44-0	
Fluorene	ND	ug/L	1.0	1	07/21/16 20:35	07/22/16 17:36	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	07/21/16 20:35	07/22/16 17:36	193-39-5	
1-Methylnaphthalene	ND	ug/L	1.0	1	07/21/16 20:35	07/22/16 17:36	90-12-0	N2
2-Methylnaphthalene	ND	ug/L	1.0	1	07/21/16 20:35	07/22/16 17:36	91-57-6	
Naphthalene	ND	ug/L	1.0	1	07/21/16 20:35	07/22/16 17:36	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	07/21/16 20:35	07/22/16 17:36	85-01-8	
Pyrene	ND	ug/L	1.0	1	07/21/16 20:35	07/22/16 17:36	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	31	%.	18-117	1	07/21/16 20:35	07/22/16 17:36	321-60-8	
p-Terphenyl-d14 (S)	28	%.	10-112	1	07/21/16 20:35	07/22/16 17:36	1718-51-0	
8260 MSV Indiana	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		08/02/16 16:23	67-64-1	
Acrolein	ND	ug/L	50.0	1		08/02/16 16:23	107-02-8	
Acrylonitrile	ND	ug/L	100	1		08/02/16 16:23	107-13-1	R1
Benzene	ND	ug/L	5.0	1		08/02/16 16:23	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		08/02/16 16:23	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		08/02/16 16:23	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		08/02/16 16:23	75-27-4	
Bromoform	ND	ug/L	5.0	1		08/02/16 16:23	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/02/16 16:23	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		08/02/16 16:23	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		08/02/16 16:23	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		08/02/16 16:23	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		08/02/16 16:23	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		08/02/16 16:23	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		08/02/16 16:23	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		08/02/16 16:23	108-90-7	
Chloroethane	ND	ug/L	5.0	1		08/02/16 16:23	75-00-3	
Chloroform	ND	ug/L	5.0	1		08/02/16 16:23	67-66-3	
Chloromethane	ND	ug/L	5.0	1		08/02/16 16:23	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		08/02/16 16:23	95-49-8	

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ANALYTICAL RESULTS

Project: 214 W. Patterson St. Lakeville
Pace Project No.: 50150125

Sample: LV-GW-FD-1 **Lab ID: 50150125004** Collected: 07/20/16 10:50 Received: 07/21/16 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 8260							
4-Chlorotoluene	ND	ug/L	5.0	1		08/02/16 16:23	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		08/02/16 16:23	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		08/02/16 16:23	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		08/02/16 16:23	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		08/02/16 16:23	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		08/02/16 16:23	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		08/02/16 16:23	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		08/02/16 16:23	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		08/02/16 16:23	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		08/02/16 16:23	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/02/16 16:23	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/02/16 16:23	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		08/02/16 16:23	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		08/02/16 16:23	156-60-5	R1
1,2-Dichloropropane	ND	ug/L	5.0	1		08/02/16 16:23	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		08/02/16 16:23	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		08/02/16 16:23	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		08/02/16 16:23	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		08/02/16 16:23	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		08/02/16 16:23	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		08/02/16 16:23	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		08/02/16 16:23	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		08/02/16 16:23	87-68-3	
n-Hexane	ND	ug/L	5.0	1		08/02/16 16:23	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		08/02/16 16:23	591-78-6	
Iodomethane	ND	ug/L	10.0	1		08/02/16 16:23	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		08/02/16 16:23	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		08/02/16 16:23	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		08/02/16 16:23	75-09-2	
1-Methylnaphthalene	ND	ug/L	5.0	1		08/02/16 16:23	90-12-0	N2
2-Methylnaphthalene	ND	ug/L	10.0	1		08/02/16 16:23	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		08/02/16 16:23	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		08/02/16 16:23	1634-04-4	R1
Naphthalene	ND	ug/L	1.7	1		08/02/16 16:23	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		08/02/16 16:23	103-65-1	
Styrene	ND	ug/L	5.0	1		08/02/16 16:23	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		08/02/16 16:23	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		08/02/16 16:23	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		08/02/16 16:23	127-18-4	
Toluene	ND	ug/L	5.0	1		08/02/16 16:23	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		08/02/16 16:23	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		08/02/16 16:23	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/02/16 16:23	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		08/02/16 16:23	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		08/02/16 16:23	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		08/02/16 16:23	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		08/02/16 16:23	96-18-4	

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ANALYTICAL RESULTS

Project: 214 W. Patterson St. Lakeville
Pace Project No.: 50150125

Sample: LV-GW-FD-1 **Lab ID: 50150125004** Collected: 07/20/16 10:50 Received: 07/21/16 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 8260							
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		08/02/16 16:23	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		08/02/16 16:23	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		08/02/16 16:23	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		08/02/16 16:23	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/02/16 16:23	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	104	%.	84-118	1		08/02/16 16:23	1868-53-7	
4-Bromofluorobenzene (S)	103	%.	79-116	1		08/02/16 16:23	460-00-4	
Toluene-d8 (S)	95	%.	86-110	1		08/02/16 16:23	2037-26-5	

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ANALYTICAL RESULTS

Project: 214 W. Patterson St. Lakeville
Pace Project No.: 50150125

Sample: LV-GW-ERB **Lab ID: 50150125005** Collected: 07/20/16 12:35 Received: 07/21/16 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Lead	ND	ug/L	10.0	1	07/26/16 07:08	07/27/16 10:53	7439-92-1	
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	07/21/16 20:35	07/22/16 18:16	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	07/21/16 20:35	07/22/16 18:16	208-96-8	
Anthracene	ND	ug/L	0.10	1	07/21/16 20:35	07/22/16 18:16	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	07/21/16 20:35	07/22/16 18:16	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	07/21/16 20:35	07/22/16 18:16	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	07/21/16 20:35	07/22/16 18:16	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	07/21/16 20:35	07/22/16 18:16	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	07/21/16 20:35	07/22/16 18:16	207-08-9	
Chrysene	ND	ug/L	0.50	1	07/21/16 20:35	07/22/16 18:16	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	07/21/16 20:35	07/22/16 18:16	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	07/21/16 20:35	07/22/16 18:16	206-44-0	
Fluorene	ND	ug/L	1.0	1	07/21/16 20:35	07/22/16 18:16	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	07/21/16 20:35	07/22/16 18:16	193-39-5	
1-Methylnaphthalene	ND	ug/L	1.0	1	07/21/16 20:35	07/22/16 18:16	90-12-0	N2
2-Methylnaphthalene	ND	ug/L	1.0	1	07/21/16 20:35	07/22/16 18:16	91-57-6	
Naphthalene	ND	ug/L	1.0	1	07/21/16 20:35	07/22/16 18:16	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	07/21/16 20:35	07/22/16 18:16	85-01-8	
Pyrene	ND	ug/L	1.0	1	07/21/16 20:35	07/22/16 18:16	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	39	%.	18-117	1	07/21/16 20:35	07/22/16 18:16	321-60-8	
p-Terphenyl-d14 (S)	41	%.	10-112	1	07/21/16 20:35	07/22/16 18:16	1718-51-0	
8260 MSV Indiana	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		08/02/16 18:16	67-64-1	
Acrolein	ND	ug/L	50.0	1		08/02/16 18:16	107-02-8	
Acrylonitrile	ND	ug/L	100	1		08/02/16 18:16	107-13-1	
Benzene	ND	ug/L	5.0	1		08/02/16 18:16	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		08/02/16 18:16	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		08/02/16 18:16	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		08/02/16 18:16	75-27-4	
Bromoform	ND	ug/L	5.0	1		08/02/16 18:16	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/02/16 18:16	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		08/02/16 18:16	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		08/02/16 18:16	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		08/02/16 18:16	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		08/02/16 18:16	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		08/02/16 18:16	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		08/02/16 18:16	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		08/02/16 18:16	108-90-7	
Chloroethane	ND	ug/L	5.0	1		08/02/16 18:16	75-00-3	
Chloroform	ND	ug/L	5.0	1		08/02/16 18:16	67-66-3	
Chloromethane	ND	ug/L	5.0	1		08/02/16 18:16	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		08/02/16 18:16	95-49-8	

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ANALYTICAL RESULTS

Project: 214 W. Patterson St. Lakeville
Pace Project No.: 50150125

Sample: LV-GW-ERB **Lab ID: 50150125005** Collected: 07/20/16 12:35 Received: 07/21/16 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 8260							
4-Chlorotoluene	ND	ug/L	5.0	1		08/02/16 18:16	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		08/02/16 18:16	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		08/02/16 18:16	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		08/02/16 18:16	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		08/02/16 18:16	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		08/02/16 18:16	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		08/02/16 18:16	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		08/02/16 18:16	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		08/02/16 18:16	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		08/02/16 18:16	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/02/16 18:16	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/02/16 18:16	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		08/02/16 18:16	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		08/02/16 18:16	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		08/02/16 18:16	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		08/02/16 18:16	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		08/02/16 18:16	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		08/02/16 18:16	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		08/02/16 18:16	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		08/02/16 18:16	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		08/02/16 18:16	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		08/02/16 18:16	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		08/02/16 18:16	87-68-3	
n-Hexane	ND	ug/L	5.0	1		08/02/16 18:16	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		08/02/16 18:16	591-78-6	
Iodomethane	ND	ug/L	10.0	1		08/02/16 18:16	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		08/02/16 18:16	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		08/02/16 18:16	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		08/02/16 18:16	75-09-2	
1-Methylnaphthalene	ND	ug/L	5.0	1		08/02/16 18:16	90-12-0	N2
2-Methylnaphthalene	ND	ug/L	10.0	1		08/02/16 18:16	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		08/02/16 18:16	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		08/02/16 18:16	1634-04-4	
Naphthalene	ND	ug/L	1.7	1		08/02/16 18:16	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		08/02/16 18:16	103-65-1	
Styrene	ND	ug/L	5.0	1		08/02/16 18:16	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		08/02/16 18:16	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		08/02/16 18:16	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		08/02/16 18:16	127-18-4	
Toluene	ND	ug/L	5.0	1		08/02/16 18:16	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		08/02/16 18:16	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		08/02/16 18:16	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/02/16 18:16	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		08/02/16 18:16	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		08/02/16 18:16	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		08/02/16 18:16	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		08/02/16 18:16	96-18-4	

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ANALYTICAL RESULTS

Project: 214 W. Patterson St. Lakeville
Pace Project No.: 50150125

Sample: LV-GW-ERB **Lab ID: 50150125005** Collected: 07/20/16 12:35 Received: 07/21/16 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 8260							
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		08/02/16 18:16	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		08/02/16 18:16	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		08/02/16 18:16	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		08/02/16 18:16	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/02/16 18:16	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	103	%.	84-118	1		08/02/16 18:16	1868-53-7	
4-Bromofluorobenzene (S)	101	%.	79-116	1		08/02/16 18:16	460-00-4	
Toluene-d8 (S)	96	%.	86-110	1		08/02/16 18:16	2037-26-5	

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ANALYTICAL RESULTS

Project: 214 W. Patterson St. Lakeville
Pace Project No.: 50150125

Sample: Trip Blank **Lab ID: 50150125006** Collected: 07/20/16 08:00 Received: 07/21/16 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Lead	ND	ug/L	10.0	1	07/26/16 07:08	07/27/16 10:55	7439-92-1	
8270 MSSV PAHLV	Analytical Method: EPA 8270 by SIM LVE Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	07/21/16 20:35	07/22/16 18:29	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	07/21/16 20:35	07/22/16 18:29	208-96-8	
Anthracene	ND	ug/L	0.10	1	07/21/16 20:35	07/22/16 18:29	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	07/21/16 20:35	07/22/16 18:29	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	07/21/16 20:35	07/22/16 18:29	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	07/21/16 20:35	07/22/16 18:29	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	07/21/16 20:35	07/22/16 18:29	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	07/21/16 20:35	07/22/16 18:29	207-08-9	
Chrysene	ND	ug/L	0.50	1	07/21/16 20:35	07/22/16 18:29	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	07/21/16 20:35	07/22/16 18:29	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	07/21/16 20:35	07/22/16 18:29	206-44-0	
Fluorene	ND	ug/L	1.0	1	07/21/16 20:35	07/22/16 18:29	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	07/21/16 20:35	07/22/16 18:29	193-39-5	
1-Methylnaphthalene	ND	ug/L	1.0	1	07/21/16 20:35	07/22/16 18:29	90-12-0	N2
2-Methylnaphthalene	ND	ug/L	1.0	1	07/21/16 20:35	07/22/16 18:29	91-57-6	
Naphthalene	ND	ug/L	1.0	1	07/21/16 20:35	07/22/16 18:29	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	07/21/16 20:35	07/22/16 18:29	85-01-8	
Pyrene	ND	ug/L	1.0	1	07/21/16 20:35	07/22/16 18:29	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	40	%.	18-117	1	07/21/16 20:35	07/22/16 18:29	321-60-8	
p-Terphenyl-d14 (S)	42	%.	10-112	1	07/21/16 20:35	07/22/16 18:29	1718-51-0	
8260 MSV Indiana	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		08/02/16 18:54	67-64-1	
Acrolein	ND	ug/L	50.0	1		08/02/16 18:54	107-02-8	
Acrylonitrile	ND	ug/L	100	1		08/02/16 18:54	107-13-1	
Benzene	ND	ug/L	5.0	1		08/02/16 18:54	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		08/02/16 18:54	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		08/02/16 18:54	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		08/02/16 18:54	75-27-4	
Bromoform	ND	ug/L	5.0	1		08/02/16 18:54	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/02/16 18:54	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		08/02/16 18:54	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		08/02/16 18:54	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		08/02/16 18:54	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		08/02/16 18:54	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		08/02/16 18:54	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		08/02/16 18:54	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		08/02/16 18:54	108-90-7	
Chloroethane	ND	ug/L	5.0	1		08/02/16 18:54	75-00-3	
Chloroform	ND	ug/L	5.0	1		08/02/16 18:54	67-66-3	
Chloromethane	ND	ug/L	5.0	1		08/02/16 18:54	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		08/02/16 18:54	95-49-8	

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ANALYTICAL RESULTS

Project: 214 W. Patterson St. Lakeville
Pace Project No.: 50150125

Sample: Trip Blank **Lab ID: 50150125006** Collected: 07/20/16 08:00 Received: 07/21/16 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 8260							
4-Chlorotoluene	ND	ug/L	5.0	1		08/02/16 18:54	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		08/02/16 18:54	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		08/02/16 18:54	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		08/02/16 18:54	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		08/02/16 18:54	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		08/02/16 18:54	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		08/02/16 18:54	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		08/02/16 18:54	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		08/02/16 18:54	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		08/02/16 18:54	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/02/16 18:54	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/02/16 18:54	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		08/02/16 18:54	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		08/02/16 18:54	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		08/02/16 18:54	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		08/02/16 18:54	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		08/02/16 18:54	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		08/02/16 18:54	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		08/02/16 18:54	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		08/02/16 18:54	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		08/02/16 18:54	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		08/02/16 18:54	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		08/02/16 18:54	87-68-3	
n-Hexane	ND	ug/L	5.0	1		08/02/16 18:54	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		08/02/16 18:54	591-78-6	
Iodomethane	ND	ug/L	10.0	1		08/02/16 18:54	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		08/02/16 18:54	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		08/02/16 18:54	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		08/02/16 18:54	75-09-2	
1-Methylnaphthalene	ND	ug/L	5.0	1		08/02/16 18:54	90-12-0	N2
2-Methylnaphthalene	ND	ug/L	10.0	1		08/02/16 18:54	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		08/02/16 18:54	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		08/02/16 18:54	1634-04-4	
Naphthalene	ND	ug/L	1.7	1		08/02/16 18:54	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		08/02/16 18:54	103-65-1	
Styrene	ND	ug/L	5.0	1		08/02/16 18:54	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		08/02/16 18:54	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		08/02/16 18:54	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		08/02/16 18:54	127-18-4	
Toluene	ND	ug/L	5.0	1		08/02/16 18:54	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		08/02/16 18:54	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		08/02/16 18:54	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/02/16 18:54	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		08/02/16 18:54	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		08/02/16 18:54	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		08/02/16 18:54	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		08/02/16 18:54	96-18-4	

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ANALYTICAL RESULTS

Project: 214 W. Patterson St. Lakeville
Pace Project No.: 50150125

Sample: Trip Blank **Lab ID: 50150125006** Collected: 07/20/16 08:00 Received: 07/21/16 08:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 8260							
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		08/02/16 18:54	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		08/02/16 18:54	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		08/02/16 18:54	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		08/02/16 18:54	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/02/16 18:54	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	105	%.	84-118	1		08/02/16 18:54	1868-53-7	
4-Bromofluorobenzene (S)	103	%.	79-116	1		08/02/16 18:54	460-00-4	
Toluene-d8 (S)	95	%.	86-110	1		08/02/16 18:54	2037-26-5	

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QUALITY CONTROL DATA

Project: 214 W. Patterson St. Lakeville
Pace Project No.: 50150125

QC Batch: 343306 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 50150125001, 50150125002, 50150125003, 50150125004, 50150125005, 50150125006

METHOD BLANK: 1590238 Matrix: Water
Associated Lab Samples: 50150125001, 50150125002, 50150125003, 50150125004, 50150125005, 50150125006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	ND	10.0	07/27/16 10:48	

LABORATORY CONTROL SAMPLE: 1590239

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	1000	1040	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1590240 1590241

Parameter	Units	50150125004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	15.6	1000	1000	968	972	95	96	75-125	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1590242 1590243

Parameter	Units	50149955027 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	10.7	1000	1000	973	977	96	97	75-125	0	20	

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QUALITY CONTROL DATA

Project: 214 W. Patterson St. Lakeville
Pace Project No.: 50150125

QC Batch: 344708 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 50150125002

METHOD BLANK: 1595813 Matrix: Water
Associated Lab Samples: 50150125002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	08/01/16 12:29	
1,1,1-Trichloroethane	ug/L	ND	5.0	08/01/16 12:29	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	08/01/16 12:29	
1,1,2-Trichloroethane	ug/L	ND	5.0	08/01/16 12:29	
1,1-Dichloroethane	ug/L	ND	5.0	08/01/16 12:29	
1,1-Dichloroethene	ug/L	ND	5.0	08/01/16 12:29	
1,1-Dichloropropene	ug/L	ND	5.0	08/01/16 12:29	
1,2,3-Trichlorobenzene	ug/L	ND	5.0	08/01/16 12:29	
1,2,3-Trichloropropane	ug/L	ND	5.0	08/01/16 12:29	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	08/01/16 12:29	
1,2,4-Trimethylbenzene	ug/L	ND	5.0	08/01/16 12:29	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	08/01/16 12:29	
1,2-Dichlorobenzene	ug/L	ND	5.0	08/01/16 12:29	
1,2-Dichloroethane	ug/L	ND	5.0	08/01/16 12:29	
1,2-Dichloropropane	ug/L	ND	5.0	08/01/16 12:29	
1,3,5-Trimethylbenzene	ug/L	ND	5.0	08/01/16 12:29	
1,3-Dichlorobenzene	ug/L	ND	5.0	08/01/16 12:29	
1,3-Dichloropropane	ug/L	ND	5.0	08/01/16 12:29	
1,4-Dichlorobenzene	ug/L	ND	5.0	08/01/16 12:29	
1-Methylnaphthalene	ug/L	ND	5.0	08/01/16 12:29	N2
2,2-Dichloropropane	ug/L	ND	5.0	08/01/16 12:29	
2-Butanone (MEK)	ug/L	ND	25.0	08/01/16 12:29	
2-Chlorotoluene	ug/L	ND	5.0	08/01/16 12:29	
2-Hexanone	ug/L	ND	25.0	08/01/16 12:29	
2-Methylnaphthalene	ug/L	ND	10.0	08/01/16 12:29	
4-Chlorotoluene	ug/L	ND	5.0	08/01/16 12:29	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	08/01/16 12:29	
Acetone	ug/L	ND	100	08/01/16 12:29	
Acrolein	ug/L	ND	50.0	08/01/16 12:29	
Acrylonitrile	ug/L	ND	100	08/01/16 12:29	
Benzene	ug/L	ND	5.0	08/01/16 12:29	
Bromobenzene	ug/L	ND	5.0	08/01/16 12:29	
Bromochloromethane	ug/L	ND	5.0	08/01/16 12:29	
Bromodichloromethane	ug/L	ND	5.0	08/01/16 12:29	
Bromoform	ug/L	ND	5.0	08/01/16 12:29	
Bromomethane	ug/L	ND	5.0	08/01/16 12:29	
Carbon disulfide	ug/L	ND	10.0	08/01/16 12:29	
Carbon tetrachloride	ug/L	ND	5.0	08/01/16 12:29	
Chlorobenzene	ug/L	ND	5.0	08/01/16 12:29	
Chloroethane	ug/L	ND	5.0	08/01/16 12:29	
Chloroform	ug/L	ND	5.0	08/01/16 12:29	

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QUALITY CONTROL DATA

Project: 214 W. Patterson St. Lakeville
Pace Project No.: 50150125

METHOD BLANK: 1595813 Matrix: Water
Associated Lab Samples: 50150125002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloromethane	ug/L	ND	5.0	08/01/16 12:29	
cis-1,2-Dichloroethene	ug/L	ND	5.0	08/01/16 12:29	
cis-1,3-Dichloropropene	ug/L	ND	5.0	08/01/16 12:29	
Dibromochloromethane	ug/L	ND	5.0	08/01/16 12:29	
Dibromomethane	ug/L	ND	5.0	08/01/16 12:29	
Dichlorodifluoromethane	ug/L	ND	5.0	08/01/16 12:29	
Ethyl methacrylate	ug/L	ND	100	08/01/16 12:29	
Ethylbenzene	ug/L	ND	5.0	08/01/16 12:29	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	08/01/16 12:29	
Iodomethane	ug/L	ND	10.0	08/01/16 12:29	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	08/01/16 12:29	
Methyl-tert-butyl ether	ug/L	ND	4.0	08/01/16 12:29	
Methylene Chloride	ug/L	ND	5.0	08/01/16 12:29	
n-Butylbenzene	ug/L	ND	5.0	08/01/16 12:29	
n-Hexane	ug/L	ND	5.0	08/01/16 12:29	
n-Propylbenzene	ug/L	ND	5.0	08/01/16 12:29	
Naphthalene	ug/L	ND	1.7	08/01/16 12:29	
p-Isopropyltoluene	ug/L	ND	5.0	08/01/16 12:29	
sec-Butylbenzene	ug/L	ND	5.0	08/01/16 12:29	
Styrene	ug/L	ND	5.0	08/01/16 12:29	
tert-Butylbenzene	ug/L	ND	5.0	08/01/16 12:29	
Tetrachloroethene	ug/L	ND	5.0	08/01/16 12:29	
Toluene	ug/L	ND	5.0	08/01/16 12:29	
trans-1,2-Dichloroethene	ug/L	ND	5.0	08/01/16 12:29	
trans-1,3-Dichloropropene	ug/L	ND	5.0	08/01/16 12:29	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	08/01/16 12:29	
Trichloroethene	ug/L	ND	5.0	08/01/16 12:29	
Trichlorofluoromethane	ug/L	ND	5.0	08/01/16 12:29	
Vinyl acetate	ug/L	ND	50.0	08/01/16 12:29	
Vinyl chloride	ug/L	ND	2.0	08/01/16 12:29	
Xylene (Total)	ug/L	ND	10.0	08/01/16 12:29	
4-Bromofluorobenzene (S)	%.	107	79-116	08/01/16 12:29	
Dibromofluoromethane (S)	%.	114	84-118	08/01/16 12:29	
Toluene-d8 (S)	%.	92	86-110	08/01/16 12:29	

LABORATORY CONTROL SAMPLE: 1595814

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	57.0	114	74-130	
1,1,1-Trichloroethane	ug/L	50	51.0	102	72-123	
1,1,2,2-Tetrachloroethane	ug/L	50	55.4	111	72-124	
1,1,2-Trichloroethane	ug/L	50	57.0	114	75-125	
1,1-Dichloroethane	ug/L	50	48.2	96	70-120	
1,1-Dichloroethene	ug/L	50	53.8	108	69-127	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 214 W. Patterson St. Lakeville
Pace Project No.: 50150125

LABORATORY CONTROL SAMPLE: 1595814

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloropropene	ug/L	50	53.3	107	81-129	
1,2,3-Trichlorobenzene	ug/L	50	52.4	105	71-130	
1,2,3-Trichloropropane	ug/L	50	58.8	118	77-127	
1,2,4-Trichlorobenzene	ug/L	50	54.5	109	66-126	
1,2,4-Trimethylbenzene	ug/L	50	53.5	107	73-125	
1,2-Dibromoethane (EDB)	ug/L	50	59.6	119	76-125	
1,2-Dichlorobenzene	ug/L	50	50.9	102	77-122	
1,2-Dichloroethane	ug/L	50	50.8	102	70-123	
1,2-Dichloropropane	ug/L	50	52.4	105	77-124	
1,3,5-Trimethylbenzene	ug/L	50	53.2	106	75-124	
1,3-Dichlorobenzene	ug/L	50	52.7	105	76-124	
1,3-Dichloropropane	ug/L	50	55.2	110	77-123	
1,4-Dichlorobenzene	ug/L	50	53.0	106	75-117	
1-Methylnaphthalene	ug/L	50	59.1	118	55-151	N2
2,2-Dichloropropane	ug/L	50	51.2	102	44-147	
2-Butanone (MEK)	ug/L	250	324	130	60-135	
2-Chlorotoluene	ug/L	50	49.2	98	75-124	
2-Hexanone	ug/L	250	304	122	65-139	
2-Methylnaphthalene	ug/L	50	50.6	101	58-148	
4-Chlorotoluene	ug/L	50	54.4	109	75-124	
4-Methyl-2-pentanone (MIBK)	ug/L	250	306	122	66-134	
Acetone	ug/L	250	363	145	47-144	L0
Acrolein	ug/L	1000	1420	142	31-200	
Acrylonitrile	ug/L	200	215	107	64-133	
Benzene	ug/L	50	52.7	105	76-122	
Bromobenzene	ug/L	50	50.0	100	75-117	
Bromochloromethane	ug/L	50	47.9	96	74-134	
Bromodichloromethane	ug/L	50	51.0	102	71-124	
Bromoform	ug/L	50	47.2	94	60-125	
Bromomethane	ug/L	50	74.8	150	23-194	
Carbon disulfide	ug/L	50	47.1	94	63-130	
Carbon tetrachloride	ug/L	50	52.2	104	73-133	
Chlorobenzene	ug/L	50	52.8	106	76-118	
Chloroethane	ug/L	50	40.5	81	50-147	
Chloroform	ug/L	50	45.3	91	70-119	
Chloromethane	ug/L	50	51.1	102	52-136	
cis-1,2-Dichloroethene	ug/L	50	50.4	101	74-120	
cis-1,3-Dichloropropene	ug/L	50	57.0	114	71-134	
Dibromochloromethane	ug/L	50	55.9	112	73-127	
Dibromomethane	ug/L	50	52.1	104	75-124	
Dichlorodifluoromethane	ug/L	50	52.9	106	39-166	
Ethyl methacrylate	ug/L	200	232	116	73-136	
Ethylbenzene	ug/L	50	51.8	104	75-123	
Hexachloro-1,3-butadiene	ug/L	50	53.5	107	70-125	
Iodomethane	ug/L	100	155	155	56-142	L0
Isopropylbenzene (Cumene)	ug/L	50	52.5	105	84-134	
Methyl-tert-butyl ether	ug/L	50	62.4	125	65-131	

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QUALITY CONTROL DATA

Project: 214 W. Patterson St. Lakeville
Pace Project No.: 50150125

LABORATORY CONTROL SAMPLE: 1595814

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Methylene Chloride	ug/L	50	44.4	89	66-130	
n-Butylbenzene	ug/L	50	54.4	109	70-127	
n-Hexane	ug/L	50	53.3	107	64-131	
n-Propylbenzene	ug/L	50	53.9	108	78-131	
Naphthalene	ug/L	50	54.3	109	65-134	
p-Isopropyltoluene	ug/L	50	53.8	108	75-124	
sec-Butylbenzene	ug/L	50	54.1	108	83-135	
Styrene	ug/L	50	52.6	105	78-128	
tert-Butylbenzene	ug/L	50	40.6	81	62-114	
Tetrachloroethene	ug/L	50	54.2	108	69-119	
Toluene	ug/L	50	51.1	102	74-122	
trans-1,2-Dichloroethene	ug/L	50	53.5	107	72-122	
trans-1,3-Dichloropropene	ug/L	50	49.5	99	66-135	
trans-1,4-Dichloro-2-butene	ug/L	200	221	111	39-153	
Trichloroethene	ug/L	50	53.0	106	75-123	
Trichlorofluoromethane	ug/L	50	44.5	89	58-148	
Vinyl acetate	ug/L	200	233	117	67-154	
Vinyl chloride	ug/L	50	50.5	101	61-147	
Xylene (Total)	ug/L	150	155	103	75-127	
4-Bromofluorobenzene (S)	%.			96	79-116	
Dibromofluoromethane (S)	%.			91	84-118	
Toluene-d8 (S)	%.			101	86-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1595815 1595816

Parameter	Units	50150210005 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	59.3	61.5	119	123	44-142	4	20	
1,1,1-Trichloroethane	ug/L	ND	50	50	53.2	53.7	106	107	51-140	1	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	56.4	60.4	113	121	49-138	7	20	
1,1,2-Trichloroethane	ug/L	ND	50	50	58.7	61.2	117	122	51-138	4	20	
1,1-Dichloroethane	ug/L	ND	50	50	51.2	51.3	102	103	48-137	0	20	
1,1-Dichloroethene	ug/L	ND	50	50	54.6	55.2	109	110	51-144	1	20	
1,1-Dichloropropene	ug/L	ND	50	50	55.4	56.1	111	112	54-150	1	20	
1,2,3-Trichlorobenzene	ug/L	ND	50	50	52.6	55.6	105	111	32-140	6	20	
1,2,3-Trichloropropane	ug/L	ND	50	50	58.4	62.1	117	124	51-139	6	20	
1,2,4-Trichlorobenzene	ug/L	ND	50	50	52.6	55.6	105	111	27-134	5	20	
1,2,4-Trimethylbenzene	ug/L	ND	50	50	54.3	55.6	109	111	32-143	2	20	
1,2-Dibromoethane (EDB)	ug/L	ND	50	50	61.3	63.4	123	127	52-134	3	20	
1,2-Dichlorobenzene	ug/L	ND	50	50	53.3	54.2	107	108	38-138	2	20	
1,2-Dichloroethane	ug/L	ND	50	50	52.9	54.3	106	109	44-144	3	20	
1,2-Dichloropropane	ug/L	ND	50	50	55.5	55.9	111	112	56-138	1	20	
1,3,5-Trimethylbenzene	ug/L	ND	50	50	54.1	54.1	108	108	28-146	0	20	
1,3-Dichlorobenzene	ug/L	ND	50	50	54.1	55.6	108	111	36-139	3	20	
1,3-Dichloropropane	ug/L	ND	50	50	57.1	59.6	114	119	54-137	4	20	

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QUALITY CONTROL DATA

Project: 214 W. Patterson St. Lakeville
Pace Project No.: 50150125

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1595815 1595816

Parameter	Units	50150210005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,4-Dichlorobenzene	ug/L	ND	50	50	53.2	55.0	106	110	34-134	3	20	
1-Methylnaphthalene	ug/L	ND	50	50	56.2	62.9	112	126	32-150	11	20	N2
2,2-Dichloropropane	ug/L	ND	50	50	54.1	54.4	108	109	20-142	1	20	
2-Butanone (MEK)	ug/L	ND	250	250	258	281	103	113	44-142	9	20	
2-Chlorotoluene	ug/L	ND	50	50	51.2	53.1	102	106	36-143	4	20	
2-Hexanone	ug/L	ND	250	250	271	299	108	120	43-150	10	20	
2-Methylnaphthalene	ug/L	ND	50	50	46.5	53.0	93	106	27-148	13	20	
4-Chlorotoluene	ug/L	ND	50	50	55.0	56.2	110	112	34-143	2	20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	250	287	313	115	125	46-143	9	20	
Acetone	ug/L	21.4J	250	250	301	310	112	115	33-150	3	20	
Acrolein	ug/L	ND	1000	1000	1230	1280	122	128	32-200	5	20	
Acrylonitrile	ug/L	ND	200	200	200	217	100	108	47-143	8	20	
Benzene	ug/L	1.1J	50	50	56.2	57.4	110	113	51-140	2	20	
Bromobenzene	ug/L	ND	50	50	51.5	53.3	103	107	41-134	3	20	
Bromochloromethane	ug/L	ND	50	50	50.9	51.2	102	102	53-148	1	20	
Bromodichloromethane	ug/L	ND	50	50	56.1	56.3	112	113	46-137	0	20	
Bromoform	ug/L	ND	50	50	48.2	49.7	96	99	36-127	3	20	
Bromomethane	ug/L	ND	50	50	75.9	76.6	152	153	10-188	1	20	
Carbon disulfide	ug/L	ND	50	50	47.5	48.0	95	96	35-148	1	20	
Carbon tetrachloride	ug/L	ND	50	50	53.0	53.1	106	106	45-151	0	20	
Chlorobenzene	ug/L	ND	50	50	54.3	56.9	109	114	45-138	5	20	
Chloroethane	ug/L	ND	50	50	40.9	41.5	82	83	33-164	1	20	
Chloroform	ug/L	2.4J	50	50	49.7	50.0	95	95	50-135	0	20	
Chloromethane	ug/L	ND	50	50	47.4	50.9	95	102	38-146	7	20	
cis-1,2-Dichloroethene	ug/L	ND	50	50	53.1	53.8	106	108	43-144	1	20	
cis-1,3-Dichloropropene	ug/L	ND	50	50	59.2	60.5	118	121	42-136	2	20	
Dibromochloromethane	ug/L	1.8J	50	50	59.7	61.9	116	120	45-136	4	20	
Dibromomethane	ug/L	ND	50	50	54.6	54.8	109	110	51-139	0	20	
Dichlorodifluoromethane	ug/L	ND	50	50	52.2	54.6	104	109	29-174	5	20	
Ethyl methacrylate	ug/L	ND	200	200	228	248	114	124	44-150	9	20	
Ethylbenzene	ug/L	ND	50	50	53.4	56.6	106	113	36-146	6	20	
Hexachloro-1,3-butadiene	ug/L	ND	50	50	52.3	53.0	105	106	14-150	1	20	
Iodomethane	ug/L	ND	100	100	160	155	160	155	28-153	3	20	M0
Isopropylbenzene (Cumene)	ug/L	ND	50	50	52.5	54.2	105	108	43-159	3	20	
Methyl-tert-butyl ether	ug/L	ND	50	50	64.3	67.4	129	135	43-146	5	20	
Methylene Chloride	ug/L	ND	50	50	52.1	52.8	104	106	48-140	1	20	
n-Butylbenzene	ug/L	ND	50	50	53.1	55.1	106	110	16-152	4	20	
n-Hexane	ug/L	ND	50	50	55.3	53.9	111	108	40-144	3	20	
n-Propylbenzene	ug/L	ND	50	50	55.3	56.1	111	112	28-157	2	20	
Naphthalene	ug/L	ND	50	50	54.0	57.2	108	114	38-141	6	20	
p-Isopropyltoluene	ug/L	ND	50	50	53.6	54.8	107	110	21-151	2	20	
sec-Butylbenzene	ug/L	ND	50	50	54.7	56.0	109	112	27-165	2	20	
Styrene	ug/L	ND	50	50	52.9	54.8	106	110	31-148	3	20	
tert-Butylbenzene	ug/L	ND	50	50	41.4	41.6	83	83	24-131	0	20	
Tetrachloroethene	ug/L	ND	50	50	54.4	57.2	109	114	38-139	5	20	

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QUALITY CONTROL DATA

Project: 214 W. Patterson St. Lakeville
Pace Project No.: 50150125

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1595815 1595816

Parameter	Units	50150210005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Toluene	ug/L	203	50	50	234	234	62	62	44-140	0	20	
trans-1,2-Dichloroethene	ug/L	ND	50	50	54.7	56.7	109	113	50-139	4	20	
trans-1,3-Dichloropropene	ug/L	ND	50	50	51.0	52.6	102	105	37-138	3	20	
trans-1,4-Dichloro-2-butene	ug/L	ND	200	200	230	238	115	119	10-157	3	20	
Trichloroethene	ug/L	0.61J	50	50	56.3	56.5	111	112	44-146	0	20	
Trichlorofluoromethane	ug/L	ND	50	50	42.4	43.4	85	87	41-164	2	20	
Vinyl acetate	ug/L	ND	200	200	207	213	104	107	15-146	3	20	
Vinyl chloride	ug/L	ND	50	50	50.8	51.2	102	102	43-166	1	20	
Xylene (Total)	ug/L	ND	150	150	158	165	105	110	35-146	4	20	
4-Bromofluorobenzene (S)	%.						95	96	79-116			
Dibromofluoromethane (S)	%.						92	90	84-118			
Toluene-d8 (S)	%.						100	101	86-110			

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QUALITY CONTROL DATA

Project: 214 W. Patterson St. Lakeville
Pace Project No.: 50150125

QC Batch: 344905 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 50150125001, 50150125003, 50150125004, 50150125005, 50150125006

METHOD BLANK: 1596544 Matrix: Water
Associated Lab Samples: 50150125001, 50150125003, 50150125004, 50150125005, 50150125006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	08/02/16 13:53	
1,1,1-Trichloroethane	ug/L	ND	5.0	08/02/16 13:53	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	08/02/16 13:53	
1,1,2-Trichloroethane	ug/L	ND	5.0	08/02/16 13:53	
1,1-Dichloroethane	ug/L	ND	5.0	08/02/16 13:53	
1,1-Dichloroethene	ug/L	ND	5.0	08/02/16 13:53	
1,1-Dichloropropene	ug/L	ND	5.0	08/02/16 13:53	
1,2,3-Trichlorobenzene	ug/L	ND	5.0	08/02/16 13:53	
1,2,3-Trichloropropane	ug/L	ND	5.0	08/02/16 13:53	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	08/02/16 13:53	
1,2,4-Trimethylbenzene	ug/L	ND	5.0	08/02/16 13:53	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	08/02/16 13:53	
1,2-Dichlorobenzene	ug/L	ND	5.0	08/02/16 13:53	
1,2-Dichloroethane	ug/L	ND	5.0	08/02/16 13:53	
1,2-Dichloropropane	ug/L	ND	5.0	08/02/16 13:53	
1,3,5-Trimethylbenzene	ug/L	ND	5.0	08/02/16 13:53	
1,3-Dichlorobenzene	ug/L	ND	5.0	08/02/16 13:53	
1,3-Dichloropropane	ug/L	ND	5.0	08/02/16 13:53	
1,4-Dichlorobenzene	ug/L	ND	5.0	08/02/16 13:53	
1-Methylnaphthalene	ug/L	ND	5.0	08/02/16 13:53	N2
2,2-Dichloropropane	ug/L	ND	5.0	08/02/16 13:53	
2-Butanone (MEK)	ug/L	ND	25.0	08/02/16 13:53	
2-Chlorotoluene	ug/L	ND	5.0	08/02/16 13:53	
2-Hexanone	ug/L	ND	25.0	08/02/16 13:53	
2-Methylnaphthalene	ug/L	ND	10.0	08/02/16 13:53	
4-Chlorotoluene	ug/L	ND	5.0	08/02/16 13:53	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	08/02/16 13:53	
Acetone	ug/L	ND	100	08/02/16 13:53	
Acrolein	ug/L	ND	50.0	08/02/16 13:53	
Acrylonitrile	ug/L	ND	100	08/02/16 13:53	
Benzene	ug/L	ND	5.0	08/02/16 13:53	
Bromobenzene	ug/L	ND	5.0	08/02/16 13:53	
Bromochloromethane	ug/L	ND	5.0	08/02/16 13:53	
Bromodichloromethane	ug/L	ND	5.0	08/02/16 13:53	
Bromoform	ug/L	ND	5.0	08/02/16 13:53	
Bromomethane	ug/L	ND	5.0	08/02/16 13:53	
Carbon disulfide	ug/L	ND	10.0	08/02/16 13:53	
Carbon tetrachloride	ug/L	ND	5.0	08/02/16 13:53	
Chlorobenzene	ug/L	ND	5.0	08/02/16 13:53	
Chloroethane	ug/L	ND	5.0	08/02/16 13:53	
Chloroform	ug/L	ND	5.0	08/02/16 13:53	

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QUALITY CONTROL DATA

Project: 214 W. Patterson St. Lakeville
Pace Project No.: 50150125

METHOD BLANK: 1596544 Matrix: Water
Associated Lab Samples: 50150125001, 50150125003, 50150125004, 50150125005, 50150125006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloromethane	ug/L	ND	5.0	08/02/16 13:53	
cis-1,2-Dichloroethene	ug/L	ND	5.0	08/02/16 13:53	
cis-1,3-Dichloropropene	ug/L	ND	5.0	08/02/16 13:53	
Dibromochloromethane	ug/L	ND	5.0	08/02/16 13:53	
Dibromomethane	ug/L	ND	5.0	08/02/16 13:53	
Dichlorodifluoromethane	ug/L	ND	5.0	08/02/16 13:53	
Ethyl methacrylate	ug/L	ND	100	08/02/16 13:53	
Ethylbenzene	ug/L	ND	5.0	08/02/16 13:53	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	08/02/16 13:53	
Iodomethane	ug/L	ND	10.0	08/02/16 13:53	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	08/02/16 13:53	
Methyl-tert-butyl ether	ug/L	ND	4.0	08/02/16 13:53	
Methylene Chloride	ug/L	ND	5.0	08/02/16 13:53	
n-Butylbenzene	ug/L	ND	5.0	08/02/16 13:53	
n-Hexane	ug/L	ND	5.0	08/02/16 13:53	
n-Propylbenzene	ug/L	ND	5.0	08/02/16 13:53	
Naphthalene	ug/L	ND	1.7	08/02/16 13:53	
p-Isopropyltoluene	ug/L	ND	5.0	08/02/16 13:53	
sec-Butylbenzene	ug/L	ND	5.0	08/02/16 13:53	
Styrene	ug/L	ND	5.0	08/02/16 13:53	
tert-Butylbenzene	ug/L	ND	5.0	08/02/16 13:53	
Tetrachloroethene	ug/L	ND	5.0	08/02/16 13:53	
Toluene	ug/L	ND	5.0	08/02/16 13:53	
trans-1,2-Dichloroethene	ug/L	ND	5.0	08/02/16 13:53	
trans-1,3-Dichloropropene	ug/L	ND	5.0	08/02/16 13:53	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	08/02/16 13:53	
Trichloroethene	ug/L	ND	5.0	08/02/16 13:53	
Trichlorofluoromethane	ug/L	ND	5.0	08/02/16 13:53	
Vinyl acetate	ug/L	ND	50.0	08/02/16 13:53	
Vinyl chloride	ug/L	ND	2.0	08/02/16 13:53	
Xylene (Total)	ug/L	ND	10.0	08/02/16 13:53	
4-Bromofluorobenzene (S)	%.	103	79-116	08/02/16 13:53	
Dibromofluoromethane (S)	%.	104	84-118	08/02/16 13:53	
Toluene-d8 (S)	%.	96	86-110	08/02/16 13:53	

LABORATORY CONTROL SAMPLE: 1596545

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	54.5	109	74-130	
1,1,1-Trichloroethane	ug/L	50	57.1	114	72-123	
1,1,2,2-Tetrachloroethane	ug/L	50	53.7	107	72-124	
1,1,2-Trichloroethane	ug/L	50	55.9	112	75-125	
1,1-Dichloroethane	ug/L	50	54.7	109	70-120	
1,1-Dichloroethene	ug/L	50	60.2	120	69-127	

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QUALITY CONTROL DATA

Project: 214 W. Patterson St. Lakeville
Pace Project No.: 50150125

LABORATORY CONTROL SAMPLE: 1596545

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloropropene	ug/L	50	57.3	115	81-129	
1,2,3-Trichlorobenzene	ug/L	50	55.6	111	71-130	
1,2,3-Trichloropropane	ug/L	50	56.5	113	77-127	
1,2,4-Trichlorobenzene	ug/L	50	56.7	113	66-126	
1,2,4-Trimethylbenzene	ug/L	50	52.6	105	73-125	
1,2-Dibromoethane (EDB)	ug/L	50	54.7	109	76-125	
1,2-Dichlorobenzene	ug/L	50	52.6	105	77-122	
1,2-Dichloroethane	ug/L	50	56.3	113	70-123	
1,2-Dichloropropane	ug/L	50	56.2	112	77-124	
1,3,5-Trimethylbenzene	ug/L	50	54.7	109	75-124	
1,3-Dichlorobenzene	ug/L	50	55.2	110	76-124	
1,3-Dichloropropane	ug/L	50	54.7	109	77-123	
1,4-Dichlorobenzene	ug/L	50	54.8	110	75-117	
1-Methylnaphthalene	ug/L	50	58.9	118	55-151	N2
2,2-Dichloropropane	ug/L	50	57.0	114	44-147	
2-Butanone (MEK)	ug/L	250	263	105	60-135	
2-Chlorotoluene	ug/L	50	54.9	110	75-124	
2-Hexanone	ug/L	250	278	111	65-139	
2-Methylnaphthalene	ug/L	50	49.2	98	58-148	
4-Chlorotoluene	ug/L	50	56.7	113	75-124	
4-Methyl-2-pentanone (MIBK)	ug/L	250	274	109	66-134	
Acetone	ug/L	250	297	119	47-144	
Acrolein	ug/L	1000	1370	137	31-200	
Acrylonitrile	ug/L	200	228	114	64-133	
Benzene	ug/L	50	57.2	114	76-122	
Bromobenzene	ug/L	50	54.5	109	75-117	
Bromochloromethane	ug/L	50	57.2	114	74-134	
Bromodichloromethane	ug/L	50	55.0	110	71-124	
Bromoform	ug/L	50	51.8	104	60-125	
Bromomethane	ug/L	50	59.3	119	23-194	
Carbon disulfide	ug/L	50	55.1	110	63-130	
Carbon tetrachloride	ug/L	50	59.6	119	73-133	
Chlorobenzene	ug/L	50	55.8	112	76-118	
Chloroethane	ug/L	50	45.1	90	50-147	
Chloroform	ug/L	50	50.4	101	70-119	
Chloromethane	ug/L	50	46.0	92	52-136	
cis-1,2-Dichloroethene	ug/L	50	58.4	117	74-120	
cis-1,3-Dichloropropene	ug/L	50	56.3	113	71-134	
Dibromochloromethane	ug/L	50	54.4	109	73-127	
Dibromomethane	ug/L	50	56.7	113	75-124	
Dichlorodifluoromethane	ug/L	50	45.1	90	39-166	
Ethyl methacrylate	ug/L	200	220	110	73-136	
Ethylbenzene	ug/L	50	55.4	111	75-123	
Hexachloro-1,3-butadiene	ug/L	50	56.5	113	70-125	
Iodomethane	ug/L	100	108	108	56-142	
Isopropylbenzene (Cumene)	ug/L	50	56.1	112	84-134	
Methyl-tert-butyl ether	ug/L	50	57.5	115	65-131	

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QUALITY CONTROL DATA

Project: 214 W. Patterson St. Lakeville
Pace Project No.: 50150125

LABORATORY CONTROL SAMPLE: 1596545

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Methylene Chloride	ug/L	50	47.6	95	66-130	
n-Butylbenzene	ug/L	50	56.7	113	70-127	
n-Hexane	ug/L	50	58.3	117	64-131	
n-Propylbenzene	ug/L	50	56.5	113	78-131	
Naphthalene	ug/L	50	55.5	111	65-134	
p-Isopropyltoluene	ug/L	50	56.3	113	75-124	
sec-Butylbenzene	ug/L	50	57.2	114	83-135	
Styrene	ug/L	50	55.7	111	78-128	
tert-Butylbenzene	ug/L	50	40.5	81	62-114	
Tetrachloroethene	ug/L	50	52.8	106	69-119	
Toluene	ug/L	50	50.0	100	74-122	
trans-1,2-Dichloroethene	ug/L	50	60.8	122	72-122	
trans-1,3-Dichloropropene	ug/L	50	56.3	113	66-135	
trans-1,4-Dichloro-2-butene	ug/L	200	226	113	39-153	
Trichloroethene	ug/L	50	54.3	109	75-123	
Trichlorofluoromethane	ug/L	50	52.6	105	58-148	
Vinyl acetate	ug/L	200	220	110	67-154	
Vinyl chloride	ug/L	50	51.9	104	61-147	
Xylene (Total)	ug/L	150	168	112	75-127	
4-Bromofluorobenzene (S)	%.			99	79-116	
Dibromofluoromethane (S)	%.			101	84-118	
Toluene-d8 (S)	%.			99	86-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1596546 1596547

Parameter	Units	50150125004 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	62.6	55.7	125	111	44-142	12	20	
1,1,1-Trichloroethane	ug/L	ND	50	50	63.1	57.7	126	115	51-140	9	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	61.5	55.1	123	110	49-138	11	20	
1,1,2-Trichloroethane	ug/L	ND	50	50	63.0	56.9	126	114	51-138	10	20	
1,1-Dichloroethane	ug/L	ND	50	50	62.2	56.8	124	114	48-137	9	20	
1,1-Dichloroethene	ug/L	ND	50	50	62.7	60.4	125	121	51-144	4	20	
1,1-Dichloropropene	ug/L	ND	50	50	63.7	58.1	127	116	54-150	9	20	
1,2,3-Trichlorobenzene	ug/L	ND	50	50	60.1	55.9	120	112	32-140	7	20	
1,2,3-Trichloropropane	ug/L	ND	50	50	63.8	56.7	128	113	51-139	12	20	
1,2,4-Trichlorobenzene	ug/L	ND	50	50	60.6	56.9	121	114	27-134	6	20	
1,2,4-Trimethylbenzene	ug/L	ND	50	50	59.2	54.0	115	105	32-143	9	20	
1,2-Dibromoethane (EDB)	ug/L	ND	50	50	62.6	54.7	125	109	52-134	14	20	
1,2-Dichlorobenzene	ug/L	ND	50	50	58.8	54.6	118	109	38-138	8	20	
1,2-Dichloroethane	ug/L	ND	50	50	64.4	58.3	129	117	44-144	10	20	
1,2-Dichloropropane	ug/L	ND	50	50	62.1	57.3	124	115	56-138	8	20	
1,3,5-Trimethylbenzene	ug/L	ND	50	50	59.2	55.9	117	111	28-146	6	20	
1,3-Dichlorobenzene	ug/L	ND	50	50	60.3	56.1	121	112	36-139	7	20	
1,3-Dichloropropane	ug/L	ND	50	50	63.1	56.2	126	112	54-137	12	20	

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QUALITY CONTROL DATA

Project: 214 W. Patterson St. Lakeville
Pace Project No.: 50150125

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1596546 1596547

Parameter	Units	50150125004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,4-Dichlorobenzene	ug/L	ND	50	50	60.4	55.6	121	111	34-134	8	20	
1-Methylnaphthalene	ug/L	ND	50	50	65.8	59.7	131	118	32-150	10	20	N2
2,2-Dichloropropane	ug/L	ND	50	50	64.0	58.6	128	117	20-142	9	20	
2-Butanone (MEK)	ug/L	ND	250	250	282	230	113	92	44-142	20	20	
2-Chlorotoluene	ug/L	ND	50	50	59.9	56.1	120	112	36-143	6	20	
2-Hexanone	ug/L	ND	250	250	312	260	125	104	43-150	18	20	
2-Methylnaphthalene	ug/L	ND	50	50	54.7	50.3	108	99	27-148	8	20	
4-Chlorotoluene	ug/L	ND	50	50	62.3	57.5	125	115	34-143	8	20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	250	319	266	127	106	46-143	18	20	
Acetone	ug/L	ND	250	250	296	252	118	101	33-150	16	20	
Acrolein	ug/L	ND	1000	1000	1450	1180	145	118	32-200	20	20	
Acrylonitrile	ug/L	ND	200	200	264	195	132	97	47-143	30	20	R1
Benzene	ug/L	ND	50	50	63.9	58.9	128	118	51-140	8	20	
Bromobenzene	ug/L	ND	50	50	61.3	55.4	123	111	41-134	10	20	
Bromochloromethane	ug/L	ND	50	50	66.8	60.2	134	120	53-148	10	20	
Bromodichloromethane	ug/L	ND	50	50	62.4	57.0	125	114	46-137	9	20	
Bromoform	ug/L	ND	50	50	59.2	52.8	118	106	36-127	11	20	
Bromomethane	ug/L	ND	50	50	67.3	67.7	135	135	10-188	1	20	
Carbon disulfide	ug/L	ND	50	50	59.1	54.0	118	108	35-148	9	20	
Carbon tetrachloride	ug/L	ND	50	50	66.4	60.7	133	121	45-151	9	20	
Chlorobenzene	ug/L	ND	50	50	62.6	56.0	125	112	45-138	11	20	
Chloroethane	ug/L	ND	50	50	49.5	46.6	99	93	33-164	6	20	
Chloroform	ug/L	ND	50	50	56.9	52.3	114	105	50-135	8	20	
Chloromethane	ug/L	ND	50	50	51.3	51.5	103	103	38-146	0	20	
cis-1,2-Dichloroethene	ug/L	ND	50	50	66.9	60.6	134	121	43-144	10	20	
cis-1,3-Dichloropropene	ug/L	ND	50	50	63.0	55.9	126	112	42-136	12	20	
Dibromochloromethane	ug/L	ND	50	50	61.8	54.9	124	110	45-136	12	20	
Dibromomethane	ug/L	ND	50	50	64.5	58.1	129	116	51-139	10	20	
Dichlorodifluoromethane	ug/L	ND	50	50	50.2	46.5	100	93	29-174	8	20	
Ethyl methacrylate	ug/L	ND	200	200	252	221	126	111	44-150	13	20	
Ethylbenzene	ug/L	ND	50	50	62.2	56.2	124	112	36-146	10	20	
Hexachloro-1,3-butadiene	ug/L	ND	50	50	60.8	56.7	122	113	14-150	7	20	
Iodomethane	ug/L	ND	100	100	106	108	106	108	28-153	2	20	
Isopropylbenzene (Cumene)	ug/L	ND	50	50	62.3	56.0	124	111	43-159	11	20	
Methyl-tert-butyl ether	ug/L	ND	50	50	66.3	50.6	133	101	43-146	27	20	R1
Methylene Chloride	ug/L	ND	50	50	53.1	48.8	99	91	48-140	8	20	
n-Butylbenzene	ug/L	ND	50	50	60.8	56.2	122	112	16-152	8	20	
n-Hexane	ug/L	ND	50	50	63.1	59.4	126	119	40-144	6	20	
n-Propylbenzene	ug/L	ND	50	50	61.2	57.7	122	115	28-157	6	20	
Naphthalene	ug/L	ND	50	50	63.7	58.2	126	115	38-141	9	20	
p-Isopropyltoluene	ug/L	ND	50	50	60.9	56.3	122	113	21-151	8	20	
sec-Butylbenzene	ug/L	ND	50	50	62.8	58.7	123	115	27-165	7	20	
Styrene	ug/L	ND	50	50	62.6	55.2	125	110	31-148	13	20	
tert-Butylbenzene	ug/L	ND	50	50	44.4	41.4	89	83	24-131	7	20	
Tetrachloroethene	ug/L	ND	50	50	58.4	52.3	117	105	38-139	11	20	

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QUALITY CONTROL DATA

Project: 214 W. Patterson St. Lakeville
Pace Project No.: 50150125

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1596546 1596547

Parameter	Units	50150125004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Toluene	ug/L	ND	50	50	55.6	50.5	110	100	44-140	10	20	
trans-1,2-Dichloroethene	ug/L	ND	50	50	69.0	52.2	138	104	50-139	28	20	R1
trans-1,3-Dichloropropene	ug/L	ND	50	50	63.3	56.2	127	112	37-138	12	20	
trans-1,4-Dichloro-2-butene	ug/L	ND	200	200	259	222	130	111	10-157	15	20	
Trichloroethene	ug/L	ND	50	50	60.6	54.5	121	109	44-146	11	20	
Trichlorofluoromethane	ug/L	ND	50	50	55.7	52.4	111	105	41-164	6	20	
Vinyl acetate	ug/L	ND	200	200	233	206	116	103	15-146	12	20	
Vinyl chloride	ug/L	ND	50	50	56.9	52.7	114	105	43-166	8	20	
Xylene (Total)	ug/L	ND	150	150	187	169	125	113	35-146	10	20	
4-Bromofluorobenzene (S)	%.						100	99	79-116			
Dibromofluoromethane (S)	%.						102	101	84-118			
Toluene-d8 (S)	%.						100	99	86-110			

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QUALITY CONTROL DATA

Project: 214 W. Patterson St. Lakeville
Pace Project No.: 50150125

QC Batch: 343183 Analysis Method: EPA 8270 by SIM LVE
QC Batch Method: EPA 3510 Analysis Description: 8270 Water PAH LV by SIM MSSV
Associated Lab Samples: 50150125001, 50150125002, 50150125003, 50150125004, 50150125005, 50150125006

METHOD BLANK: 1589579 Matrix: Water
Associated Lab Samples: 50150125001, 50150125002, 50150125003, 50150125004, 50150125005, 50150125006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	ND	1.0	07/22/16 13:36	N2
2-Methylnaphthalene	ug/L	ND	1.0	07/22/16 13:36	
Acenaphthene	ug/L	ND	1.0	07/22/16 13:36	
Acenaphthylene	ug/L	ND	1.0	07/22/16 13:36	
Anthracene	ug/L	ND	0.10	07/22/16 13:36	
Benzo(a)anthracene	ug/L	ND	0.10	07/22/16 13:36	
Benzo(a)pyrene	ug/L	ND	0.10	07/22/16 13:36	
Benzo(b)fluoranthene	ug/L	ND	0.10	07/22/16 13:36	
Benzo(g,h,i)perylene	ug/L	ND	0.10	07/22/16 13:36	
Benzo(k)fluoranthene	ug/L	ND	0.10	07/22/16 13:36	
Chrysene	ug/L	ND	0.50	07/22/16 13:36	
Dibenz(a,h)anthracene	ug/L	ND	0.10	07/22/16 13:36	
Fluoranthene	ug/L	ND	1.0	07/22/16 13:36	
Fluorene	ug/L	ND	1.0	07/22/16 13:36	
Indeno(1,2,3-cd)pyrene	ug/L	ND	0.10	07/22/16 13:36	
Naphthalene	ug/L	ND	1.0	07/22/16 13:36	
Phenanthrene	ug/L	ND	1.0	07/22/16 13:36	
Pyrene	ug/L	ND	1.0	07/22/16 13:36	
2-Fluorobiphenyl (S)	%.	58	18-117	07/22/16 13:36	
p-Terphenyl-d14 (S)	%.	66	10-112	07/22/16 13:36	

LABORATORY CONTROL SAMPLE: 1589580

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/L	10	3.8	38	35-115	N2
2-Methylnaphthalene	ug/L	10	3.6	36	25-120	
Acenaphthene	ug/L	10	4.6	46	37-129	
Acenaphthylene	ug/L	10	5.1	51	36-139	
Anthracene	ug/L	10	5.9	59	43-147	
Benzo(a)anthracene	ug/L	10	7.0	70	49-149	
Benzo(a)pyrene	ug/L	10	6.5	65	28-150	
Benzo(b)fluoranthene	ug/L	10	5.6	56	35-147	
Benzo(g,h,i)perylene	ug/L	10	6.3	63	15-133	
Benzo(k)fluoranthene	ug/L	10	6.9	69	24-149	
Chrysene	ug/L	10	7.0	70	45-139	
Dibenz(a,h)anthracene	ug/L	10	6.0	60	14-139	
Fluoranthene	ug/L	10	6.7	67	46-166	
Fluorene	ug/L	10	4.9	49	38-138	
Indeno(1,2,3-cd)pyrene	ug/L	10	6.1	61	17-139	
Naphthalene	ug/L	10	4.3	43	29-120	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
Not NELAP Accredited
4860 Blazer Parkway
Dublin, OH 43017
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: 214 W. Patterson St. Lakeville
Pace Project No.: 50150125

LABORATORY CONTROL SAMPLE: 1589580

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenanthrene	ug/L	10	6.0	60	48-145	
Pyrene	ug/L	10	6.9	69	48-152	
2-Fluorobiphenyl (S)	%.			37	18-117	
p-Terphenyl-d14 (S)	%.			48	10-112	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1589581 1589582

Parameter	Units	50150125004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1-Methylnaphthalene	ug/L	ND	10	10	3.0	2.8	30	27	16-121	8	20	N2
2-Methylnaphthalene	ug/L	ND	10	10	2.9	2.7	28	26	11-122	7	20	
Acenaphthene	ug/L	ND	10	10	3.8	3.7	38	37	14-137	3	20	
Acenaphthylene	ug/L	ND	10	10	4.6	4.4	46	44	17-141	4	20	
Anthracene	ug/L	ND	10	10	5.6	5.5	56	55	22-145	2	20	
Benzo(a)anthracene	ug/L	ND	10	10	5.6	5.8	56	58	16-128	3	20	
Benzo(a)pyrene	ug/L	ND	10	10	4.9	5.0	49	50	10-97	2	20	
Benzo(b)fluoranthene	ug/L	ND	10	10	3.9	4.3	39	43	10-103	9	20	
Benzo(g,h,i)perylene	ug/L	ND	10	10	4.1	4.4	41	44	10-70	8	20	
Benzo(k)fluoranthene	ug/L	ND	10	10	5.0	4.8	50	48	10-95	5	20	
Chrysene	ug/L	ND	10	10	5.2	5.6	52	56	15-118	7	20	
Dibenz(a,h)anthracene	ug/L	ND	10	10	4.2	4.6	42	46	10-73	9	20	
Fluoranthene	ug/L	ND	10	10	5.9	5.7	59	57	24-159	3	20	
Fluorene	ug/L	ND	10	10	4.8	4.6	48	46	19-140	3	20	
Indeno(1,2,3-cd)pyrene	ug/L	ND	10	10	4.2	4.6	42	46	10-74	8	20	
Naphthalene	ug/L	ND	10	10	3.5	3.6	33	34	10-132	1	20	
Phenanthrene	ug/L	ND	10	10	5.5	5.4	55	54	31-141	2	20	
Pyrene	ug/L	ND	10	10	5.7	5.8	57	58	29-144	1	20	
2-Fluorobiphenyl (S)	%.						38	37	18-117			
p-Terphenyl-d14 (S)	%.						33	32	10-112			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 214 W. Patterson St. Lakeville
Pace Project No.: 50150125

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

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.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

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 Calculable.

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

D4	Sample was diluted due to the presence of high levels of target analytes.
L0	Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
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.
R1	RPD value was outside control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 214 W. Patterson St. Lakeville
Pace Project No.: 50150125

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50150125001	**LV-GW-SB-1**	EPA 3010	343306	EPA 6010	343907
50150125002	**LV-GW-SB-2**	EPA 3010	343306	EPA 6010	343907
50150125003	**LV-GW-SB-3**	EPA 3010	343306	EPA 6010	343907
50150125004	**LV-GW-FD-1**	EPA 3010	343306	EPA 6010	343907
50150125005	**LV-GW-ERB**	EPA 3010	343306	EPA 6010	343907
50150125006	**Trip Blank**	EPA 3010	343306	EPA 6010	343907
50150125001	**LV-GW-SB-1**	EPA 3510	343183	EPA 8270 by SIM LVE	343222
50150125002	**LV-GW-SB-2**	EPA 3510	343183	EPA 8270 by SIM LVE	343222
50150125003	**LV-GW-SB-3**	EPA 3510	343183	EPA 8270 by SIM LVE	343222
50150125004	**LV-GW-FD-1**	EPA 3510	343183	EPA 8270 by SIM LVE	343222
50150125005	**LV-GW-ERB**	EPA 3510	343183	EPA 8270 by SIM LVE	343222
50150125006	**Trip Blank**	EPA 3510	343183	EPA 8270 by SIM LVE	343222
50150125001	**LV-GW-SB-1**	EPA 8260	344905		
50150125002	**LV-GW-SB-2**	EPA 8260	344708		
50150125003	**LV-GW-SB-3**	EPA 8260	344905		
50150125004	**LV-GW-FD-1**	EPA 8260	344905		
50150125005	**LV-GW-ERB**	EPA 8260	344905		
50150125006	**Trip Blank**	EPA 8260	344905		

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: 1 of 1

Section A — Required Client Information:

Company:	Heartland Environmental Assoc.
Address:	3410 Mishawaka Ave.
	South Bend, IN 46615
Email To:	bsima@heartlandenv.com
Phone: (574) 289-1191	Fax: (574) 289-7480
Requested Due Date/TAT:	Normal

Section B — Required Project Information:

Report To:	Nivas Vijay
Copy To:	
Purchase Order No.:	
Project Name:	214 W. Patterson St.,Lakeville,IN
Project Number:	5200-16-06:03

Section C — Invoice Information:

Attention:	(Same)
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	
Pace Profile #:	

REGULATORY AGENCY: ☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: IN

Section D — Required Client Information

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

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW WT
WATER	WW
WASTE WATER	P
PRODUCT	SL
SOIL/SOLID	OL
OIL	WP
WIPE	AR
AIR	OT
OTHER	TS
TISSUE	

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	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	VOC (8260)	PAH by 8270 Sim(low vol	Total Lead 6010B	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	LV-GW-SB-1	W	G			07/20/16	11:55		5	2		1	3					X	X	X		
2	LV-GW-SB-2	W	G			07/20/16	10:05		5	2		1	3					X	X	X		
3	LV-GW-SB-3	W	G			07/20/16	11:25		5	2		1	3					X	X	X		
4	LV-GW-FD-1 + MS/DMS	W	G			07/20/16	10:50		5	2		1	3					X	X	X		
5	LV-GW-ERB	W	G			06/08/16	12:35		5	2		1	3					X	X	X		
6	Trip Blank	W	G			06/08/16			5	2		1	3					X	X	X		
7																							
8																							
9																							
10																							
11																							
12																							

SOIS0125

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	David Nye / Heartland Environmental	7/20/16	16:00	Fed Ex	7/20/16	16:00				
	Fed Ex				7-21-16	835	3.0	Y	Y	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: David M. Nye

SIGNATURE of SAMPLER: David M. Nye — DATE Signed (MM/DD/YY): 7/20/16

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.

Sample Condition Upon Receipt

Pace Analytical

Client Name: Northland Env Project # 50150125

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

Tracking #: 6907 5116 3561

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 Ziploc

Thermometer 1 2 3 4 5 6 A B C D E F

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

Cooler Temperature (Initial/Corrected) 3.0/3.0

Ice Visible in Sample Containers: ☐ yes ☑ no

Temp should be above freezing to 6°C

Comments:

Date and Initials of person examining contents: NS 7-21-16

Are samples from West Virginia? Document any containers out of temp.	☐Yes	☑No		1.
Chain of Custody Present:	☑Yes	☐No	☐N/A	2.
Chain of Custody Filled Out:	☑Yes	☐No	☐N/A	3.
Chain of Custody Relinquished:	☑Yes	☐No	☐N/A	4.
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes	☑No	☐N/A	6.
Rush Turn Around Time Requested:	☐Yes	☑No	☐N/A	7.
Containers Intact:	☑Yes	☐No	☐N/A	8.
Sample Labels match COC: -Includes date/time/ID/Analysis	☑Yes	☐No	☐N/A	9.
All containers needing acid/base pres. have been checked? exceptions: VOA, coliform, TOC, O&G	☑Yes	☐No	☐N/A	10 (Circle) HNO3 H2SO4 NaOH NaOH/ZnAc
All containers needing preservation are found to be in compliance with EPA recommendation (<2, >9, >12) unless otherwise noted.				SB-1 (1-bottle) SB-3 (1-bottle)
Residual Chlorine Check (SVOC 625 Pest/PCB 608)				11. Present Absent
Residual Chlorine Check (Total/Amenable/Free Cyanide)				12. Present Absent
Headspace in VOA Vials (>6mm):	☐Yes	☑No	☐N/A	13
Headspace Wisconsin Sulfide	☐Yes	☐No		14
Trip Blank Present:	☑Yes	☐No	☐N/A	15
Trip Blank Custody Seals Present	☑Yes	☐No	☐N/A	
Project Manager Review				
Samples Arrived within Hold Time:	☑Yes	☐No	☐N/A	15.
Sufficient Volume:	☑Yes	☐No	☐N/A	16.
Correct Containers Used:	☑Yes	☐No	☐N/A	17.

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution:

Project Manager Review: CMB **Date:** 7-22-16

Form F-IN-Q-290-rev.09, 13Oct2015

Sample Container Count

CLIENT: Heartland Env

COC PAGE 1 of 1

COC ID# _____ Project # _____

Sample Line Item	DG9H	AG1U	WGFU	AG0U	R	4 / 6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	BP3C	BP1U	SP5T	AG2U					pH <2	pH >9	pH>12
1	3			2						1													7		
2	↓			↓						↓													✓		
3	↓			↓						↓													7		
4	9			6						3													✓		
5	3			2						1													✓		
6	3			2						1								Trip Blank					✓		
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 glass	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	SP5T	120mL Coliform Na Thiosulfate
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 glass	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber glass	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 glass	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