UNDERGROUND STORAGE TANK SYSTEMS CLOSURE REPORT

State Form 56554 (R4 / 5-23)
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
PETROLEUM BRANCH

RETURN COMPLETED FORMS TO:
Indiana Department of Environmental Management
USTRegistration@idem.in.gov

Facility ID Number: **6550**

The information requested is required by 329 IAC 9. This form should only be used for facilities previously registered with the IDEM Underground Storage Tank program.

A TYPE OF CLOSURE *(Check all that apply)*

Tank(s)		Piping		Dispenser(s)	
☐	Removal	☒	Removal	☐	Removal
☒	In-Place	☐	In-Place		
☐	Change-In-Service	☐	Change-In-Service	☐	Replacement
Number of tanks closed: 2		Number of lines closed: 2		Number of dispensers closed: 0	

B FACILITY NAME / LOCATION

FACILITY NAME	LATITUDE *(37.710101 to 41.866773)*	LONGITUDE *(-88.165351 to -84.671035)*
Road Ranger 226	39.613466	-86.070319

FACILITY ADDRESS *(number and street)*	PARCEL NUMBER(S)
1615 East Main Street	

CITY	STATE	ZIP CODE	COUNTY	TELEPHONE NUMBER
Greenwood	IN	46143	Johnson	(317) 315-4987

C PREPARED BY

PREFIX	FIRST NAME	MI	LAST NAME	SUFFIX
	Phil		Schlak	

ADDRESS	CITY	STATE	ZIP CODE
7988 Centerpoint Drive, Suite 100	Indianapolis	Indiana	46256

TELEPHONE NUMBER	JOB TITLE	EMAIL ADDRESS
(317) 849-4990	Senior Manager / Engineer	phil.schlak@oneatlas.com

D UST OWNER

TYPE OF OWNER

☒	Federal Government	☐	State Government	☐	City / Local Government
☐	Commercial	☐	Private	☐	Other:

Option 1: UST OWNER NAME *(Business Name as registered with the Secretary of State)*	BUSINESS ID *(From the Secretary of State)*
Road Ranger LLC	2002122300195
Option 2: UST OWNER NAME *(If a Public Agency or other entity)*	

Option 3: UST OWNER NAME *(If in Individual Capacity)*

PREFIX	FIRST NAME	MI	LAST NAME	SUFFIX

UST OWNER ADDRESS (Listed in Options 1-3)

PRINCIPAL OFFICE ADDRESS or PRIMARY RESIDENTAL ADDRESS *(Number and Street, no P.O. Box)*	ADDRESS *(line 2)*
1501 Woodfield Road, Suite 300S	

CITY	STATE	ZIP CODE	EFFECTIVE DATE OF OWNERSHIP *(MM/DD/YYYY)*
Schaumburg	IL	60173	

TELEPHONE NUMBER	EMAIL ADDRESS *(Option 3 Individual Capacity)*	JOB TITLE *(Option 3 Individual Capacity)*
(815) 387-1408		

CONTACT FOR BUSINESS / PUBLIC AGENCY (Listed in Option 1 or 2)

PREFIX	FIRST NAME	MI	LAST NAME	SUFFIX
	John		Carabelli	

PRINCIPAL OFFICE ADDRESS or PRIMARY RESIDENTAL ADDRESS *(Number and Street, no P.O. Box)*	ADDRESS *(line 2)*
1501 Woodfield Road, Suite 300S	

CITY	STATE	ZIP CODE	JOB TITLE
Schaumburg	IL	60173	Vice President of Construction

TELEPHONE NUMBER	EMAIL ADDRESS
(815) 387-1408	jcarabelli@roadrangerusa.com

FACILITY ID NUMBER	FACILITY NAME
6550	Road Ranger 226

E UST OPERATOR

TYPE OF OPERATOR

☐ Federal Government	☐ State Government	☐ City / Local Government
☒ Commercial	☐ Private	☐ Other:

Option 1: UST OPERATOR NAME (*Business Name as registered with the Secretary of State*)	BUSINESS ID (*From the Secretary of State*)
Road Ranger 226	2002122300195
Option 2: UST OPERATOR NAME (*If a Public Agency or other entity*)	

Option 3: UST OPERATOR NAME (*If in Individual Capacity*)

PREFIX	FIRST NAME	MI	LAST NAME	SUFFIX

UST OPERATOR ADDRESS (Listed in Options 1-3)

PRINCIPAL OFFICE ADDRESS or PRIMARY RESIDENTAL ADDRESS (*Number and Street, no P.O. Box*)	ADDRESS (*line 2*)
1501 Woodfield Road, Suite 300S	

CITY	STATE	ZIP CODE	DATE BEGAN OPERATING (*MM/DD/YYYY*)
Schaumburg	IL	60173	

TELEPHONE NUMBER	EMAIL ADDRESS (*Option 3 Individual Capacity*)	JOB TITLE (*Option 3 Individual Capacity*)
(815) 387-1408		

CONTACT FOR BUSINESS / PUBLIC AGENCY (Listed in Option 1 or 2)

PREFIX	FIRST NAME	MI	LAST NAME	SUFFIX
	John		Carabelli	

PRINCIPAL OFFICE ADDRESS or PRIMARY RESIDENTAL ADDRESS (*Number and Street, no P.O. Box*)	ADDRESS (*line 2*)
1501 Woodfield Road, Suite 300S	

CITY	STATE	ZIP CODE	JOB TITLE
Schaumburg	IL	60173	Vice President of Construction

TELEPHONE NUMBER	EMAIL ADDRESS
(815) 387-1408	jcarabelli@roadrangerusa.com

F DEEDED PROPERTY OWNER

TYPE OF OWNER

☐ Federal Government	☐ State Government	☐ City / Local Government
☐ Commercial	☒ Private	☐ Other:

Option 1: PROPERTY OWNER NAME (*Business Name as registered with the Secretary of State*)	BUSINESS ID (*From the Secretary of State*)
IndyCorp Inc.	1991121066
Option 2: PROPERTY OWNER NAME (*If a Public Agency or other entity*)	

Option 3: PROPERTY OWNER NAME (*If in Individual Capacity*)

PREFIX	FIRST NAME	MI	LAST NAME	SUFFIX

PROPERTY OWNER ADDRESS (Listed in Options 1-3)

PRINCIPAL OFFICE ADDRESS or PRIMARY RESIDENTAL ADDRESS (*Number and Street, no P.O. Box*)	ADDRESS (*line 2*)
1763 South Graham Road	

CITY	STATE	ZIP CODE	EFFECTIVE DATE OF OWNERSHIP (*MM/DD/YYYY*)
Greenwood	IN	46143	

TELEPHONE NUMBER	EMAIL ADDRESS (*Option 3 Individual Capacity*)	JOB TITLE (*Option 3 Individual Capacity*)
(317) 889-5889		

CONTACT FOR BUSINESS / PUBLIC AGENCY (Listed in Option 1 or 2)

PREFIX	FIRST NAME	MI	LAST NAME	SUFFIX
	Robert	L	Davis	

PRINCIPAL OFFICE ADDRESS or PRIMARY RESIDENTAL ADDRESS (*Number and Street, no P.O. Box*)	ADDRESS (*line 2*)
1763 South Graham Road	

CITY	STATE	ZIP CODE	JOB TITLE
Greenwood	IN	46143	Owner

TELEPHONE NUMBER	EMAIL ADDRESS
(317) 889-5889	Indycorpinc@gmail.com

FACILITY ID NUMBER	FACILITY NAME
6550	Road Ranger 226

G ACTIVE LAND CONTRACT PROPERTY OWNER *(If applicable)*

TYPE OF OWNER

☐ Federal Government	☐ State Government	☐ City / Local Government
☐ Commercial	☐ Private	☐ Other:

Option 1: PROPERTY OWNER NAME *(Business Name as registered with the Secretary of State)*	BUSINESS ID *(From the Secretary of State)*
Option 2: PROPERTY OWNER NAME *(If a Public Agency or other entity)*	

Option 3: PROPERTY OWNER NAME *(If in Individual Capacity)*

PREFIX	FIRST NAME	MI	LAST NAME	SUFFIX

PROPERTY OWNER ADDRESS (Listed in Options 1-3)

PRINCIPAL OFFICE ADDRESS or PRIMARY RESIDENTAL ADDRESS *(Number and Street, no P.O. Box)*	ADDRESS *(line 2)*

CITY	STATE	ZIP CODE	EFFECTIVE DATE OF OWNERSHIP *(MM/DD/YYYY)*

TELEPHONE NUMBER	JOB TITLE	EMAIL ADDRESS *(Option 3 Individual Capacity)*	PROPOSED END DATE *(MM/DD/YYYY)*

CONTACT FOR BUSINESS / PUBLIC AGENCY (Listed in Option 1 or 2)

PREFIX	FIRST NAME	MI	LAST NAME	SUFFIX

PRINCIPAL OFFICE ADDRESS or PRIMARY RESIDENTAL ADDRESS *(Number and Street, no P.O. Box)*	ADDRESS *(line 2)*

CITY	STATE	ZIP CODE	JOB TITLE

TELEPHONE NUMBER	EMAIL ADDRESS

H CONTRACTOR

CONTRACTOR BUSINESS NAME *(Business Name as registered with the Secretary of State)*	BUSINESS ID *(From the Secretary of State)*
Midwest Maintenance and Construction	

CERTIFIED INDIVIDUAL NAME

PREFIX	FIRST NAME	MI	LAST NAME	SUFFIX
	Jon		Powers	

PRINCIPAL OFFICE ADDRESS or PRIMARY RESIDENTAL ADDRESS *(Number and Street, no P.O. Box)*	ADDRESS *(line 2)*
585 Sayre Ct.	

CITY	STATE	ZIP CODE	IDHS CERTIFICATION NUMBER
Greenwood	IN	46143	UC2014IN10139

TELEPHONE NUMBER	EMAIL ADDRESS
(317) 885-9911	jpowers@midwest-maint.com

I POTENTIALLY INTERESTED PARTIES

INTERESTED PARTY NAME	E-MAIL ADDRESS
INTERESTED PARTY NAME	E-MAIL ADDRESS
INTERESTED PARTY NAME	E-MAIL ADDRESS

J LUST INCIDENT INFORMATION

LUST INCIDENT NUMBER (IF APPLICABLE)	DATE INCIDENT REPORTED (mm/dd/yyyy)
202302508	02/14/2023
LUST INCIDENT NUMBER (IF APPLICABLE)	DATE INCIDENT REPORTED (mm/dd/yyyy)
LUST INCIDENT NUMBER (IF APPLICABLE)	DATE INCIDENT REPORTED (mm/dd/yyyy)

FACILITY ID NUMBER	FACILITY NAME
6550	Road Ranger 226

K UST INFORMATION

Number of regulated tanks onsite before closure: 7

Were any additional USTs discovered during UST Closure? ☐ Yes ☒ No *If yes, how many?*

For all tanks that have been closed, list the requested info below and do not leave any space blank. Attach an additional sheet if needed.

UST Substance

GSL - Gasoline | **DSL** - Diesel | **DSB** - Diesel Containing >20% Biodiesel | **VGL** - Virgin Oil | **UOL** - Used Oil | **KER** - Kerosene

E85 - E85 Gasoline Blend | **E15** - E15 Gasoline Blend | **RCF** - Racing Fuel (leaded) | **AVG** - AV Gas (leaded) | **MXT** - Mixture of Substances *(List Substances)* | **OTH** - Other *(specify)*

UST Construction Material

STL - Steel | **FRP** - Fiberglass | **STC**- Steel Clad | **STJ**- Steel Jacketed | **DBW** - Double-walled | **OTH** - Other

UST Closure Type

RMV - Removed | **IPC** - In-Place Closure | **CIS** - Change-in-Service

UST #	Compart #	Capacity in Gallons	Substance (Last used, past)	Construction Material	Install Date (mm/dd/yyyy)	Date Last Used (mm/dd/yyyy)	Closure Date (mm/dd/yyyy)	Closure Type
15		20,000	DSL	FRP	02/01/2001	06/23/2020	12/20/2023	IPC
16		20,000	DSL	FRP	02/01/2001	06/23/2020	12/20/2023	IPC

Please justify In-Place Closure:

Closing USTs between active USTs in same cavity.

FACILITY ID NUMBER	FACILITY NAME
6550	Road Ranger 226

L PIPING INFORMATION

If more than one piping line is present, then all lines shall be numbered. For all product lines closed, list the piping number, piping length (in feet based upon field measurements between tanks and dispensers, as well as, between dispenser islands), identify the product distributed through each line, and identify piping material and type. List all Piping Materials that apply. All piping numbers should also be included on the Facility Site Map. Attach an additional sheet if necessary.

Piping Substance

GSL - Gasoline | **DSL** - Diesel | **DSB** - Diesel Containing >20% Biodiesel | **VGL** - Virgin Oil | **UOL** - Used Oil | **KER** - Kerosene

E85 - E85 Gasoline Blend | **E15** - E15 Gasoline Blend | **RCF** - Racing Fuel (leaded) | **AVG** - AV Gas (leaded) | **MXT** - Mixture of Substances *(List Substances)* | **OTH** - Other *(specify)*

Piping Construction Material

FRP - Fiberglass Reinforced Plastic | **FXP** - Fiberglass Composite / Plastic | **AHP** - Airport Hydrant Piping | **CP** - Copper | **STL** - Steel | **OTH** - Other

Piping Closure Type

RMV - Removed | **IPC** - In-Place Closure | **CIS** - Change-in-Service

Piping #	Piping Run Length (feet)	Substance (Last used, past)	Construction Material	Install Date (mm/dd/yyyy)	Date Last Used (mm/dd/yyyy)	Closure Date (mm/dd/yyyy)	Closure Type	UST #	Compartment #
	25	DSL	FRP	02/01/2001	12/18/2023	12/20/2023	RMV	15-16	

Overall number of elbows and connectors:

Please justify In-Place Closure:

FACILITY ID NUMBER	FACILITY NAME
6550	Road Ranger 226

M DISPENSER INFORMATION *(If applicable)*

For all dispensers closed, list the dispenser number, product(s) dispensed, and date last used. Attach an additional sheet if necessary.

Product Dispensed

GSL - Gasoline | **DSL** - Diesel | **DSB** - Diesel Containing >20% Biodiesel | **VGL** - Virgin Oil | **UOL** - Used Oil | **KER** - Kerosene

E85 - E85 Gasoline Blend | **E15** - E15 Gasoline Blend | **RCF** - Racing Fuel (leaded) | **AVG** - AV Gas (leaded) | **MXT** - Mixture of Substances *(List Substances)* | **OTH** - Other *(specify)*

Dispenser Closure Type

RMV - Removed | **IPC** - In-Place Closure | **CIS** - Change-in-Service

Dispenser Number	Products Dispensed	Install Date (mm/dd/yyyy)	Date Last Used (mm/dd/yyyy)	Removal Date (mm/dd/yyyy)	Replacement Date (mm/dd/yyyy)	Closure Type

N STORAGE AND DISPOSAL

Method of liquid and/or sludge storage:

The remaining fuels and sludge in the USTs were extracted via vacuum truck and properly disposed.

Method of liquid and/or sludge disposal:

Recycling at Valicor Environmental Services in Dayton, Ohio

Location of UST system storage/disposal:

FACILITY ID NUMBER	FACILITY NAME
6550	Road Ranger 226

O UST REMOVAL

Only complete this section if the tank(s) and/or piping were removed during closure.

☐	Cut up for disposal	☐	Stored on site	☐	Stored off site
☐	Other:				

Amount of backfill material initially removed during UST system closure: Approximately 80-100 cubic yards of pea gravel			
Was there overexcavation that took place after removal of the UST system?	☐	Yes	☒ No
Amount of material overexcavated after removal of the UST system:			
After overexcavation, was free product present in the tank pit or piping runs?	☐	Yes	☒ No
Was bedrock encountered during UST system removal?	☐	Yes	☒ No
Was all contaminated material above the applicable screening levels excavated?	☐	Yes	☒ No

If all contaminated material was not excavated, explain:

The soil excavated from the piping areas was disposed at the Waste Management Crossroads EcoCenter. The soil was excavated as needed to remove and replace the piping. Overexcavation was not conducted.

After tank removal, what material was used to backfill the excavation?

☐	Gravel/Crushed Rock	☐	Clean Soil Fill	☐	Excavated Soil Pile
☒	Other: Pea Gravel	☐	Not Applicable:		

If water was encountered during excavation of the UST system, complete the following questions

Was water removed during excavation?	☒	Yes	☐ No
What was the amount of the water removed from the excavation?			
Was the water sampled?	☐	Yes	☒ No

If water was not sampled, explain:

The water was removed from the UST cavity via vacuum trucks to facilitate the UST closure and to not allow the USTs to float within the UST cavity. The water was not exposed to sample.

Method of water disposal:

If contamination above screening level was encountered, then based on visual inspection of the UST components during removal, which component(s) appears to have failed causing the contamination? *(Check all that apply)*

☒	Piping *(including joints)*	☐	Vent Lines *(including joints)*	☐	Tanks
☐	Spill/Overfill Equipment	☐	Dispensers *(including flex connectors)*	☐	Line Leak Detectors
☐	Submersible Pump Heads	☐	None	☐	Other:

Provide specific details about what was observed:

If other, please explain:

Based on the response above, what action or process appears to have caused the contamination? *(Check all that apply)*

☐	Spill(s)	☐	Overfill(s)	☒	Pipe and/or Joint Failure
☐	Human Error	☐	Corrosion	☐	Mechanical Failure
☐	Unknown	☐	Other:		

FACILITY ID NUMBER	FACILITY NAME
6550	Road Ranger 226

P IN-PLACE CLOSURE

Only complete if the tank and/or piping were not removed during closure.

What inert solid material was used to fill the tank(s) and/or piping:

☐ Sand	☐ Sand/Soil	☐ Concrete
☐ Concrete/ Bentonite	☒ Other: pea gravel and flowable fill	

Was water encountered in the soil boring(s) during in-place closure?	☒	Yes	☐	No
Was bedrock encountered during UST system in-place closure?	☐	Yes	☒	No

Q LABORATORY INFORMATION

Laboratory Name	Soil	Water
Pace Analytical Services, LLC	☒	☒
	☐	☐
	☐	☐

R SOIL SCREENING LEVELS AND ANALYTICAL RESULTS

Type of backfill originally used: Pea Gravel/Sand

Native soil type description: Clay/Silt/Sand

Number of samples taken: 19

Was the contaminant concentration for any soil sample collected after removal, in-place closure, or over-excavation reported above laboratory detection limits? *If yes, a release must be reported to the Petroleum Remediation Section.*	☒	Yes	☐	No

S GROUND WATER SCREENING LEVELS AND ANALYTICAL RESULTS

Number of samples taken: 6

Was the contaminant concentration for any groundwater sample collected after removal, in-place closure, or over-excavation reported above laboratory detection limits? *If yes, a release must be reported to the Petroleum Remediation Section.*	☒	Yes	☐	No

T EXCAVATED SOIL/STOCKPILED SOIL ANALYTICAL RESULTS

Number of samples taken: 1

Was the contaminant concentration for any excavated/stockpiled soil sample collected after removal, in-place closure, or over-excavation reported above laboratory detection limits? *If yes, a release must be reported to the Petroleum Remediation Section.*	☒	Yes	☐	No

Provide detailed comments for any unique circumstances that need to be described:

The conditions encountered are part of the existing release that is being investigated and monitored.

FACILITY ID NUMBER	FACILITY NAME
6550	Road Ranger 226

U HISTORIC SITE OPERATIONS INFORMATION

OWNERS OR OPERATORS DURING THE LAST TWENTY-FIVE (25) YEARS STARTING FROM THE PRESENT (Include 'From' and 'To' ownership dates as well as names and addresses)

DATE *(FROM)*	DATE *(TO)*	OWNER NAME	OWNER ADDRESS *(number and street, city, state and ZIP code)*
1974	Current	IndyCorp., LLC	1763 South Graham Road, Greenwood, Indiana, 46143

TYPE OF FACILITY, PAST AND CURRENT OPERATIONS

Current - Road Ranger convenience store, retail fueling station, and truck stop facility.
Past - Unkown prior to 1974.

V SITE INFORMATION

SITE COVERAGE *(Check all that apply)*

☐ Turf ☒ Concrete ☒ Asphalt
☐ Other:

SITE PROXIMITY TO HUMAN AND/OR ENVIRONMENTALY SENSITIVE AREAS, SUCH AS RESIDENCES, SCHOOLS, WELLS, WELL FIELDS, OR WELLHEAD PROTECTION AREAS

There are no churches, daycares, hospitals, schools, or recreational parks located within a 0.5 mile radius of the on-Site UST tank basin. The nearest residence is located approximately 703 feet to the southeast of the on-Site UST tank basin.

A records search of government databases indicated the Site is not located within one-quarter mile of state parks, wildlife refuges, state nature preserves, or critical habitats. According to the U.S. Fish & Wildlife Service National Wetlands Inventory Wetland Mapper, freshwater ponds and a riverine are located within a 0.5 mile radius of the Site, these include various retention ponds and Grassy Creek. According to the IDEM's Source Water Proximity Determination Tool, the Site is not located within a Wellhead Protection Area nor a Source Water Area.

INFORMATION ON ANY PREVIOUSLY CLOSED UST SYSTEM (VFC NUMBER), SUCH AS THE DATE CLOSED AND THE NUMBER, SIZE, AND PRODUCT STORED. *PROVIDE VFC DOCUMENT NUMBER OR ATTACH CLOSED SYSTEM FILES IF NECESSARY.*

FACILITY ID NUMBER	FACILITY NAME
6550	Road Ranger 226

W **CLOSURE REPORT DOCUMENT SHOULD BE ARRANGED AS FOLLOWS:**

1) UST Closure Report, State Form 56554
2) Site specific map with illustrated legends and compass directions and at appropriate scale to show site details:

   - Drainage features, surface slope or surface water run-off direction
   - Identified aboveground features: such as buildings, roadways, manways, pump islands, and utility and property lines
   - Identified subsurface features: such as tanks and excavation pit, piping, and utility conduits
   - Site surroundings: such as adjacent buildings, businesses, or human and environmentally sensitive areas, such as residences, schools, wells, well fields, or wellhead protection areas delineated in 327 IAC 8-4.1
   - Location of active and previously closed tanks as applicable

3) Sampling locations map:

   - Locations where samples were taken, soil borings advanced, and monitoring wells installed

4) Leak detection results *(Owner must attach copies of the last twelve (12) months of release detection records for the closed systems or explain above why records are not attached.)*
5) Most recent tanks and line tightness testing results
6) Leak detection methods used for tanks and piping *(Owner must list what forms of release detection were in use for all systems closed during this closure.)*
7) Table showing the field screening values and lab values of each sample
8) QA/QC sample collection and laboratory methods
9) Laboratory data and chain of custody
10) Boring logs *(if needed)*
11) Disposal documentation such as sludge, removed UST(s), removed piping, soil and water
12) Photo documentation *(Optional)*

FACILITY ID NUMBER	TRANSACTION ID - FOR STATE USE ONLY
6550	

UST OWNER CERTIFICATION

I swear or affirm, under penalty of perjury as specified by IC 35-44.1-2-1 and other penalties specified by IC 13-30-10 and IC 13-23-14-2, that the statements and representations in this document are true, accurate, and complete. I further certify compliance with the following requirements in accordance with 329 IAC 9-2-2(e):
(1) Installation of all tanks and piping under 40 CFR 280.20.
(2) Cathodic protection of steel tanks and piping under 40 CFR 280.20.
(3) Release detection under 40 CFR 280 Subpart D.
(4) Financial responsibility under 329 IAC 9-8.

OWNER'S AUTHORIZED REPRESENTATIVE *(Print or Type)*

PREFIX	FIRST NAME	MI	LAST NAME	SUFFIX
	John		Carabelli	

TITLE OF AUTHORIZED REPRESENTATIVE	COMPANY NAME *(If Individual Leave Blank)*
Vice President of Construction	Road Ranger LLC

SIGNATURE	DATE *(MM/DD/YYYY)*
John Carabelli Digitally signed by John Carabelli Date: 2024.04.30 11:26:52 -05'00'	

UST OPERATOR CERTIFICATION

I swear or affirm, under penalty of perjury as specified by IC 35-44.1-2-1 and other penalties specified by IC 13-30-10 and IC 13-23-14-2, that the statements and representations in this document are true, accurate, and complete. I further certify compliance with the following requirements in accordance with 329 IAC 9-2-2(e):
(1) Installation of all tanks and piping under 40 CFR 280.20.
(2) Cathodic protection of steel tanks and piping under 40 CFR 280.20.
(3) Release detection under 40 CFR 280 Subpart D.
(4) Financial responsibility under 329 IAC 9-8.

OPERATOR'S AUTHORIZED REPRESENTATIVE *(Print or Type)*

PREFIX	FIRST NAME	MI	LAST NAME	SUFFIX
	John		Carabellli	

TITLE OF AUTHORIZED REPRESENTATIVE	COMPANY NAME *(If Individual Leave Blank)*
Vice President of Construction	Road Ranger LLC

SIGNATURE	DATE *(MM/DD/YYYY)*
John Carabelli Digitally signed by John Carabelli Date: 2024.04.30 11:27:05 -05'00'	

CONTRACTOR CERTIFICATION

CERTIFIED INDIVIDUAL NAME

PREFIX	FIRST NAME	MI	LAST NAME	SUFFIX
	Jon		Powers	

OATH: I swear or affirm, under penalty of perjury as specified by IC 35-44.1-2-1 and other penalties specified by IC 13-30-10 and IC 13-23-14-2, that work performed on the UST system complies with methods specified in 329 IAC 9 and 40 CFR 280, Subpart C.

SIGNATURE	EMAIL ADDRESS	DATE *(MM/DD/YYYY)*
Jonathon Powers Digitally signed by Jonathon Powers Date: 2024.04.30 12:58:55 -04'00'	jpowers@midwest-maint.com	04/30/2024

UNDERGROUND STORAGE TANK CLOSURE REPORT

ROAD RANGER STORE NO. 226

1615 EAST MAIN STREET
GREENWOOD, JOHNSON COUNTY, INDIANA 46143
IDEM FACILITY ID NO. 6550
IDEM LUST INCIDENT NO. 202302508

PREPARED FOR:

Road Ranger LLC
1501 Woodfield Road, Suite 3005
Schaumburg, Illinois 60173

PREPARED BY:

Atlas Technical Consultants LLC
7988 Centerpoint Drive, Suite 100
Indianapolis, IN 46256

June 28, 2024

7988 Centerpoint Drive, Suite 100
Indianapolis, Indiana 46256
(317) 849-4990 | oneatlas.com

June 28, 2024

Atlas Project # 170EM01168

Via Electronic Mail

Nawal Hopkins
Indiana Department of Environmental Management
Petroleum Branch
USTRegistration@idem.in.gov

Subject: **Underground Storage Tank Closure Report**
Road Ranger Store No. 226
1615 East Main Street
Greenwood, Indiana 46143
IDEM Facility ID No. 6550
IDEM LUST Incident No. 202302508

Dear Ms. Nawal:

Atlas Technical Consultants LLC, on behalf of Road Ranger LLC, is pleased to provide the Indiana Department of Environmental Management (IDEM) with this report documenting the in-place closure of two 20,000-gallon diesel fuel underground storage tanks (UST) and the removal and replacement of associated diesel fuel product piping and diesel fuel valve sump containment at the above-referenced facility (Site). The following document has been formatted to meet the IDEM UST closure reporting requirements. The work performed and the observations and results are provided in this submittal.

If you have any questions concerning the information contained in this report, please feel free to contact either of the undersigned.

Respectfully submitted,
Atlas Technical Consultants LLC

Katie Van Hoy
Staff Scientist
Katie.vanhoy@oneatlas.com

Phil Schlak
Senior Manager / Engineer
Phil.schlak@oneatlas.com l

Distribution: Nawal Hopkins, nhopkins@idem.IN.gov
Lauren Welch, lwelch@idem.IN.gov
John Carabelli, jcarabelli@roadrangerusa.com

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TABLES

FIGURES

APPENDICES

EXECUTIVE SUMMARY

Atlas Technical Consultants LLC (ATLAS), on behalf of Road Ranger LLC (Road Ranger), provided oversight, sampling, and documentation of the in-place closure of two 20,000-gallon diesel fuel underground storage tanks (USTs) and the replacement of associated product piping and sump containment at Road Ranger Store #226 (the Site). The site is located at 1615 East Main Street, Greenwood, Johnson County, Indiana.

On December 18 and 19, 2023, Atlas and Midwest Maintenance and Construction of Greenwood, Indiana, were on site to conduct the diesel UST in-place closure activities. The two 20,000-gallon diesel fuel USTs have been out of service since June 23, 2020. Midwest Maintenance and Construction exposed the top of the USTs to conduct the final fluids removal and cleaning activities.

On December 20, 2023, Atlas and Midwest Maintenance and Construction were on-site to complete the in-place closure of the two 20,000-gallon diesel fuel USTs. The USTs were filled with pea gravel and topped with flowable fill and capped. Midwest Maintenance and Construction completed the removal of the commercial truck diesel fuel piping from the USTs to the valve and sump containment. The diesel fuel piping, valve, and sump containment were replaced. One soil sample was collected from beneath the diesel fuel piping and one soil sample was collected beneath the valve sump containment. On December 21, 2023, one soil sample was collected from the pea gravel and native soil that was excavated to expose and remove the diesel fuel piping and valve sump containment.

On February 27, 2024, Atlas and SCS Environmental Contracting were on-site to perform the drilling and sampling services for the two 20,000-gallon diesel fuel UST in-place closure. The Indiana Department of Environmental Management (IDEM) UST Closure Coordinator, Nawal Hopkins, was on-site to oversee the drilling activities. Four soil borings were advanced, immediately east and west of the diesel fuel USTs. Additionally, two soil borings were advanced immediately north and south of the UST cavity. The soil borings were advanced from 16 to 20 feet below ground surface (ft-bgs). Seventeen soil samples were collected from the soil borings. Groundwater samples were collected from each of the soil borings.

Based on the soil analytical results, various chemicals of concern were detected at concentrations above the laboratory reporting limits, but were below the IDEM Remediation Closure Guide (R2) Published Screening Levels (PLs) in the soil samples collected during the diesel fuel UST in-place closure activities.

Based on the groundwater analytical results, various chemicals of concern were detected at concentrations exceeding their applicable IDEM R2 GWPLs in the water samples collected from B-10-WT, B-11-WT, B-12-WT, and B-15-WT: 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, 1-methylnaphthalene, 2-methylnaphthalene, pyrene and total lead. Other chemicals of concern were detected at concentrations exceeding the laboratory reporting limits, but below their applicable IDEM R2 GWPLs in the water samples associated with the UST closure.

The observed conditions appear to be associated with the recent release of diesel fuel within the UST cavity. The conditions were reported and documented in relation to IDEM Incident Number 203202508. The conditions presented within this report represent the conditions

immediately surrounding the UST cavity and the diesel fuel piping. The adsorbed and dissolved hydrocarbon concentrations appear to remain delineated as discovered during the initial site characterization (ISC) activities conducted in 2023 and presented in the *ISC Report*, dated November 2, 2023. Quarterly groundwater monitoring is being conducted in relation to IDEM Incident Number 202302508. Further environmental investigations do not appear warranted for the UST closure activities.

1. RESPONSIBLE PARTY AND SITE OWNERSHIP INFORMATION

1.1 UST Owner Information

UST Owner Entity Number:	20418
UST Owner Company Name:	Road Ranger LLC
Mailing Address:	1501 Woodfield Road, Suite 3005
City, State, Zip Code:	Schaumburg, Illinois 60173
Area Code / Telephone Number:	(815) 387-1700
Contact Person:	Mr. John Carabelli, V.P. of Construction

1.2 UST Operator Information

Same as above.

1.3 Property Owner Information

Deeded Property Owner Name:	Indy Corp Inc.
Mailing Address:	1763 South Graham Road
City, State, Zip Code:	Greenwood, Indiana 46143
Area Code / Telephone Number:	(317) 889-5889
Contact Person:	Robert Davis

1.4 Past Owners and Operators

The Site consists of six parcels owned by Indy Corp., Inc. Road Ranger LLC leases a portion of the Site for the retail fuel sales, truck stop, and convenience store. Indy Corp., Inc. acquired the property in 1974 (previous owner unknown prior to 1974). The property is zoned as commercial and Site usage is anticipated to remain as a petroleum service station for the foreseeable future.

Past Operation: Unknown prior to 1974

Current Operation: Road Ranger convenience store, retail fueling station, and truck stop facility.

2. UNDERGROUND STORAGE TANK CONTRACTOR INFORMATION

Contractor Name:	Midwest Maintenance and Construction
Mailing Address:	585 Sayre Ct.
City, State, Zip Code:	Greenwood, IN 46143
Area Code / Telephone Number:	(317)-885-9911
Project Lead (OSFM Certified Person):	Jon Powers
OSFM Certification:	UC2014IN10139

3. UNDERGROUND STORAGE TANK AND SITE INFORMATION

3.1 Site UST Information

UST No.	Installation Date	UST Capacity (gallons)	Contents	Construction Material	UST Status	Method of Leak Detection	Date Closed
1	8/1/1989	20,000	Diesel	Steel	Removed	Unknown	11/8/2000
2	8/1/1989	20,000	Diesel	Steel	Removed	Unknown	11/8/2000
3	8/1/1989	12,000	Gasoline	Steel	Removed	Unknown	11/8/2000
4	8/1/1989	12,000	Gasoline	Steel	Removed	Unknown	11/8/2000
5	8/1/1989	12,000	Gasoline	Steel	Removed	Unknown	11/8/2000
6*	7/1/1978	1,000	Used Oil	Steel	Removed	Unknown	11/8/2000
6	1974	20,000	Diesel	Steel	Removed	Unknown	5/19/1993
7	1974	12,000	Diesel	Steel	Removed	Unknown	5/19/1993
8	1974	12,000	Diesel	Steel	Removed	Unknown	5/19/1993
9	1974	12,000	Diesel	Steel	Removed	Unknown	5/19/1993
10	1974	8,000	Diesel	Steel	Removed	Unknown	5/19/1993
12	2/1/2001	20,000	Gasoline	Double-walled fiberglass	Active	ATG with interstitial monitor	Not Applicable
13	2/1/2001	20,000	Gasoline	Double-walled fiberglass	Active	ATG with interstitial monitor	Not Applicable
14a	2/1/2001	12,000	Gasoline	Double-walled fiberglass	Active	ATG with interstitial monitor	Not Applicable
14b	2/1/2001	8,000	Gasoline (premium)	Double-walled fiberglass	Active	ATG with interstitial monitor	Not Applicable
15	2/1/2001	20,000	Diesel	Double-walled fiberglass	Closed In-Place	ATG with interstitial monitor	12/20/2023
16	2/1/2001	20,000	Diesel	Double-walled fiberglass	Closed In-Place	ATG with interstitial monitor	12/20/2023
17	2/1/2001	20,000	Diesel	Double-walled fiberglass	Active	ATG with interstitial monitor	Not Applicable
18	2/1/2001	20,000	Diesel	Double-walled fiberglass	Active	ATG with interstitial monitor	Not Applicable

FRP = Fiberglass
CSLD = Continuous Statistical Leak Detection
ATG = Automatic Tank Gauging
UST No. 6* was a waste oil UST and was included as a regulated UST within a UST Closure Request
UST Nos. 14a and 14b are one compartmentalized UST

The most current tank and line tightness testing results are provided in **Appendix A.**

3.2 Facility Information

Facility Identification (FID) Number:	6550
Current Occupant of Site:	Road Ranger Store No. 226
Site Address:	1615 East Main Street
City, State, Zip Code:	Greenwood, Indiana 46143
County:	Johnson
Area Code / Telephone Number:	(815) 315-2408
Contact Person:	Todd Johnson

3.3 Facility Description

The Site is part of the northwest quarter of the southeast quarter of Section 34, Township 14 North, Range 4 East as depicted on the U.S. Geological Survey (USGS) Greenwood, IN 7.5-minute Series Topographic Quadrangle Map. A Vicinity Map is provided as **Figure 1.** A Regional Map is provided as **Figure 2.**

The Site consists of approximately 39.14 acres of land and is partially developed with one 5,771 square foot (ft^2) building that is utilized as a convenience store. An automotive fueling canopy with associated above-ground dispensers is located on the north central portion of the site and the commercial fueling canopy with associated above-ground dispensers is located on the east central portion of the Site. The Site building and canopy were constructed in 1995 and 2000, respectively. The remainder of the Site is used for commercial truck parking and vacant land, including a large retention pond to the southeast. A Site Plan is provided as **Figure 3**.

3.3.1 Coverage (turf, concrete, asphalt, etc.):

The area above the former UST systems consisted of concrete. The remaining portions of the property are covered by the Site structure, asphalt parking areas, gravel parking areas, vegetation, and a retention pond.

3.3.2 Native Soil Texture:

According to the United States Department of Agriculture Web Soil Survey[1], the soils beneath the Site primarily consists of Brookston silty clay loam, a poorly drained soil with 0 to 2 percent slopes; Miami silt loam-Urban land complex, a moderately well drained soil with 2 to 6 percent slopes; and Urban land-Crosby silt loam complex, a somewhat poorly soil with 0 to 2 percent slopes.

3.3.3 History of Spill Reports

Based on a review of available records on the IDEM Virtual File Cabinet (VFC), a release was reported to the IDEM when soil containing elevated hydrocarbon concentrations was discovered during UST removal activities in 1993. The IDEM assigned Leaking Underground Storage Tank (LUST) Incident No. 199309518 to the release. The impacted soil was excavated and was treated on-Site using a landfarm. During the UST removal activities in December 2000, soil and groundwater containing hydrocarbon concentrations were discovered in relation to the waste oil UST and IDEM issued LUST Incident No. 200101500. Various subsurface investigations were performed, and quarterly groundwater sampling was conducted. A risk assessment was

[1] https://websoilsurvey.sc.egov.usda.gov/App/WebSoilSurvey.aspx

recommended for the Site conditions. The remaining conditions for these two incidents were documented in the *NFA Request* dated August 3, 2010, which also included an *ERC* for the property. The IDEM issued the NFA approval in a letter dated February 17, 2011.

On August 12, 2006, diesel fuel was discovered in the retention pond to the south of the fueling and parking areas. The IDEM issued LUST Incident No. 200609003 to the release. During the investigations, diesel fuel was discovered in the backfill around the oil/water separator, thus following the pathway to the retention pond. Various investigations were performed and work to correct the conditions around the oil/water separator and storm water pipe was conducted. The IDEM issued the NFA approval in a letter dated April 29, 2014.

On February 9, 2023, a ball valve that was leaking diesel fuel was identified at the southeast corner of the UST cavity. The ball valve is located within a containment sump and the diesel fuel appeared to have been contained within the sump. The amount of diesel fuel released from the leaking ball valve is unknown. Multiple product line and UST tightness tests have been conducted with passing results. An *Initial Incident Report* (*IIR*) was submitted to the IDEM on February 14, 2023. The IDEM assigned LUST Incident #202302508 to the release and issued a *Release Investigation and Confirmation Steps* (*RICS*) letter, dated February 16, 2023. In a letter dated March 17, 2023, the IDEM requested an *Initial Site Characterization (ISC)* investigation and report. The IDEM-requested ISC activities were conducted at the Site in June 2023. An *Initial Site Characterization Report* was submitted to the IDEM on November 2, 2023.

3.3.4 Site Surroundings

The Site is located in an area of mostly commercial properties and some undeveloped land. The Site is bordered by East Main Street to the north with an agricultural field and various commercial properties beyond. The Site is bordered by an undeveloped property to the east with commercial properties beyond. United States Interstate 65 borders the Site to the west with commercial properties beyond. Commercial properties border the Site to the south.

3.4 Drainage Features and Water Bodies

The Site and surrounding properties are situated in a relatively level area approximately 840 feet above mean sea level (AMSL). Surface runoff at the Site moves as sheet flow across the concrete and asphalt parking areas towards storm drains on-site and towards the drainage ditches located along the perimeters of the Site, which drain into the retention pond in the southeast portion of the Site. The closest surface water body to the Site is a freshwater pond approximately 0.1 miles to the southeast of the UST cavity location and Grassy Creek approximately 0.46 miles to the south of the UST location.

3.5 Site Proximity to both Human and Environmentally Sensitive Areas

There are no churches, daycares, hospitals, schools, or recreational parks located within a 0.5-mile radius of the on-Site UST tank basin. The nearest residence is located approximately 703 feet to the southeast of the on-Site UST tank cavity.

A records search of government databases indicated the Site is not located within one-quarter mile of state parks, wildlife refuges, state nature preserves, or critical habitats. According to the

U.S. Fish & Wildlife Service National Wetlands Inventory Wetland Mapper, freshwater ponds and a riverine are located within a 0.5-mile radius of the Site, these include various retention ponds and Grassy Creek. According to the IDEM's Source Water Proximity Determination Tool, the Site is not located within a Wellhead Protection Area nor a Source Water Area.

According to information obtained from IndianaMAP[2], karst topography, mined areas, or other fractured rock geology are not present in the vicinity of the Site and surrounding properties.

3.6 Water Wells

Based on a record search of nearby water wells to the Site, the Indiana Department of Natural Resources (IDNR) Water Well Viewer indicated that there are approximately thirty-two known/field located low-capacity water wells (< 70 gallons per minute (gpm)) within a one-mile radius of the Site. Three unconsolidated wells (Well Nos. 188143, 188148, and 188168) and two bedrock wells (Well Nos. 188128 and 188138) were identified on the southern portion of the Site. These five wells were reportedly abandoned. The closest field located, off-Site water well (Well No. 188153) is located approximately 325 feet north of the on-Site UST tank basin. According to the Record of Water Well for Well No. 188153, the unconsolidated well was installed to a depth of 46 ft-bgs and is used for industry purposes. There were two high-capacity wells, capable of pumping greater than 70 gpm, located within a two-mile radius of the Site. The closest high-capacity significant water well is used for irrigation purposes and is located approximately 4,530 feet southwest of the Site.

3.7 Site-Specific Map Information

A scaled Site plan with a legend, compass directions, former UST system locations, approximate soil excavation boundaries, locations of soil and pit water samples, and other current surface structures is provided as **Figure 3**.

[2] http://maps.indiana.edu/

4. SUMMARY OF UST IN-PLACE CLOSURE

4.1 UST In-Place Closure Activities

On December 18 and 19, 2023, Atlas and Midwest Maintenance and Construction of Greenwood, Indiana, were on-site to conduct the in-place closure activities for two of the diesel USTs. The wo 20,000-gallon diesel fuel USTs have been out of service since June 23, 2020. Midwest Maintenance and Construction exposed the top of the USTs to conduct the fluids removal and cleaning activities. A vacuum truck was used to remove the remaining fuel and sludge within the USTs. Approximately 1,475 gallons of liquid, including diesel fuel and water, was removed from the USTs. The waste disposal documentation is included in **Appendix B**.

On December 20, 2023, Atlas and Midwest Maintenance and Construction were on-site to complete the in-place closure of the diesel USTs. The USTs were filled with pea gravel and topped with flowable fill and capped. Midwest Maintenance and Construction excavated the diesel fuel piping from the USTs to the valve sump, located east of the USTs, toward the commercial fuel lanes. Approximately 25 feet of the diesel fuel piping and the valve sump were removed for replacement. Two soil samples were collected from beneath the diesel fuel piping and from beneath the valve sump containment. The excavated materials consisted of pea gravel and crushed gravel fill materials, and soil beneath the diesel fuel piping and the valve sump containment. One soil sample was collected from the excavated materials on December 21, 2023. The excavated materials transported and disposed off-Site at the Waste Management – Crossroads Eco Center Landfill in Morristown, Indiana for disposal between March 18, 2024. The soil disposal documentation is provided in **Appendix B**.

New diesel fuel piping, valve, and valve sump containments were installed following soil sampling. Photographic documentation of the UST in-place closure and piping and sump removal activities is provided in **Appendix C**.

4.2 Soil Boring and Soil and Groundwater Sample Collection

4.2.1 Soil Sampling

On December 20, 2023, Atlas collected two soil samples (Line-1 and Line-2) from beneath the diesel fuel piping and from beneath the valve sump containment. On December 21, 2023, Atlas collected one soil sample (Pile-1) from the excavated soil and fill material. The confirmatory soil samples were collected using the bucket of the contractor's hydraulic excavator. The samples were collected to minimize the amount of sample that contacted the bucket of the excavator, thereby reducing the potential for cross-contamination between the samples. For quality control and quality assurance (QA/QC) purposes, a trip blank, matrix spike and matrix spike duplicate (MS/MSD) samples, and a duplicate sample were also collected.

On February 27, 2024, Atlas and SCS Environmental Contracting were on-Site to advance soil borings to collect the soil and groundwater samples from around the USTs that were closed in-place. The IDEM UST Closure Coordinator, Nawal Hopkins, was also on-Site to oversee the drilling activities. Four soil borings were advanced, immediately east and west of the diesel USTs that were closed in-place. Additionally, two soil borings were advanced immediately north and south of the UST cavity. The soil borings were advanced from 16 to 20 feet bgs. Seventeen soil

samples were collected from the soil borings, along with a trip blank, MS/MSD samples, and a duplicate sample. A temporary monitoring well (1-inch diameter PVC, 10 feet of screen) was installed in each boring (B-10 through B-15) to facilitate the collection of a groundwater sample.

During the soil sample collection activities, two soil sample aliquots were collected for each sample location and split for field screening and laboratory analysis. The laboratory aliquots to be analyzed for volatile organic compounds (VOCs) were collected in accordance with United States Environmental Protection Agency (US EPA) SW-846 Method 5035A utilizing TerraCore® sampling kits. The laboratory aliquots to be analyzed for polycyclic aromatic hydrocarbon compounds (PAHs) and total lead were collected in accordance with US EPA SW-846 methods utilizing four-ounce glass jars. The field aliquots were placed into re-sealable plastic bags, allowed to warm to ambient temperatures, and field-screened for the presence of total volatile organic vapors in the field utilizing a photo-ionization detector (PID) measuring total photo-ionizable vapors (TPVs) in parts per million (ppm). The soil lithology and field screening results are presented on the boring logs that are provided in **Appendix D**. The results of the soil sample field screening is summarized below in **Section 5.2**.

The confirmatory soil sample locations are depicted on **Figure 3**.

4.2.2 Groundwater Sampling

After the soil borings were advanced to the terminal depths, temporary monitoring well materials were installed in each boring (B-10 through B-15) to facilitate the collection of groundwater samples. The temporary well materials consisted of 1-inch diameter polyvinyl chloride (PVC), including 10 feet of standard 0.01-inch slotted well screen and riser pipe. The groundwater samples were collected using disposal bailers. The groundwater samples were collected in the appropriate laboratory-supplied containers for VOC, PAH, and total lead analyses. After the groundwater samples were collected, the temporary monitoring well materials were removed from the boreholes and the boreholes were filled with bentonite grout and sealed to match the surrounding surface.

Additionally, one duplicate water sample, one MS/MSD water sample, and one water trip blank were submitted to the laboratory for QA/QC purposes.

5. SAMPLE RESULTS INFORMATION

5.1 Field Screening Results

The screening results from the excavation soil samples are presented in the table below.

Sample ID	Sample Location	Sample Depth (ft-bgs)	Headspace Measurements PID (ppm)
Line – 1	Between the UST Cavity and Sump	5.5	0.6
Line - 2	Beneath Sump Connection	5.5	28.6
Pile -1	Beneath pea gravel and native soil pile	--	36.9
B-10 (10-12)	Approximately three feet west of UST Cavity	10-12	396.2
B-10 (14-16)	Approximately three feet west of UST Cavity	14-16	451.3
B-11 (10-12)	Approximately three feet west of UST Cavity	10-12	269.1
B-11 (14-16)	Approximately three feet west of UST Cavity	14-16	140.7
B-11 (18-20)	Approximately three feet west of UST Cavity	18-20	0.0
B-12 (6-8)	Approximately five feet north of UST Cavity	6-8	194.5
B-12 (10-12)	Approximately five feet north of UST Cavity	10-12	82.4
B-12 (14-16)	Approximately five feet north of UST Cavity	14-16	67.0
B-13 (2-4)	Approximately six feet east of UST Cavity	2-4	110.6
B-13 (8-10)	Approximately six feet east of UST Cavity	8-10	90.0
B-13 (14-16)	Approximately six feet east of UST Cavity	14-16	62.0
B-14 (2-4)	Approximately six feet east of UST Cavity	2-4	54.3
B-14 (8-10)	Approximately six feet east of UST Cavity	8-10	55.4
B-14 (14-16)	Approximately six feet east of UST Cavity	14-16	127.1
B-15 (12-14)	Approximately seven feet south of UST Cavity	12-14	409.4
B-15 (14-16)	Approximately seven feet south of UST Cavity	14-16	472.8
B-15 (18-20)	Approximately seven feet south of UST Cavity	18-20	397.2

ft= feet below ground surface
ppm= parts per million

5.2 Sample Analysis

5.2.1 Soil Sample Analysis

The soil samples were submitted to Pace Analytical Services LLC (Pace) for laboratory analysis of VOCs in accordance with US EPA SW-846 Method 8260, PAHs in accordance with US EPA SW 846 Method 8270 SIM, and total lead in accordance with US EPA Method SW-846 6010. The duplicate soil samples were collected from soil samples Line-2 (DUP-SL-1), and B-13 (2-4) (DUP-SL). The MS/MSD soil samples were collected from soil samples Line-1 and B-14 (8-10).

5.2.2 Water Sample Analysis

The groundwater samples, duplicate water sample (DUP-WT), and MS/MSD water sample were submitted to Pace for laboratory analysis of VOCs in accordance with US EPA SW-846 Method 8260, PAHs in accordance with US EPA SW-846 Method 8270 SIM, and total lead in accordance with US EPA Method SW-846 6010. The duplicate water sample was collected from groundwater sample B-15-WT. The MS/MSD water sample was collected from confirmatory water sample B-12-WT.

5.3 Laboratory Analytical Results

5.3.1 Soil Analytical Results

The soil analytical results were compared to the following IDEM Risk-based Closure Guide (R2) Published Screening Levels (PLs) for soil, updated March 2024:

- IDEM R2 Residential Soil Published Level – Long Term = IDEM R2 RSPL
- IDEM R2 Commercial Soil Published Level – Long Term = IDEM R2 CSPL
- IDEM R2 Excavation Soil Published Level – Short Term = IDEM R2 XSPL

Based on the soil analytical results, total lead and various PAHs and VOCs were detected at concentrations above the laboratory reporting limits but below the IDEM R2 PLs in the soil samples collected during the diesel UST in-place closure activities.

A summary of the soil analytical results from the diesel UST in-place closure activities are provided in **Table 1** and depicted on **Figure 4**. The laboratory analytical reports and chain-of-custody documentation are presented in **Appendix E**.

5.3.2 Groundwater Analytical Results

The groundwater analytical results were compared to the IDEM R2 Groundwater Published Screening Levels (GWPLs) – Residential Long Term, updated March 2024.

Based on the groundwater analytical results, total lead was detected at concentrations above the IDEM R2 GWPL in the groundwater samples collected from B-12-WT and B-14-WT. The turbidity of the groundwater samples likely contributed to the elevated lead concentrations, which are likely not representative of the groundwater conditions at the site.

5.4.2.1 VOCs

The following VOCs were detected at concentrations exceeding their applicable IDEM R2 GWPLs in the groundwater samples collected from B-10-WT, B-11-WT, B-12-WT, and B-15-WT: 1,2,4-trimethylbenzene (B-11-WT), 1,3,5-trimethylbenzene (B-11-WT), 1-methylnaphthalene, and 2-methylnaphthalene (B-11-WT and B-15-WT). Various VOCs were detected at concentrations exceeding the laboratory reporting limits, but below their applicable IDEM R2 GWPLs in the groundwater samples associated with the UST closure.

5.4.2.2 PAHs

Pyrene was detected at concentrations above the IDEM R2 GWPL in the groundwater samples collected from B-11-WT and B-15-WT. Various PAH constituents were detected at concentrations exceeding the laboratory reporting limits, but below their applicable IDEM R2 GWPLs in the groundwater samples associated with the UST closure.

5.4.2.3 Lead

Total lead was detected at concentrations above the IDEM R2 GWPL in the groundwater samples collected from B-12-WT and B-14-WT. In groundwater samples collected from the

temporary well B-15-WT, total lead was at a concentration exceeding the laboratory reporting limit, but was below the IDEM R2 GWPL.

The observed conditions appear to be associated with the recent release of diesel fuel within the UST cavity. The conditions were reported and documented in relation to IDEM Incident Number 203202508. The conditions presented within this report represent the conditions immediately surrounding the UST cavity and the diesel fuel piping. The adsorbed and dissolved hydrocarbon concentrations appear to remain delineated as discovered during the initial site characterization (ISC) activities conducted in 2023 and presented in the *ISC Report*, dated November 2, 2023. Quarterly groundwater monitoring is being conducted in relation to IDEM Incident Number 202302508. The discovered conditions are believed to be related to Incident Number 202302508, when diesel fuel was discovered within the UST cavity. A summary of the groundwater analytical results is provided in **Table 2** and depicted on **Figure 5**. A copy of the groundwater sample laboratory report and chain-of-custody documentation is included in **Appendix E**.

6. CONCLUSIONS

On December 18 and 19, 2023, Atlas and Midwest Maintenance and Construction were on-Site to conduct the diesel UST in-place closure activities. The two 20,000-gallon diesel fuel USTs have been out of service since June 23, 2020. Midwest Maintenance and Construction exposed the top of the USTs to conduct the fluids removal and cleaning activities.

On December 20, 2023, Atlas and Midwest Maintenance and Construction were on-Site to complete the in-place closure of the diesel fuel USTs. The USTs were filled with pea gravel, and topped with flowable fill and capped. Midwest Maintenance and Construction completed the removal of the diesel fuel piping from the USTs to the valve, and removal of the valve sump containment. Two soil samples were collected from beneath the diesel fuel piping and the valve sump containment. On December 21, 2023, one soil sample was collected from the materials that were excavated to facilitate the diesel fuel piping and valve sump containment removal. The soil was disposed.

On February 27, 2024, Atlas and SCS Environmental Contracting were on-Site to perform the soil and groundwater for the in-place closure of the two 20,000-gallon diesel USTs. Four soil borings were advanced, immediately east and west of the diesel fuel USTs. Two soil borings were also advanced immediately north and south of the UST cavity. Soil and groundwater samples were collected from each of the soil borings advanced around the UST cavity.

Based on the soil analytical results, COCs were detected at concentrations above the laboratory reporting limits, but were below the IDEM R2 PLs.

Based on the groundwater analytical results, VOCs were detected at concentrations exceeding their applicable IDEM R2 GWPLs in the water samples collected from B-10-WT, B-11-WT, B-12-WT, and B-15-WT: 1,2,4-trimethylbenzene (B-11-WT), 1,3,5-trimethylbenzene (B-11-WT), 1-methylnaphthalene, and 2-methylnaphthalene (B-11-WT and B-15-WT). Pyrene was detected at concentrations exceeding the IDEM R2 GWPL in the groundwater samples collected from B-11-WT and B-15-WT. Total lead was detected at concentrations exceeding the IDEM R2 GWPL in the groundwater samples collected from B-12-WT and B-14-WT. Various VOCs and PAHs were detected at concentrations exceeding the laboratory reporting limits, but below their applicable IDEM R2 GWPLs.

The observed conditions appear to be associated with the recent release of diesel fuel within the UST cavity. The conditions were reported and documented in relation to IDEM Incident Number 203202508. The conditions presented within this report represent the conditions immediately surrounding the UST cavity and the diesel fuel piping. The adsorbed and dissolved hydrocarbon concentrations appear to remain delineated as discovered during the ISC activities conducted in 2023 and presented in the *ISC Report*, dated November 2, 2023. Quarterly groundwater monitoring is being conducted in relation to IDEM Incident Number 202302508. Further environmental investigations do not appear warranted for the UST closure activities.

Tables

Table 1
Summary of UST Soil Analytical Results
Road Ranger Store 226
1615 East Main Street
Greenwood, Indiana 46143
IDEM Facility ID No. 6550
IDEM Incident No. 202302508

Sample ID	Date	Depth (ft-bgs)	Lead	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	2-Butanone (MEK)	Acetone	Ethylbenzene	Isopropylbenzene (Cumene)	Xylene (Total)	n-Butylbenzene	n-Propylbenzene	p-Isopropyltoluene	sec-Butylbenzene	1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Chrysene	Fluoranthene	Fluorene	Naphthalene	Phenanthrene	Pyrene
Soil Residential Long Term (mg/kg)			**400**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**300**	**300**	**5000**	**NE**	**30000**	**20**	**8**	**20**	**NE**	**2000**	**3000**	**3000**	**30**	**NE**	**3000**
Soil Commercial Long Term (mg/kg)			**800**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**400**	**3000**	**50000**	**NE**	**100000**	**200**	**70**	**200**	**NE**	**20000**	**30000**	**30000**	**90**	**NE**	**20000**
Soil Residential Short Term Excavation (mg/kg)			**1000**	**200**	**200**	**30000**	**100000**	**500**	**300**	**300**	**100**	**300**	**NE**	**100**	**400**	**7000**	**100000**	**NE**	**100000**	**10000**	**200**	**10000**	**NE**	**100000**	**70000**	**70000**	**3000**	**NE**	**50000**
Line - 1	12/20/2023	5.5	16.6	<0.0057	<0.0057	<0.0284	<0.114	<0.0057	<0.0057	<0.0114	<0.0057	<0.0057	<0.0057	<0.0057	0.027	0.0824	0.0396	<0.0064	0.0550	0.0115	<0.0064	0.0075	<0.0064	0.0111	0.0703	0.157	0.310	0.186	0.0517
Line - 2	12/20/2023	5.5	17.2	0.0779	0.0310	<0.0296	0.159	0.0087	0.0091	0.0367	0.0217	0.0229	0.0154	0.0172	0.0354	0.0482	0.0191	0.0178	0.0237	0.0117	0.0097	0.0145	0.0062	0.0133	0.0268	0.0307	0.0195	0.0296	0.0276
DUP - SL - 1	12/20/2023	5.5	15.2	0.172	0.0719	<0.0302	0.136	0.0203	0.0181	0.104	0.0429	0.0518	0.0231	0.0220	<0.0064	<0.0064	<0.0064	<0.0064	<0.0064	<0.0064	<0.0064	0.0080	<0.0064	0.0066	0.0121	<0.0064	<0.0064	0.0081	0.0144
Pile - 1	12/21/2023	--	13.7	<0.0048	<0.0048	0.0480	0.228	<0.0048	<0.0048	0.0127	<0.0048	<0.0048	<0.0048	<0.0048	0.0333	0.0503	<0.0059	<0.0059	0.0128	0.0071	0.0086	0.0124	<0.0059	0.0096	0.0186	<0.0059	0.0144	0.0124	0.0183
B-10 (10-12)	2/27/2024	10-12	3.5	0.0317	0.0112	<0.0202	<0.0807	<0.0040	<0.0040	<0.0081	<0.0040	<0.0040	0.0062	0.0048	0.0225	0.0175	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	0.0065	0.0064	0.0087	0.0077	0.0270
B-10 (14-16)	2/27/2024	14-16	2.8	<0.0042	<0.0042	<0.0211	<0.0843	<0.0042	<0.0042	<0.0084	<0.0042	<0.0042	<0.0042	<0.0042	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053
B-11 (10-12)	2/27/2024	10-12	3.4	<0.0039	<0.0039	<0.0196	<0.0783	<0.0039	<0.0039	<0.0078	<0.0039	<0.0039	<0.0039	<0.0039	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054
B-11 (14-16)	2/27/2024	14-16	2.9	0.0057	0.0064	<0.0213	<0.0851	<0.0043	<0.0043	<0.0085	<0.0043	<0.0043	<0.0043	<0.0043	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053
B-11 (18-20)	2/27/2024	18-20	3.7	<0.0050	<0.0050	<0.0248	<0.0990	<0.0050	<0.0050	<0.0099	<0.0050	<0.0050	<0.0050	<0.0050	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056
B-12 (6-8)	2/27/2024	6-8	8.6	0.0462	0.0433	<0.0222	<0.0888	<0.0044	<0.0044	<0.0089	<0.0044	<0.0044	0.0144	0.0094	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	0.0066	<0.0060	<0.0060	<0.0060	0.0375
B-12 (10-12)	2/27/2024	10-12	2.7	<0.0039	<0.0039	<0.0194	<0.0775	<0.0039	<0.0039	<0.0077	<0.0039	<0.0039	<0.0039	<0.0039	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	0.0055
B-12 (14-16)	2/27/2024	14-16	4.0	<0.0041	<0.0041	<0.0204	<0.0818	<0.0041	<0.0041	<0.0082	<0.0041	<0.0041	<0.0041	<0.0041	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055
B-13 (2-4)	2/27/2024	2-4	16.2	<0.0041	<0.0041	<0.0205	<0.0818	<0.0041	<0.0041	<0.0082	<0.0041	<0.0041	<0.0041	<0.0041	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055
DUP-SL	2/27/2024	2-4	16.0	<0.0056	<0.0056	<0.0280	<0.112	<0.0056	<0.0056	<0.0112	<0.0056	<0.0056	<0.0056	<0.0056	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061
B-13 (8-10)	2/27/2024	8-10	7.7	<0.0049	<0.0049	<0.0243	<0.0974	<0.0049	<0.0049	<0.0097	<0.0049	<0.0049	<0.0049	<0.0049	<0.0062	<0.0062	<0.0062	<0.0062	<0.0062	<0.0062	<0.0062	<0.0062	<0.0062	<0.0062	<0.0062	<0.0062	<0.0062	<0.0062	<0.0062
B-13 (14-16)	2/27/2024	14-16	2.6	<0.0044	<0.0044	<0.0220	<0.0880	<0.0044	<0.0044	<0.0088	<0.0044	<0.0044	<0.0044	<0.0044	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056
B-14 (2-4)	2/27/2024	2-4	8.7	<0.0054	<0.0054	<0.0270	<0.108	<0.0054	<0.0054	<0.0108	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054
B-14 (8-10)	2/27/2024	8-10	7.2	<0.0054	<0.0054	<0.0271	<0.108	<0.0054	<0.0054	<0.0108	<0.0054	<0.0054	<0.0054	<0.0054	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060
B-14 (14-16)	2/27/2024	14-16	4.5	<0.0037	<0.0037	<0.0187	<0.0747	<0.0037	<0.0037	<0.0075	<0.0037	<0.0037	<0.0037	<0.0037	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054
B-15 (12-14)	2/27/2024	12-14	4.3	<0.0045	<0.0045	<0.0224	<0.0895	<0.0045	<0.0045	<0.0090	<0.0045	<0.0045	<0.0045	<0.0045	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057
B-15 (14-16)	2/27/2024	14-16	5.0	<0.0039	<0.0039	<0.0197	<0.0786	<0.0039	<0.0039	<0.0079	<0.0039	<0.0039	<0.0039	<0.0039	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054
B-15 (18-20)	2/27/2024	18-20	2.3	<0.0045	<0.0045	<0.0226	<0.0903	<0.0045	<0.0045	<0.0090	<0.0045	<0.0045	<0.0045	<0.0045	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055
TRIP BLANK	12/20/2023	--	NA	<0.0050	<0.0050	<0.0250	<0.100	<0.0050	<0.0050	<0.0100	<0.0050	<0.0050	<0.0050	<0.0050	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TB-SL	2/27/2024	--	NA	<0.0050	<0.0050	<0.0250	<0.100	<0.0050	<0.0050	<0.0100	<0.0050	<0.0050	<0.0050	<0.0050	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
- NE = Not Established
- NA = Not Analyzed
- ft-bgs = feet below ground surface
- mg/kg = milligrams per kilogram

Data presented in mg/kg
IDEM = Indiana Department of Environmental Management
Risk Based Closure Guide (July 8, 2022), Screening Levels - IDEM Published Levels 2024

BOLD	- Concentrations above their respective Soil Residential Long Term
BOLD	- Concentrations above their respective Soil Commercial Long Term
BOLD	- Concentrations above their respective Soil Residential Short Term Excavation

The analytes with detected concentrations are listed. The remainder of the analytes are included in the laboratory analytical reports.

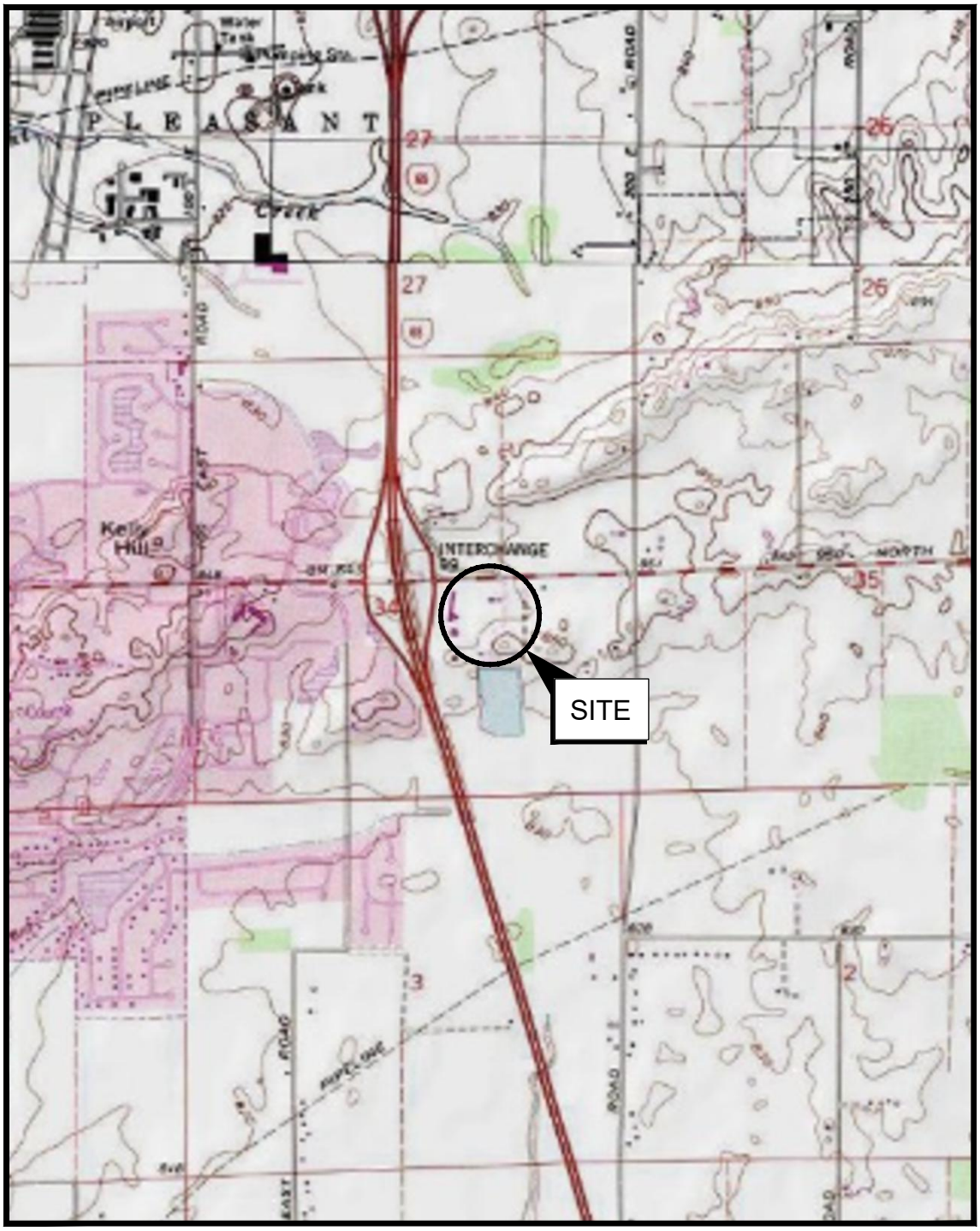
Table 2
Summary of UST Groundwater Analytical Results
Road Ranger Store 226
1615 East Main Street
Greenwood, Indiana 46143
IDEM Facility ID No. 6550
IDEM Incident No. 202302508

Sample ID	Date	Lead	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	2-Butanone (MEK)	Acetone	Chloroethane	p-Isopropyltoluene	sec-Butylbenzene	1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthene	Chrysene	Fluoranthene	Fluorene	Phenanthrene	Pyrene
Groundwater Residential Long Term (µg/L)		**15**	**60**	**60**	**6000**	**20000**	**400**	**NE**	**2000**	**10**	**40**	**500**	**300**	**800**	**300**	**NE**	**100**
B-10-WT	2/27/2024	<10.0	37.9	25.2	60.3	515	<5.0	<5.0	<5.0	**56.3**	29.9	11.0	<2.5	<5.0	14.4	23.7	32.3
B-11-WT	2/27/2024	<10.0	**125**	**62.2**	<25.0	<100	<5.0	25.1	16.8	**860**	**580**	149	<24.7	83.9	191	333	**533**
B-12-WT	2/27/2024	**24.5**	<5.0	<5.0	<25.0	<100	<5.0	<5.0	<5.0	**29.3**	<5.0	11.6	<2.5	<5.0	12.6	<5.0	48.6
B-13-WT	2/27/2024	<50.0	<5.0	<5.0	<25.0	<100	<5.0	<5.0	<5.0	<0.99	<0.99	<0.99	<0.50	<0.99	<0.99	<0.99	<0.99
B-14-WT	2/27/2024	**66.2**	<5.0	<5.0	<25.0	<100	<5.0	<5.0	<5.0	<0.99	<0.99	<0.99	<0.49	<0.99	<0.99	<0.99	<0.99
B-15-WT	2/27/2024	10.1	7.0	13.5	<25.0	<100	<5.0	5.4	<5.0	**565**	**231**	200	52.6	109	245	517	**832**
Dup-WT	2/27/2024	<10.0	10.0	19.5	<25.0	<100	<5.0	8.6	<5.0	**450**	**185**	150	40.8	79.5	188	374	**643**
TB-WT	2/27/2024	NA	<5.0	<5.0	<25.0	<100	6.6	<5.0	<5.0	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
- NE = Not Established
- NA = Not Analyzed
- µg/L = micrograms per Liter

Data presented in µg/L
IDEM = Indiana Department of Environmental Management
Risk Based Closure Guide (July 8, 2022), Screening Levels - IDEM Published Levels 2024
BOLD - Concentrations above their respective Groundwater Residential Long Term
The analytes with detected concentrations are listed. The remainder of the analytes are included in the laboratory analytical reports.

Figures



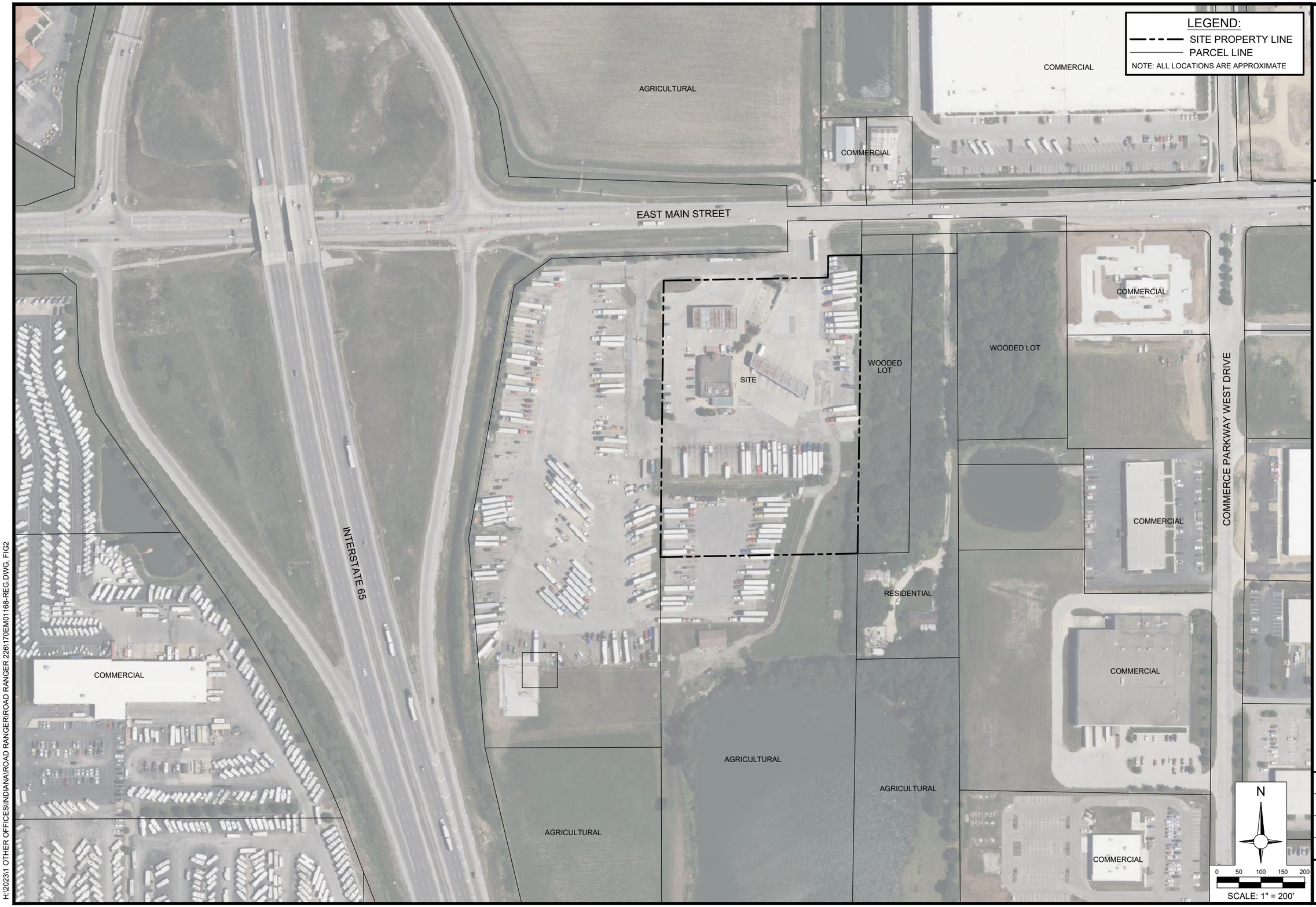
N

VICINITY MAP

ROAD RANGER #226
1615 EAST MAIN STREET
GREENWOOD, JOHNSON COUNTY, INDIANA 46143

Project Number: 170EM01168		Drn. By: BM
Date: 06/08/2023	Scale: 1":2,000'	Ckd. By: PS
ATLAS		1

H:\2023\1 OTHER OFFICES\INDIANA\ROAD RANGER\ROAD RANGER 226\170EM01168-VIC.DWG, FIG1



ATLAS

REGIONAL MAP

ROAD RANGER #226
1615 EAST MAIN STREET
GREENWOOD, JOHNSON COUNTY, INDIANA 46143

Project Number: 170EM01168	
Date: 06/08/2023	
Drn. By: BM	Ckd. By: PS
Scale: AS SHOWN	
Figure: 2	

H:\2023\1 OTHER OFFICES\INDIANA\ROAD RANGER\ROAD RANGER 226\170EM01168-REG.DWG, FIG2

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Figure: 3	Scale: AS SHOWN	Drn. By: JG / Ckd. By: KH	Date: 03/18/2024

Project Number: 170EM01168

SITE MAP

ROAD RANGER #226
1615 EAST MAIN STREET
GREENWOOD, JOHNSON COUNTY, INDIANA 46143

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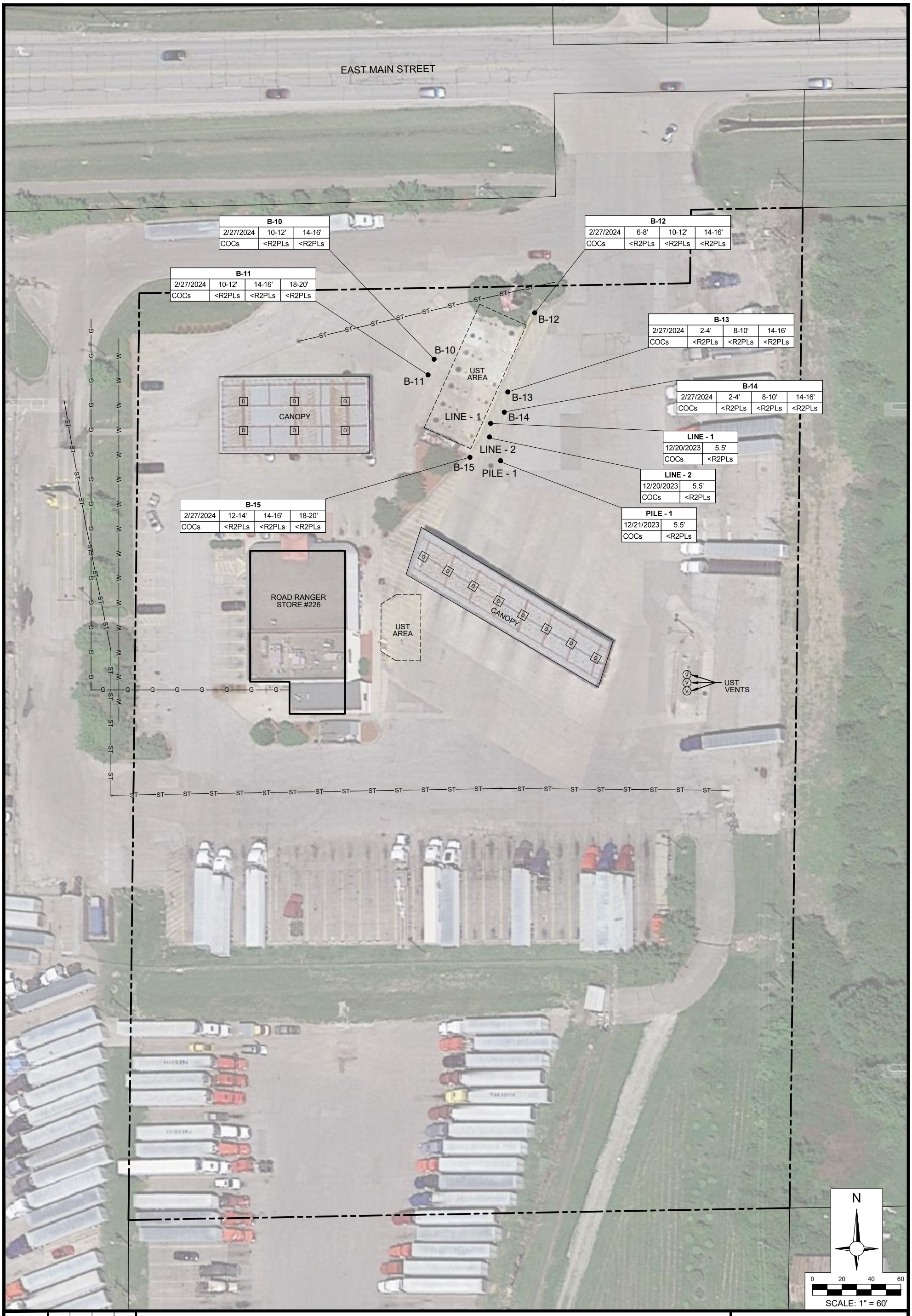

Figure: 4	Scale: AS SHOWN	Drn. By: BM / Ckd. By: PS	Date: 03/18/2024

Project Number: 170EM01168

SUMMARY OF UST SOIL ANALYTICAL MAP

ROAD RANGER #226
1615 EAST MAIN STREET
GREENWOOD, JOHNSON COUNTY, INDIANA 46143

ATLAS

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LEGEND:

B-13 — UST SAMPLE LOCATION
Sample Identification

SITE PROPERTY LINE
PARCEL LINE
G — G — GAS LINE
ST — ST — STORM SEWER
W — W — WATER LINE
D — DISPENSER

Sample ID	
Sample Date	
Lead	Pb
1,2,4-Trimethylbenzene	124T
1,3,5-Trimethylbenzene	135T
1-Methylnaphthalene	1M
2-Methylnaphthalene	2M
Pyrene	Py
Compounds of Concern	COCs

NOTE: ALL LOCATIONS ARE APPROXIMATE.
GROUNDWATER RESULTS ARE MEASURED IN MICROGRAMS PER LITER (µg/L).
R2GWPLs = IDEM R2 GROUNDWATER PUBLISHED LEVEL

EAST MAIN STREET

B-10	
2/27/2024	
1M	**56.3**
rCOCs	<R2GWPLs

B-11	
2/27/2024	
124T	**125**
135T	**62.2**
1M	**860**
2M	**580**
Py	**533**
rCOCs	<R2GWPLs

B-12	
2/27/2024	
Pb	**24.5**
1M	**29.3**
rCOCs	<R2GWPLs

B-13	
2/27/2024	
COCs	<R2GWPLs

B-14	
2/27/2024	
Pb	**66.2**
rCOCs	<R2GWPLs

B-15	
2/27/2024	
1M	**565**
2M	**231**
P	**832**
rCOCs	<R2GWPLs

B-10
B-11
B-12
B-13
B-14
B-15
UST AREA
LINE - 2 NS
LINE - 1 NS
PILE - 1 NS
CANOPY
ROAD RANGER STORE #226
UST AREA
CANOPY
UST VENTS

N
0 20 40 60
SCALE: 1" = 60'

Figure:	Project Number:	Date:	Drn. By:	Ckd. By:	Scale:
5	170EM01168	03/18/2024	JG	KH	AS SHOWN

SUMMARY OF UST GROUNDWATER ANALYTICAL RESULTS
FEBRUARY 27, 2024

ROAD RANGER #226
1615 EAST MAIN STREET
GREENWOOD, JOHNSON COUNTY, INDIANA 46143

ATLAS

Appendix A – UST Documents

PROFESSIONAL TANK INVESTIGATION CORP.
PO Box 80265 Saukville, WI 53080 www.protanic.com (262) 268-1150

Site ID/Facility Name and Address	Test Date
6550 Road Ranger #226 1601 E. Main Greenwood IN 46143	2023-03-14

Tank Tightness Test Results

Product	State ID	Capacity	Construction	Volumetric Result	GPH Score	Ullage Result
North Regular Master		20,000	Fiberglass DW			
South Regular Slave		20,000	Fiberglass DW			
Mid-Grade		10,000	Fiberglass DW			
Premium		10,000	Fiberglass DW			
North Diesel T1		20,000	Fiberglass DW	Pass		Pass
South Diesel T2		20,000	Fiberglass DW	Pass		Pass
North West Diesel T3		20,000	Fiberglass DW	Pass	-0.0204 gph	Pass
South West Diesel T4		20,000	Fiberglass DW	Pass	-0.0129 gph	Pass
DEF		8000	Fiberglass DW			

Comments

The North Diesel T1 and South Diesel T2 were empty at the time of testing. The Alert Empty tank test was performed.

Equipment Utilized	Equipment Detail and Certifications
Alert Tank Tester	Wis. Material Approval No. - 20170001

Technician Information		
Eric Goelz		

Respectfully submitted,

Frank Sulzer

PROFESSIONAL TANK INVESTIGATION CORP.
PO Box 80265 Saukville, WI 53080 www.protanic.com (262) 268-1150

Site ID/Facility Name and Address	Test Date
6550 Road Ranger #226 1601 E. Main Greenwood IN 46143	2023-02-27

Line and Leak Detector Test Results

Product	Piping System Type	Line Material	Precision Line Test Result	Net Volume Change	LD Model	3 GPH Simulated Leak Test Result
Regular	Pressure	Fiberglass DW	Pass	-0.001	FX1V	Pass
Mid-Grade	Pressure	Fiberglass DW	Pass	-0.0015	FX1V	Pass
Premium	Pressure	Fiberglass DW	Pass	-0.003	FX1V	Pass
Diesel T3	Pressure	Fiberglass DW	Pass	-0.002	FX1DV	Pass
Diesel T1	Pressure	Fiberglass DW			FX1DV	

Comments

Equipment Utilized	Equipment Detail and Certifications
Petro-Tite Line Tester	WI ILHR Material Approval No. - 2007002

Technician Information		
Dan Fechter		

Respectfully submitted,

Frank Sabo

PROFESSIONAL TANK INVESTIGATION CORP.

PO Box 80265 Saukville, WI 53080 www.protanic.com (262) 268-1150

Site ID/Facility Name and Address	Test Date
6550 Road Ranger #226 1601 E. Main Greenwood IN 46143	2023-02-27

Pressure Decay Test	
Vapor Recovery Type	

	Results
Pressure Decay	Fail
P/V Valve Test	
Tie-Tank Test	Pass

Comments

Technician Information		
Dan Fechter		

Respectfully submitted,

Frank Sulo

PROFESSIONAL TANK INVESTIGATION CORP.
PO Box 80265 Saukville, WI 53080 www.protanic.com (262) 268-1150

Site ID/Facility Name and Address	Test Date
6550 Road Ranger #226 1601 E. Main Greenwood IN 46143	2023-02-27

ATG Inspection

Inventory of Equipment Tested/Certified Check the appropriate boxes to indicate specific equipment inspected/serviced

Make/Model of Monitoring System:
TLS 350

Tank Product: North Regular Master

- [x] In-Tank Gauging Probe — Model: Mag 1
- [ ] Fill Sump Sensor(s) — Model:
- [ ] Tank Overfill/High-Level Sensor — Model:

Tank Product: South Regular Slave

- [x] In-Tank Gauging Probe — Model: Mag 1
- [ ] Fill Sump Sensor(s) — Model:
- [ ] Tank Overfill/High-Level Sensor — Model:

Tank Product: Mid-Grade

- [x] In-Tank Gauging Probe — Model: Mag 1
- [ ] Fill Sump Sensor(s) — Model:
- [ ] Tank Overfill/High-Level Sensor — Model:

Tank Product: Premium

- [x] In-Tank Gauging Probe — Model: Mag 1
- [ ] Fill Sump Sensor(s) — Model:
- [ ] Tank Overfill/High-Level Sensor — Model:

Dispenser ID: 1/2

- [ ] Dispenser Containment Sensor(s) — Model:
- [ ] Dispenser Containment Float(s) — Model:

Dispenser ID: 7/8

- [ ] Dispenser Containment Sensor(s) — Model:
- [ ] Dispenser Containment Float(s) — Model:

Dispenser ID: 3/4

- [ ] Dispenser Containment Sensor(s) — Model:
- [ ] Dispenser Containment Float(s) — Model:

Dispenser ID: 9/10

- [ ] Dispenser Containment Sensor(s) — Model:
- [ ] Dispenser Containment Float(s) — Model:

Dispenser ID: 5/6

- [ ] Dispenser Containment Sensor(s) — Model:
- [ ] Dispenser Containment Float(s) — Model:

Dispenser ID: 11/12

- [ ] Dispenser Containment Sensor(s) — Model:
- [ ] Dispenser Containment Float(s) — Model:

Certification

Technician Name (Print):	Technician Signature:
Dan Fechter	Dan Fechter
Facility Representative (Print):	**Facility Representative Signature:**

PROFESSIONAL TANK INVESTIGATION CORP.

PO Box 80265 Saukville, WI 53080 www.protanic.com (262) 268-1150

Site ID/Facility Name and Address	Test Date
6550 Road Ranger #226 1601 E. Main Greenwood IN 46143	2023-02-27

Tank Product: North Diesel T1

- [x] In-Tank Gauging Probe — Model: Mag 1
- [ ] Fill Sump Sensor(s) — Model:
- [ ] Tank Overfill/High-Level Sensor — Model:

Tank Product: South Diesel T2

- [x] In-Tank Gauging Probe — Model: Mag 1
- [ ] Fill Sump Sensor(s) — Model:
- [ ] Tank Overfill/High-Level Sensor — Model:

Tank Product: North West Diesel T3

- [x] In-Tank Gauging Probe — Model: Mag 1
- [ ] Fill Sump Sensor(s) — Model:
- [ ] Tank Overfill/High-Level Sensor — Model:

Tank Product: South West Diesel T4

- [x] In-Tank Gauging Probe — Model: Mag 1
- [ ] Fill Sump Sensor(s) — Model:
- [ ] Tank Overfill/High-Level Sensor — Model:

Tank Product: DEF

- [ ] In-Tank Gauging Probe — Model:
- [ ] Fill Sump Sensor(s) — Model:
- [ ] Tank Overfill/High-Level Sensor — Model:

Tank Product:

- [ ] In-Tank Gauging Probe — Model:
- [ ] Fill Sump Sensor(s) — Model:
- [ ] Tank Overfill/High-Level Sensor — Model:

Dispenser ID: Diesel 1

- [ ] Dispenser Containment Sensor(s) — Model:
- [ ] Dispenser Containment Float(s) — Model:

Dispenser ID: Diesel 5

- [ ] Dispenser Containment Sensor(s) — Model:
- [ ] Dispenser Containment Float(s) — Model:

Dispenser ID: Diesel 2

- [ ] Dispenser Containment Sensor(s) — Model:
- [ ] Dispenser Containment Float(s) — Model:

Dispenser ID: Diesel 6

- [ ] Dispenser Containment Sensor(s) — Model:
- [ ] Dispenser Containment Float(s) — Model:

Dispenser ID: Diesel 3

- [ ] Dispenser Containment Sensor(s) — Model:
- [ ] Dispenser Containment Float(s) — Model:

Dispenser ID: Diesel 7

- [ ] Dispenser Containment Sensor(s) — Model:
- [ ] Dispenser Containment Float(s) — Model:

Dispenser ID: Diesel 4

- [ ] Dispenser Containment Sensor(s) — Model:
- [ ] Dispenser Containment Float(s) — Model:

Dispenser ID: Diesel 8

- [ ] Dispenser Containment Sensor(s) — Model:
- [ ] Dispenser Containment Float(s) — Model:

Dispenser ID:

- [ ] Dispenser Containment Sensor(s) — Model:
- [ ] Dispenser Containment Float(s) — Model:

Dispenser ID:

- [ ] Dispenser Containment Sensor(s) — Model:
- [ ] Dispenser Containment Float(s) — Model:

Software Version Installed: 133.00			
☑ Yes	☐ No ☐ N/A	Is the audible alarm operational at the tank monitor?	
☑ Yes	☐ No ☐ N/A	Is the visual alarm operational at the tank monitor?	
☐ Yes	☑ No ☐ N/A	Were all sensors visually inspected, functionally tested, and confirmed operational?	
☐ Yes	☐ No ☑ N/A	If alarms are relayed to a remote monitoring system, is all communications equipment (e.g. modem) operational?	
☑ Yes	☐ No	Was liquid found inside any secondary containment systems designed as dry systems? *(Check all that apply)* ☑ Product ☑ Water If yes, describe causes in comments, below.	
☑ Yes	☐ No	Is all monitoring equipment operational per manufacturer's specifications?	

*** In Comments below, describe how and when these deficiencies were or will be corrected.**

In-Tank Gauging / SIR Equipment

☑ Yes	☐ No	Was accuracy of system product level readings tested?
☑ Yes	☐ No	Were all probes reinstalled properly?
☑ Yes	☐ No	Were all items on the equipment manufacturer's maintenance checklist completed?

Comments

Does the ATG have a battery backup? Yes
If yes, is the battery backup functional? Yes

- all 8 diesel dispensers have minor product in sumps
- t1 diesel has 3.25" water per stick reading at atg
- t2 diesel has 3" water per stick reading at atg
- t3 diesel has 1" water per stick reading at atg
- Dsps 9/10, 11/12 have a minor diesel fuel
- t2 diesel spill bucket has 12" water
- t3,t4 diesel spill buckets have 6" fuel/water mix
- t1 diesel STP sump has 1" fuel
- t3 diesel STP has a trace of fuel

PROFESSIONAL TANK INVESTIGATION CORP.
PO Box 80265 Saukville, WI 53080 www.protanic.com (262) 268-1150

Site ID/Facility Name and Address	Test Date
6550 Road Ranger #226 1601 E. Main Greenwood IN 46143	2023-02-27

Tank Product ______ ☐ In-Tank Gauging Probe Model ______ ☐ Fill Sump Sensor(s) Model ______ ☐ Tank Overfill/High-Level Sensor Model ______	Tank Product ______ ☐ In-Tank Gauging Probe Model ______ ☐ Fill Sump Sensor(s) Model ______ ☐ Tank Overfill/High-Level Sensor Model ______
Tank Product ______ ☐ In-Tank Gauging Probe Model ______ ☐ Fill Sump Sensor(s) Model ______ ☐ Tank Overfill/High-Level Sensor Model ______	Tank Product ______ ☐ In-Tank Gauging Probe Model ______ ☐ Fill Sump Sensor(s) Model ______ ☐ Tank Overfill/High-Level Sensor Model ______
Tank Product ______ ☐ In-Tank Gauging Probe Model ______ ☐ Fill Sump Sensor(s) Model ______ ☐ Tank Overfill/High-Level Sensor Model ______	Tank Product ______ ☐ In-Tank Gauging Probe Model ______ ☐ Fill Sump Sensor(s) Model ______ ☐ Tank Overfill/High-Level Sensor Model ______
Dispenser ID ______ ☐ Dispenser Containment Sensor(s) Model ______ ☐ Dispenser Containment Float(s) Model ______	Dispenser ID ______ ☐ Dispenser Containment Sensor(s) Model ______ ☐ Dispenser Containment Float(s) Model ______
Dispenser ID ______ ☐ Dispenser Containment Sensor(s) Model ______ ☐ Dispenser Containment Float(s) Model ______	Dispenser ID ______ ☐ Dispenser Containment Sensor(s) Model ______ ☐ Dispenser Containment Float(s) Model ______
Dispenser ID ______ ☐ Dispenser Containment Sensor(s) Model ______ ☐ Dispenser Containment Float(s) Model ______	Dispenser ID ______ ☐ Dispenser Containment Sensor(s) Model ______ ☐ Dispenser Containment Float(s) Model ______
Dispenser ID ______ ☐ Dispenser Containment Sensor(s) Model ______ ☐ Dispenser Containment Float(s) Model ______	Dispenser ID ______ ☐ Dispenser Containment Sensor(s) Model ______ ☐ Dispenser Containment Float(s) Model ______
Dispenser ID ______ ☐ Dispenser Containment Sensor(s) Model ______ ☐ Dispenser Containment Float(s) Model ______	Dispenser ID ______ ☐ Dispenser Containment Sensor(s) Model ______ ☐ Dispenser Containment Float(s) Model ______

PROFESSIONAL TANK INVESTIGATION CORP

PO Box 80265 Saukville, WI 5308 www.protanic.com (262) 268-1150

Facility ID Facility Name and Address	Test Date
6550 Road Ranger #226 1601 E. Main Greenwood IN 46143	2023-02-27

Sensor Inspection/Certification

Was as system setup printed? Yes

Sensor Location	Type	Sensor in proper position when ARRIVED?	Sensor in Alarm when ARRIVED?	Functionality Test Result (Pass/Fail)	Sensor in proper position when LEFT site?	Sensor in Alarm when LEFT site?	Water present below sensor?	Is the sensor programmed for positive shutdown?	Did sensor shut down sub motor?
L1: North Regular 1 STP	Tri-State	Yes	No	Pass	Yes	No	No	No	No
L2: South Regular 2 Piping	Tri-State	Yes	No	Pass	Yes	No	No	No	No
L3: Mid-Grade STP	Tri-State	Yes	No	Pass	Yes	No	No	No	No
L4: Premium STP	Tri-State	Yes	No	Pass	Yes	No	No	No	No
L5: Regular Interstitial	Brine	Yes	No	Pass	Yes	No	No	No	No
L6: South Regular Interstitial	Brine	Yes	No	Pass	Yes	No	No	No	No
: Mid-Grade Premium Interstit	Brine	Yes	No	Pass	Yes	No	No	No	No
L8: North Diesel STP	Tri-State	Yes	No	Pass	Yes	No	Minor	No	No
L9: Diesel NM STP	Tri-State	Yes	No	Pass	Yes	No	No	No	No
L10: Diesel SM STP	Tri-State	Yes	No	Pass	Yes	No	No	No	No
L11: South Diesel STP	Tri-State	Yes	No	Pass	Yes	No	No	No	No
L12: North Diesel Interstitial	Brine	Yes	No	Pass	No	Yes	No	No	No
L13: Diesel NM Interstitial	Brine	Yes	No	Pass	Yes	No	No	No	No
L14: Diesel SM Interstitial	Brine	Yes	No	Pass	Yes	No	No	No	No
L15: South Diesel Interstitial	Brine	Yes	No	Pass	Yes	No	No	No	No

Comments

L12 north diesel interstitial has low brine level, unable to get sensor into normal state at departure, should be filled back up with brine.

Technician Signature:

PROFESSIONAL TANK INVESTIGATION CORP

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Facility ID Facility Name and Address	Test Date
6550 Road Ranger #226 1601 E. Main Greenwood IN 46143	2023-02-27

Sensor Inspection/Certification

Was as system setup printed? Yes

Sensor Location	Type	Sensor in proper position when ARRIVED?	Sensor in Alarm when ARRIVED?	Functionality Test Result (Pass/Fail)	Sensor in proper position when LEFT site?	Sensor in Alarm when LEFT site?	Water present below sensor?	Is the sensor programmed for positive shutdown?	Did sensor shut down sub motor?
L16 Oil Water Interstitial	Rope	Yes	Yes	Fail	Yes	Yes	No	No	No
L17 H Valve Sump Sensor	Tri-State	Yes	Yes	Pass	Yes	Yes	Yes	No	No
L18 DEF Fill Sump	Tri-State	Yes	Yes	Pass	Yes	Yes	Yes	No	No
L19 DEF STP	Tri-State	Yes	Yes	Pass	Yes	Yes	Yes	No	No
L20 DEF interstitial	Rope	Yes	No	Inconclusi	Yes	No	No	No	No

Comments

L16 sensor was in sensor out alarm at arrival, got sensor to read fuel alarm but would not read normal outside of tank. There is no water in double wall, rope sensor will need to be replaced

L12 def interstitial sensor has no return cable. Unable to test sensor, will need return cable installed to test sensor and put back in proper position

Technician Signature:

PROFESSIONAL TANK INVESTIGATION CORP.
PO Box 80265 Saukville, WI 53080 www.protanic.com (262) 268-1150

Site ID/Facility Name and Address	Test Date
6550 Road Ranger #226 1601 E. Main Greenwood IN 46143	2023-02-27

Pressure Vacuum (PV) Vent Cap Test

Product Type	Regular	Result	☑ Pass ☐ Fail	PV Valve Manufacturer	OPW	Model Number	623
Manufacturer's Specified Positive Leak Rate	3 " wc			Manufacturer's Specified Negative Leak Rate	-8 " wc		
Measured Positive Leak Rate	.29 CFH			Measured Negative Leak Rate	.31 CFH		
Positive Cracking Pressure	3.1" wc			Negative Cracking Pressure	-8.2" wc		

Product Type	Regular	Result	☑ Pass ☐ Fail	PV Valve Manufacturer	OPW	Model Number	623
Manufacturer's Specified Positive Leak Rate	3 " wc			Manufacturer's Specified Negative Leak Rate	-8 " wc		
Measured Positive Leak Rate	.31 CFH			Measured Negative Leak Rate	.32 CFH		
Positive Cracking Pressure	3.2" wc			Negative Cracking Pressure	-8.1" wc		

Product Type	Mid-Grade	Result	☑ Pass ☐ Fail	PV Valve Manufacturer	OPW	Model Number	623
Manufacturer's Specified Positive Leak Rate	3 " wc			Manufacturer's Specified Negative Leak Rate	-8 " wc		
Measured Positive Leak Rate	.32 CFH			Measured Negative Leak Rate	.31 CFH		
Positive Cracking Pressure	3.2" wc			Negative Cracking Pressure	-8.1" wc		

Product Type	Premium	Result	☑ Pass ☐ Fail	PV Valve Manufacturer	OPW	Model Number	623
Manufacturer's Specified Positive Leak Rate	3 " wc			Manufacturer's Specified Negative Leak Rate	-8 " wc		
Measured Positive Leak Rate	.30 CFH			Measured Negative Leak Rate	.33 CFH		
Positive Cracking Pressure	3.3" wc			Negative Cracking Pressure	-8.3" wc		

Product Type		Result	☐ Pass ☐ Fail	PV Valve Manufacturer		Model Number	
Manufacturer's Specified Positive Leak Rate	" wc			Manufacturer's Specified Negative Leak Rate	" wc		
Measured Positive Leak Rate	CFH			Measured Negative Leak Rate	CFH		
Positive Cracking Pressure	" wc			Negative Cracking Pressure	" wc		

Comments

Technician Signature:

PROFESSIONAL TANK INVESTIGATION CORP.
PO Box 80265 Saukville, WI 53080 www.protanic.com (262) 268-1150

Site ID/Facility Name and Address	Test Date
6550 Road Ranger #226 1601 E. Main Greenwood IN 46143	2023-02-27

SHEAR VALVE INSPECTION

FUELING DISPENSER #	PRODUCT	Anchored Properly		Proper Height	
		YES	NO	YES	NO
1/2	Regular	✓		✓	
	Mid-Grade	✓		✓	
	Premium	✓		✓	
	Diesel				
3/4	Regular	✓		✓	
	Mid-Grade	✓		✓	
	Premium	✓		✓	
	Diesel				
5/6	Regular	✓		✓	
	Mid-Grade	✓		✓	
	Premium	✓		✓	
	Diesel				
7/8	Regular	✓		✓	
	Mid-Grade	✓		✓	
	Premium	✓		✓	
	Diesel				
9/10 auto dsl	Regular	✓		✓	
	Mid-Grade	✓		✓	
	Premium	✓		✓	
	Diesel	✓		✓	
11/12 auto dsl	Regular	✓		✓	
	Mid-Grade	✓		✓	
	Premium	✓		✓	
	Diesel	✓		✓	

FUELING DISPENSER #	PRODUCT	Anchored Properly		Proper Height	
		YES	NO	YES	NO
Dsl 17 satellite	Regular				
	Mid-Grade				
	Premium				
	Diesel	✓		✓	
Dsl 17 master	Dsl	✓		✓	
	Dsl	✓		✓	
	Dsl				
	Diesel				
Dsl 18 master	Dsl	✓		✓	
	Dsl	✓		✓	
	Dsl				
	Diesel				
Dsl 19 master	Dsl	✓		✓	
	Dsl	✓		✓	
	Dsl				
	Diesel				
Dsl 20 master	Dsl	✓		✓	
	Dsl	✓		✓	
	Dsl				
	Diesel				
Dsl 21 master	Dsl	✓		✓	
	Dsl	✓		✓	
	Dsl				
	Diesel				

Comments

Technician Signature:

PROFESSIONAL TANK INVESTIGATION CORP.
PO Box 80265 Saukville, WI 5308 www.protanic.com (262) 268-1150

Site ID/Facility Name and Address	Test Date
6550 Road Ranger #226 1601 E. Main Greenwood IN 46143	2023-02-27

SHEAR VALVE INSPECTION

FUELING DISPENSER #	PRODUCT	Anchored Properly		Proper Height	
		YES	NO	YES	NO
Dsl 22 master	Dsl	✓		✓	
	Dsl	✓		✓	
	Dsl				
	Diesel				
Dsl 22 satellite	Regular				
	Mid-Grade				
	Pul				
	Diesel	✓		✓	
	Regular				
	Mid-Grade				
	Premium				
	Diesel				
	Regular				
	Mid-Grade				
	Premium				
	Diesel				
	Regular				
	Mid-Grade				
	Premium				
	Diesel				
	Regular				
	Mid-Grade				
	Premium				
	Diesel				

FUELING DISPENSER #	PRODUCT	Anchored Properly		Proper Height	
		YES	NO	YES	NO
	Regular				
	Mid-Grade				
	Premium				
	Diesel				
	Regular				
	Mid-Grade				
	Premium				
	Diesel				
	Regular				
	Mid-Grade				
	Premium				
	Diesel				
	Regular				
	Mid-Grade				
	Premium				
	Diesel				
	Regular				
	Mid-Grade				
	Premium				
	Diesel				
	Regular				
	Mid-Grade				
	Premium				
	Diesel				

Comments

Technician Signature:

PROTANIC, INC. PROFESSIONAL TANK INVESTIGATION CORP.
P.O. Box 80265 Saukville, Wisconsin 53080 Phone (262) 268-1150

REPAIR REQUEST

Date Test Performed: 2023-02-27

Location: Road Ranger #226
1601 E. Main

Greenwood IN 46143

Our technician found the following items require repair or replacement:
4 lines passed (auto diesel and truck side diesel manifold together)
4 mllds passed
1 mlld t1 unable to test, circuit breaker is off and locked out tagged out by Oscar Larson 12/2021, uploaded picture to sage
34 shear valves in 14 dispensers passed
4 pv vent caps passed

Stage 1 Failed

Vent tubing going into functional element on Pul sub is broken off and leaks vapor. Unable to isolate to pass stage 1. Will need to be fixed and stage 1 retested.

18/20 sensors passed with no positive shutdown

Failed L16 sensor was in sensor out alarm at arrival, got sensor to read fuel alarm but would not read normal outside of tank. There is no water in double wall, rope sensor will need to be replaced
Inconclusive- L12 def interstitial sensor has no return cable. Unable to test sensor, will need return cable installed to test sensor and put back in proper position

Atg completed with deficiencies
- all 8 diesel dispensers have minor product in sumps
- t1 diesel has 3.25" water per stick reading at atg
- t2 diesel has 3" water per stick reading at atg
- t3 diesel has 1" water per stick reading at atg
- Dsps 9/10, 11/12 have a minor diesel fuel
- t2 diesel spill bucket has 12" water
- t3,t4 diesel spill buckets have 6" fuel/water mix
- t1 diesel STP sump has 1" fuel
- t3 diesel STP has a trace of fuel

Additional labor 30min removing pea gravel from around atg probe cap on Pul

Technician

PROTANIC, INC. PROFESSIONAL TANK Investigation Corp.

P.O. Box 80265 Saukville, Wisconsin 53080 Phone (262) 268-1150

Post Site Inspection/Testing Checklist

Facility Name: Road Ranger #226

Address: 1601 E. Main

Greenwood IN 46143

Time In: 1245

Time Out: 6:30pm

Date: 2023-02-27

	N/A	YES	NO
1. All valves open and tags pulled: How many 9		✓	
2. Functional element/check valve open		✓	
3. Circuit breakers on: How many 4		✓	
4. Tank monitor functional		✓	
5. Impacts set: How many 34		✓	
6. Representative notified of any issues (Comments)		✓	
7. Site was left in working order		✓	
8. Did you follow safety protocol or procedures?		✓	
9. Did you review and update the site survey if necessary?		✓	
10. Were any parts added? If parts were added, did you fill out the Parts Replaced Form?			✓
11. Did you spend any extra time on site? If yes, how long? 30min		✓	

Comments:
Additional labor 30min removing pea gravel from around atg probe cap on Pul

Technician Signature: [signature]

Appendix B – Disposal Documents

SET Environmental, Inc

Straight Bill of Lading

BOL #:	23120212-1218
DATE:	

1st Transporter: SET Environmental, Inc. Phone: 317-831-1971 EPA ID #: ILD981957236

2nd Transporter: Phone:

Generator: Road Ranger - Greenwood Consignee: Vallcor Environmental Services Dayton

Address: 1615 E Main St Address: 300 Cherokee Drive

City, State, Zip: Greenwood, IN 46143 Dayton, OH 45417

Contact: Jon Powers 58230

Phone: (317) 313-0125

Broker Name: SET Environmental, Inc. Contact: John Murray

Location: Mooresville, IN Phone: (317) 296-0022

Emergency Response Provider:	SET Environmental, Inc.	PH:	317-831-1971
ER Contract #:		ER PH:	877-437-7455

HM	Quantity	Type (Drum, Bin, Pallet, Etc.)	Total Gallons	DOT Proper Shipping Description	Approval #
X	001	TT	1475	UN1993, Flammable liquids, n.o.s. (Gasoline, Diesel), 3, PGII	AD87021
				Job Number: 2312-0212	
				PO:	
				Exempt per. 40 CFR 261.2(c)(2)(ii)	
				Batch#	
				Client: Road Ranger	

CERTIFICATION: This is to certify that the above-named materials are properly classified, described, packaged, marked, & labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

The packages contain the material as described and does not contain any non - described materials. Received items are subject to the terms and conditions of the WM MWI Industrial service agreement. The transporter certifies that the above named materials were picked up and/or delivered in good condition or as otherwise noted.

Generator Signature:	Date:
1st Transporter Signature:	Date: 12.18.23
2nd Transpoder Signature:	Date: 12-18-23
Receiving Facility Signature:	Date Received:
Driver's Notes:	Arrive: Depart:

Invoice	3717
Invoice Date	12/19/2023
Due Date	01/03/2024
Payment Terms	Net 15 Days

BILL TO MIDWEST MAINTENANCE AND CONTRUCTION
PO BOX 7035
GREENWOOD, IN 46142

Date	WO#	PO#	Ticket	Service	Quantity	Charge	Total
1615 East Main Street, Greenwood, IN, 46143							
12/18/2023	12072	58230		20 YD Delivery	1	$512.00	**$512.00**

Charges	$512.00
Surcharges	$0.00
Sales Tax	$0.00
Invoice Total	**$512.00**
Payments Made	$512.00
Balance Due	$0.00

Please remit payment to:

Dumpster on Demand

ATTN: Lisa A Thomas

10501 East Washington St

Indianapolis, IN 46229

If you have any questions regarding this invoice or would like to set up ACH payments, please call 317-800-9624.

Invoice	4036
Invoice Date	01/22/2024
Due Date	02/06/2024
Payment Terms	Net 15 Days

BILL TO MIDWEST MAINTENANCE AND CONTRUCTION
PO BOX 7035
GREENWOOD, IN 46142

Date	WO#	PO#	Ticket	Service	Quantity	Charge	Total
1615 East Main Street, Greenwood, IN, 46143							
01/16/2024	13297	58230	1082664	20 YD Final Pull	1	$0.00	**$0.00**
01/16/2024	13297	58230	1082664	usageDays	14	$210.00	**$210.00**

Charges	$210.00
Surcharges	$0.00
Sales Tax	$14.70
Invoice Total	**$224.70**
Payments Made	$224.70
Balance Due	$0.00

Please remit payment to:

Dumpster on Demand

ATTN: Lisa A Thomas

10501 East Washington St

Indianapolis, IN 46229

If you have any questions regarding this invoice or would like to set up ACH payments, please call 317-800-9624.

WASTE MANAGEMENT

Crossroads Eco Center
2920 East US Highway 52, SRCD2329/Q992164
Morristown, IN, 46161
Ph: 765-740-4666

Original
Ticket# 149302

Customer Name ATLASTECHN620457IN ATLAS TECH
Ticket Date 03/18/2024
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 47
Destination
PO
Profile 620457IN (DIESEL IMPACTED SOIL)
Generator 141-ROAD1615 ROAD RANGER

Carrier DEN DENNEY
Vehicle# 283
Container
Driver
Check#
Billing # 0000459
Gen EPA ID
Grid

Volume

	Time	Scale	Operator	Inbound		
In	03/18/2024 13:49:51	SCALE 1	kwilley		Gross	71220 lb
Out	03/18/2024 14:31:56	SCALE 2	kwilley		Tare	37640 lb
					Net	33580 lb
					Tons	16.79

Comments

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Spwaste Solid Oth-	100	16.79	Tons				IN-JOHNSON
2	ENERGY-Energy Surc	100		%				IN-JOHNSON
3	WWM-P-Waste Water	100		%				IN-JOHNSON

Total Fees
Total Ticket

Driver's Signature

Appendix C – Photographic Documentation

PHOTOGRAPH 1

View to the south of the UST excavation cavity before in-place closure of the two USTs, showing USTs being cleaned of the USTs. December 18, 2023

PHOTOGRAPH 2

View to the east of the UST excavation cavity before in-place closure of the two USTs, showing the tops of the two diesel USTs. December 18, 2023

PHOTOGRAPH 3

View to the northeast of the UST cavity, showing the uncovered diesel fuel sump containment. December 20, 2023

PHOTOGRAPH 4

View to the northwest of the UST cavity during the in-place closure, showing the two diesel USTs being filled with pea gravel. December 19, 2023

PHOTOGRAPH 5

View to the east of the UST cavity, showing the diesel sump containment to be removed.
December 20, 2023

PHOTOGRAPH 6

View to the east of the UST cavity, showing the diesel product lines to be removed.
December 20, 2023

PHOTOGRAPH 7

View to the east of the UST cavity beneath the diesel product lines, showing the native soil where the sample Line-1 was collected. December 20, 2023

PHOTOGRAPH 8

View to the east of the UST cavity beneath the diesel sump connection, showing the native soil where the sample Line-2 was collected. December 20, 2023

PHOTOGRAPH 9

View to the east of the UST cavity, showing the pile of pea gravel and native soil that was removed from beneath the diesel product piping and the sump containment. December 20, 2023

Appendix D – Soil Boring Logs

7988 Centerpoint Drive, Suite 100
Indianapolis, IN 46256
(317) 849-4990
Fax (317) 849-4278

TEST BORING LOG

CLIENT **Road Ranger LLC**
PROJECT NAME **Road Ranger #226**
PROJECT LOCATION **1615 East Main Street**
Greenwood, Indiana

BORING # **B-10**
JOB # **170EM01168**

DRILLING and SAMPLING INFORMATION

Date Started	2/27/24	Well Material	PVC
Date Completed	2/27/24	Well Diameter	1.0 in.
Drill Foreman	SCS	Screen Length	10 ft
Inspector	K. Van Hoy	Slot Size	0.010 in.
Boring Method	Geoprobe	Development Method	CV

TEST DATA

SOIL CLASSIFICATION / SURFACE ELEVATION	Stratum Depth	Depth Scale	Well Diagram	Sample No.	Recovery (ft)	Groundwater	Total Photoionizable Vapors (ppm)	Sampling Notes
CONCRETE	0.5			1			208.4	A hand-auger was used to advance the first five feet of this boring to reduce the possibility of damaging unidentified underground utilities.
Pea gravel and sand (FILL)				2	0.5		426.3	
- wet / saturated below 4.0 ft		5		3		●	499.2	
				4	0.5		--	
				5			410.5	The soil samples collected from the 10-12 ft and 14-16 ft intervals were submitted for laboratory analysis.
		10		6	1.0		396.2	
Brown, wet, stiff, non-plastic, CLAY (CL)	11.0							
Brown, wet, medium dense, poorly graded, fine grained, SAND (SP)	12.0			7			421.4	
Gray, damp, stiff, non-plastic, CLAY (CL)	14.0			8	3.0			
Gray, damp, stiff, non-plastic, SANDY SILT (ML)	15.0	15					451.3	
Bottom of boring at 16 ft	16.0							A temporary well was installed in this boring for the collection of a groundwater sample. Following, sampling, the well was removed and abandoned by a licensed driller.
								Driller License Number 637

TPV - Total Photo-Ionization Vapors
TFV - Total Flame-Ionization Vapors
PPM - Parts Per Million
ND - None Detected
PVC - Polyvinyl Chloride
NA - Not Analyzed

Depth to Groundwater
● Noted on Drilling Tools **4.0** ft.
▽ At Completion (open hole) **--** ft.
▼ After **--** hours **--** ft.
Cave Depth **--** ft.

GP - Geoprobe
HSA - Hollow Stem Augers
HA - Hand Auger
BLR - Bailer
BP - Bladder Pump
PP - Peristaltic Pump
CV - Check Valve

7988 Centerpoint Drive, Suite 100
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TEST BORING LOG

CLIENT **Road Ranger LLC** BORING # **B-11**
PROJECT NAME **Road Ranger #226** JOB # **170EM01168**
PROJECT LOCATION **1615 East Main Street**
Greenwood, Indiana

DRILLING and SAMPLING INFORMATION

Date Started	2/27/24	Well Material	PVC
Date Completed	2/27/24	Well Diameter	1.0 in.
Drill Foreman	SCS	Screen Length	10 ft
Inspector	K. Van Hoy	Slot Size	0.010 in.
Boring Method	Geoprobe	Development Method	CV

TEST DATA

SOIL CLASSIFICATION / SURFACE ELEVATION	Stratum Depth	Depth Scale	Well Diagram	Sample No.	Recovery (ft)	Groundwater	Total Photoionizable Vapors (ppm)	Sampling Notes
CONCRETE	0.5			1			364.5	A hand-auger was used to advance the first five feet of this boring to reduce the possibility of damaging unidentified underground utilities.
Pea gravel and sand (FILL)				2	0.5		356.2	
		5		3			306.5	
				4	0.5		413.7	
- wet / saturated below 8.0 ft				5		●	--	
	10.5	10		6	1.0		269.1	The soil samples collected from the 10-12 ft, 14-16 ft, and 18-20 ft intervals were submitted for laboratory analysis.
Brown, wet, stiff, non-plastic, SANDY SILT (ML)	12.0			7			112.5	
Brown, wet, medium dense, poorly graded, fine grained, SAND (SP)	14.0			8	1.0		140.7	
Brown, wet, stiff, non-plastic, SANDY SILT (ML)		15		9			1.0	
	17.0			10	4.0		0.0	
Gray, wet, soft, low plasticity, CLAYEY SILT (ML)	20.0	20						
Bottom of boring at 20 ft								A temporary well was installed in this boring for the collection of a groundwater sample. Following, sampling, the well was removed and abandoned by a licensed driller.
								Driller License Number 637

TPV - Total Photo-Ionization Vapors
TFV - Total Flame-Ionization Vapors
PPM - Parts Per Million
ND - None Detected
PVC - Polyvinyl Chloride
NA - Not Analyzed

Depth to Groundwater
● Noted on Drilling Tools 8.0 ft.
▽ At Completion (open hole) -- ft.
▼ After -- hours -- ft.
Cave Depth -- ft.

GP - Geoprobe
HSA - Hollow Stem Augers
HA - Hand Auger
BLR - Bailer
BP - Bladder Pump
PP - Peristaltic Pump
CV - Check Valve

ENV_GEOPROBE_WELL REV1 170EM01168.GPJ ATCENVGE.GDT 2/29/24

7988 Centerpoint Drive, Suite 100
Indianapolis, IN 46256
(317) 849-4990
Fax (317) 849-4278

TEST BORING LOG

CLIENT **Road Ranger LLC**
PROJECT NAME **Road Ranger #226**
PROJECT LOCATION **1615 East Main Street**
Greenwood, Indiana

BORING # **B-12**
JOB # **170EM01168**

DRILLING and SAMPLING INFORMATION

Date Started	2/27/24	Well Material	PVC
Date Completed	2/27/24	Well Diameter	1.0 in.
Drill Foreman	SCS	Screen Length	10 ft
Inspector	K. Van Hoy	Slot Size	0.010 in.
Boring Method	Geoprobe	Development Method	CV

TEST DATA

SOIL CLASSIFICATION / SURFACE ELEVATION	Stratum Depth	Depth Scale	Well Diagram	Sample No.	Recovery (ft)	Groundwater	Total Photoionizable Vapors (ppm)	Sampling Notes
CONCRETE	0.5			1			100.9	A hand-auger was used to advance the first five feet of this boring to reduce the possibility of damaging unidentified underground utilities.
Pea gravel and sand (FILL)				2	0.5		188.8	
				3		●	280.6	
Gray / brown, wet, medium soft, low plasticity, CLAYEY SILT (ML)	5.0	5		4	0.5		194.5	
Brown, wet, loose, poorly graded, fine grained, SILTY SAND (SM)	8.0			5			160.1	The soil samples collected from the 6-8 ft, 10-12 ft, and 14-16 ft intervals were submitted for laboratory analysis.
Brown, wet, stiff, low plasticity, SANDY SILT (ML)	10.0	10		6	3.0		82.4	
Gray, wet, stiff, non-plastic, CLAYEY SILT (ML)	12.0			7			33.7	
		15		8	4.0		67.0	
Bottom of boring at 16 ft	16.0							A temporary well was installed in this boring for the collection of a groundwater sample. Following, sampling, the well was removed and abandoned by a licensed driller.
								Driller License Number 637

TPV - Total Photo-Ionization Vapors
TFV - Total Flame-Ionization Vapors
PPM - Parts Per Million
ND - None Detected
PVC - Polyvinyl Chloride
NA - Not Analyzed

Depth to Groundwater
● Noted on Drilling Tools **5.0** ft.
▽ At Completion (open hole) **--** ft.
▼ After **--** hours **--** ft.
Cave Depth **--** ft.

GP - Geoprobe
HSA - Hollow Stem Augers
HA - Hand Auger
BLR - Bailer
BP - Bladder Pump
PP - Peristaltic Pump
CV - Check Valve

7988 Centerpoint Drive, Suite 100
Indianapolis, IN 46256
(317) 849-4990
Fax (317) 849-4278

TEST BORING LOG

CLIENT **Road Ranger LLC**
PROJECT NAME **Road Ranger #226**
PROJECT LOCATION **1615 East Main Street**
Greenwood, Indiana

BORING # **B-13**
JOB # **170EM01168**

DRILLING and SAMPLING INFORMATION

Date Started	2/27/24	Well Material	PVC
Date Completed	2/27/24	Well Diameter	1.0 in.
Drill Foreman	SCS	Screen Length	10 ft
Inspector	K. Van Hoy	Slot Size	0.010 in.
Boring Method	Geoprobe	Development Method	CV

TEST DATA

SOIL CLASSIFICATION / SURFACE ELEVATION	Stratum Depth	Depth Scale	Well Diagram	Sample No.	Recovery (ft)	Groundwater	Total Photoionizable Vapors (ppm)	Sampling Notes
CONCRETE	0.5			1			180.9	A hand-auger was used to advance the first five feet of this boring to reduce the possibility of damaging unidentified underground utilities.
Pea gravel and sand (FILL)	2.0			2	3.0		110.6	
Gray, damp, stiff, low plasticity, CLAYEY SILT (ML)	4.0			3			89.7	
Gray, damp, stiff, low plasticity, SILTY CLAY (CL)		5		4	3.0		39.7	
- brown below 8.0 ft				5			90.0	The soil samples collected from the 2-4 ft, 8-10 ft, and 14-16 ft intervals were submitted for laboratory analysis. The blind duplicate soil sample was collected from the 2-4 ft interval.
		10		6	4.0		91.8	
Brown, wet, loose, poorly graded, fine grained, SILTY SAND (SM)	12.0			7		●	174.9	
Brown / gray, wet, stiff, low plasticity, CLAYEY SILT (ML)	13.0			8	4.0		62.0	
		15						
Bottom of boring at 16 ft	16.0							A temporary well was installed in this boring for the collection of a groundwater sample. Following, sampling, the well was removed and abandoned by a licensed driller.
								Driller License Number 637

TPV - Total Photo-Ionization Vapors
TFV - Total Flame-Ionization Vapors
PPM - Parts Per Million
ND - None Detected
PVC - Polyvinyl Chloride
NA - Not Analyzed

Depth to Groundwater
● Noted on Drilling Tools 12.0 ft.
▽ At Completion (open hole) -- ft.
▼ After -- hours -- ft.
Cave Depth -- ft.

GP - Geoprobe
HSA - Hollow Stem Augers
HA - Hand Auger
BLR - Bailer
BP - Bladder Pump
PP - Peristaltic Pump
CV - Check Valve

7988 Centerpoint Drive, Suite 100
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Fax (317) 849-4278

TEST BORING LOG

CLIENT **Road Ranger LLC**
PROJECT NAME **Road Ranger #226**
PROJECT LOCATION **1615 East Main Street**
Greenwood, Indiana

BORING # **B-14**
JOB # **170EM01168**

DRILLING and SAMPLING INFORMATION

Date Started	2/27/24	Well Material	PVC
Date Completed	2/27/24	Well Diameter	1.0 in.
Drill Foreman	SCS	Screen Length	10 ft
Inspector	K. Van Hoy	Slot Size	0.010 in.
Boring Method	Geoprobe	Development Method	CV

TEST DATA

SOIL CLASSIFICATION / SURFACE ELEVATION	Stratum Depth	Depth Scale	Well Diagram	Sample No.	Recovery (ft)	Groundwater	Total Photoionizable Vapors (ppm)	Sampling Notes
CONCRETE	0.5			1			12.9	A hand-auger was used to advance the first five feet of this boring to reduce the possibility of damaging unidentified underground utilities.
Pea gravel and sand (FILL)				2	2.5		54.3	
	3.0							
Gray, damp, stiff, CLAYEY SILT (ML)		5		3			40.9	
				4	2.5		30.2	
				5			55.4	The soil samples collected from the 2-4 ft, 8-10 ft, and 14-16 ft intervals were submitted for laboratory analysis. The MS/MSD soil sample was collected from the 8-10 ft interval.
- brown and soft below 9.0 ft		10		6	3.0		97.3	
	12.0					●		
Brown, wet, soft, poorly graded, fine grained, SILTY SAND (SM)	13.0			7			109.4	
Brown, wet, stiff, low plasticity, CLAYEY SILT (ML)				8	4.0			
	15.0	15					127.1	
Brown, wet, loose, poorly graded, fine grained, SILTY SAND (SM)	16.0							
Bottom of boring at 16 ft								A temporary well was installed in this boring for the collection of a groundwater sample. Following, sampling, the well was removed and abandoned by a licensed driller.
								Driller License Number 637

TPV - Total Photo-Ionization Vapors
TFV - Total Flame-Ionization Vapors
PPM - Parts Per Million
ND - None Detected
PVC - Polyvinyl Chloride
NA - Not Analyzed

Depth to Groundwater
● Noted on Drilling Tools **12.0** ft.
▽ At Completion (open hole) **--** ft.
▼ After **--** hours **--** ft.
Cave Depth **--** ft.

GP - Geoprobe
HSA - Hollow Stem Augers
HA - Hand Auger
BLR - Bailer
BP - Bladder Pump
PP - Peristaltic Pump
CV - Check Valve

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TEST BORING LOG

CLIENT **Road Ranger LLC**
PROJECT NAME **Road Ranger #226**
PROJECT LOCATION **1615 East Main Street**
Greenwood, Indiana

BORING # **B-15**
JOB # **170EM01168**

DRILLING and SAMPLING INFORMATION

Date Started	2/27/24	Well Material	PVC
Date Completed	2/27/24	Well Diameter	1.0 in.
Drill Foreman	SCS	Screen Length	10 ft
Inspector	K. Van Hoy	Slot Size	0.010 in.
Boring Method	Geoprobe	Development Method	CV

TEST DATA

SOIL CLASSIFICATION / SURFACE ELEVATION	Stratum Depth	Depth Scale	Well Diagram	Sample No.	Recovery (ft)	Groundwater	Total Photoionizable Vapors (ppm)	Sampling Notes
CONCRETE	0.5			1			612.8	A hand-auger was used to advance the first five feet of this boring to reduce the possibility of damaging unidentified underground utilities.
Pea gravel and sand (FILL)				2	0.5		893.5	
		5		3			--	
				4	0.0		--	
				5			1174	
		10		6	0.5		464.2	The soil samples collected from the 12-14 ft, 14-16 ft, and 18-20 ft intervals were submitted for laboratory analysis.
Brown, moist, stiff, low plasticity, CLAYEY SILT (ML)	11.0			7			409.4	
	15.0	15		8	3.0	●	472.8	
Brown, wet, medium dense, poorly graded, fine grained, SILTY SAND (SM)	16.0			9			379.1	
Gray, wet, stiff, non-plastic, CLAYEY SILT (ML)	18.0			10	4.0		397.2	
Gray, wet, medium dense, poorly graded, fine grained, SILTY SAND (SM)	20.0	20						
Bottom of boring at 20 ft								A temporary well was installed in this boring for the collection of a groundwater sample. Following, sampling, the well was removed and abandoned by a licensed driller.
								Driller License Number 637

TPV - Total Photo-Ionization Vapors
TFV - Total Flame-Ionization Vapors
PPM - Parts Per Million
ND - None Detected
PVC - Polyvinyl Chloride
NA - Not Analyzed

Depth to Groundwater
● Noted on Drilling Tools **15.0** ft.
▽ At Completion (open hole) **--** ft.
▼ After **--** hours **--** ft.
Cave Depth **--** ft.

GP - Geoprobe
HSA - Hollow Stem Augers
HA - Hand Auger
BLR - Bailer
BP - Bladder Pump
PP - Peristaltic Pump
CV - Check Valve

Appendix E – Laboratory Analytical Reports

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

January 08, 2024

Mr. Phil Schlak
ATC Associates, Inc.
7988 Centerpoint Drive
Suite 100
Indianapolis, IN 46256

RE: Project: Road Ranger 226
Pace Project No.: 50362129

Dear Mr. Schlak:

Enclosed are the analytical results for sample(s) received by the laboratory on December 21, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Indianapolis

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

Sincerely,

Will Statz
will.statz@pacelabs.com
(317)228-3105
Project Manager

Enclosures

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

CERTIFICATIONS

Project: Road Ranger 226
Pace Project No.: 50362129

Pace Analytical Services Indianapolis

7726 Moller Road, Indianapolis, IN 46268
Illinois Accreditation #: 200074
Indiana Drinking Water Laboratory #: C-49-06
Kansas/TNI Certification #: E-10177
Kentucky UST Agency Interest #: 80226
Kentucky WW Laboratory ID #: 98019
Michigan Drinking Water Laboratory #9050
Ohio VAP Certified Laboratory #: CL0065
Oklahoma Laboratory #: 9204
Texas Certification #: T104704355
Washington Dept of Ecology #: C1081
Wisconsin Laboratory #: 999788130
USDA Foreign Soil Permit #: 525-23-13-23119
USDA Compliance Agreement #: IN-SL-22-001

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: Road Ranger 226
Pace Project No.: 50362129

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50362129001	**Line -1**	Solid	12/20/23 15:05	12/21/23 10:25
50362129002	**Line -2**	Solid	12/20/23 15:40	12/21/23 10:25
50362129003	**DUP-SL-1**	Solid	12/20/23 08:00	12/21/23 10:25
50362129004	**TB-1**	Solid	12/20/23 15:00	12/21/23 10:25
50362129005	**Pile-1**	Solid	12/21/23 09:20	12/21/23 10:25

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

SAMPLE ANALYTE COUNT

Project: Road Ranger 226
Pace Project No.: 50362129

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50362129001	**Line -1**	EPA 6010	MTM	1	PASI-I
		EPA 8270 by SIM	JCM	20	PASI-I
		EPA 8260	SLB	72	PASI-I
		SM 2540G	JTR	1	PASI-I
50362129002	**Line -2**	EPA 6010	MTM	1	PASI-I
		EPA 8270 by SIM	JCM	20	PASI-I
		EPA 8260	SLB	72	PASI-I
		SM 2540G	JTR	1	PASI-I
50362129003	**DUP-SL-1**	EPA 6010	MTM	1	PASI-I
		EPA 8270 by SIM	JCM	20	PASI-I
		EPA 8260	SLB	72	PASI-I
		SM 2540G	JTR	1	PASI-I
50362129004	**TB-1**	EPA 8260	SLB	72	PASI-I
50362129005	**Pile-1**	EPA 6010	MTM	1	PASI-I
		EPA 8270 by SIM	JCM	20	PASI-I
		EPA 8260	SLB	72	PASI-I
		SM 2540G	JTR	1	PASI-I

PASI-I = Pace Analytical Services - Indianapolis

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

SUMMARY OF DETECTION

Project: Road Ranger 226
Pace Project No.: 50362129

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50362129001	**Line -1**					
EPA 6010	Lead	16.6	mg/kg	1.2	01/04/24 12:24	
EPA 8270 by SIM	Acenaphthene	39.6	ug/kg	6.4	12/22/23 19:24	
EPA 8270 by SIM	Anthracene	55.0	ug/kg	6.4	12/22/23 19:24	
EPA 8270 by SIM	Benzo(a)anthracene	11.5	ug/kg	6.4	12/22/23 19:24	R1
EPA 8270 by SIM	Benzo(b)fluoranthene	7.5	ug/kg	6.4	12/22/23 19:24	R1
EPA 8270 by SIM	Chrysene	11.1	ug/kg	6.4	12/22/23 19:24	
EPA 8270 by SIM	Fluoranthene	70.3	ug/kg	6.4	12/22/23 19:24	
EPA 8270 by SIM	Fluorene	157	ug/kg	6.4	12/22/23 19:24	
EPA 8270 by SIM	1-Methylnaphthalene	27.0	ug/kg	6.4	12/22/23 19:24	
EPA 8270 by SIM	2-Methylnaphthalene	82.4	ug/kg	6.4	12/22/23 19:24	
EPA 8270 by SIM	Naphthalene	310	ug/kg	6.4	12/22/23 19:24	M1
EPA 8270 by SIM	Phenanthrene	186	ug/kg	6.4	12/22/23 19:24	
EPA 8270 by SIM	Pyrene	51.7	ug/kg	6.4	12/22/23 19:24	
SM 2540G	Percent Moisture	22.0	%	0.10	12/27/23 14:01	N2
50362129002	**Line -2**					
EPA 6010	Lead	17.2	mg/kg	1.2	01/04/24 12:35	
EPA 8270 by SIM	Acenaphthene	19.1	ug/kg	6.1	12/22/23 20:06	
EPA 8270 by SIM	Acenaphthylene	17.8	ug/kg	6.1	12/22/23 20:06	
EPA 8270 by SIM	Anthracene	23.7	ug/kg	6.1	12/22/23 20:06	
EPA 8270 by SIM	Benzo(a)anthracene	11.7	ug/kg	6.1	12/22/23 20:06	
EPA 8270 by SIM	Benzo(a)pyrene	9.7	ug/kg	6.1	12/22/23 20:06	
EPA 8270 by SIM	Benzo(b)fluoranthene	14.5	ug/kg	6.1	12/22/23 20:06	
EPA 8270 by SIM	Benzo(g,h,i)perylene	6.2	ug/kg	6.1	12/22/23 20:06	
EPA 8270 by SIM	Chrysene	13.3	ug/kg	6.1	12/22/23 20:06	
EPA 8270 by SIM	Fluoranthene	26.8	ug/kg	6.1	12/22/23 20:06	
EPA 8270 by SIM	Fluorene	30.7	ug/kg	6.1	12/22/23 20:06	
EPA 8270 by SIM	1-Methylnaphthalene	35.4	ug/kg	6.1	12/22/23 20:06	
EPA 8270 by SIM	2-Methylnaphthalene	48.2	ug/kg	6.1	12/22/23 20:06	
EPA 8270 by SIM	Naphthalene	19.5	ug/kg	6.1	12/22/23 20:06	
EPA 8270 by SIM	Phenanthrene	29.6	ug/kg	6.1	12/22/23 20:06	
EPA 8270 by SIM	Pyrene	27.6	ug/kg	6.1	12/22/23 20:06	
EPA 8260	Acetone	159	ug/kg	118	12/27/23 19:35	
EPA 8260	n-Butylbenzene	21.7	ug/kg	5.9	12/27/23 19:35	
EPA 8260	sec-Butylbenzene	17.2	ug/kg	5.9	12/27/23 19:35	
EPA 8260	Ethylbenzene	8.7	ug/kg	5.9	12/27/23 19:35	
EPA 8260	Isopropylbenzene (Cumene)	9.1	ug/kg	5.9	12/27/23 19:35	
EPA 8260	p-Isopropyltoluene	15.4	ug/kg	5.9	12/27/23 19:35	
EPA 8260	n-Propylbenzene	22.9	ug/kg	5.9	12/27/23 19:35	
EPA 8260	1,2,4-Trimethylbenzene	77.9	ug/kg	5.9	12/27/23 19:35	
EPA 8260	1,3,5-Trimethylbenzene	31.0	ug/kg	5.9	12/27/23 19:35	
EPA 8260	Xylene (Total)	36.7	ug/kg	11.8	12/27/23 19:35	
SM 2540G	Percent Moisture	21.9	%	0.10	12/27/23 14:02	N2
50362129003	**DUP-SL-1**					
EPA 6010	Lead	15.2	mg/kg	1.2	01/04/24 12:36	
EPA 8270 by SIM	Benzo(b)fluoranthene	8.0	ug/kg	6.4	12/22/23 20:21	
EPA 8270 by SIM	Chrysene	6.6	ug/kg	6.4	12/22/23 20:21	

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: Road Ranger 226
Pace Project No.: 50362129

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50362129003	**DUP-SL-1**					
EPA 8270 by SIM	Fluoranthene	12.1	ug/kg	6.4	12/22/23 20:21	
EPA 8270 by SIM	Phenanthrene	8.1	ug/kg	6.4	12/22/23 20:21	
EPA 8270 by SIM	Pyrene	14.4	ug/kg	6.4	12/22/23 20:21	
EPA 8260	Acetone	136	ug/kg	121	12/27/23 20:06	
EPA 8260	n-Butylbenzene	42.9	ug/kg	6.0	12/27/23 20:06	
EPA 8260	sec-Butylbenzene	22.0	ug/kg	6.0	12/27/23 20:06	
EPA 8260	Ethylbenzene	20.3	ug/kg	6.0	12/27/23 20:06	
EPA 8260	Isopropylbenzene (Cumene)	18.1	ug/kg	6.0	12/27/23 20:06	
EPA 8260	p-Isopropyltoluene	23.1	ug/kg	6.0	12/27/23 20:06	
EPA 8260	n-Propylbenzene	51.8	ug/kg	6.0	12/27/23 20:06	
EPA 8260	1,2,4-Trimethylbenzene	172	ug/kg	6.0	12/27/23 20:06	
EPA 8260	1,3,5-Trimethylbenzene	71.9	ug/kg	6.0	12/27/23 20:06	
EPA 8260	Xylene (Total)	104	ug/kg	12.1	12/27/23 20:06	
SM 2540G	Percent Moisture	21.3	%	0.10	12/27/23 14:02	N2
50362129005	**Pile-1**					
EPA 6010	Lead	13.7	mg/kg	1.1	01/04/24 12:38	
EPA 8270 by SIM	Anthracene	12.8	ug/kg	5.9	12/22/23 20:35	
EPA 8270 by SIM	Benzo(a)anthracene	7.1	ug/kg	5.9	12/22/23 20:35	
EPA 8270 by SIM	Benzo(a)pyrene	8.6	ug/kg	5.9	12/22/23 20:35	
EPA 8270 by SIM	Benzo(b)fluoranthene	12.4	ug/kg	5.9	12/22/23 20:35	
EPA 8270 by SIM	Chrysene	9.6	ug/kg	5.9	12/22/23 20:35	
EPA 8270 by SIM	Fluoranthene	18.6	ug/kg	5.9	12/22/23 20:35	
EPA 8270 by SIM	1-Methylnaphthalene	33.3	ug/kg	5.9	12/22/23 20:35	
EPA 8270 by SIM	2-Methylnaphthalene	50.3	ug/kg	5.9	12/22/23 20:35	
EPA 8270 by SIM	Naphthalene	14.4	ug/kg	5.9	12/22/23 20:35	
EPA 8270 by SIM	Phenanthrene	12.4	ug/kg	5.9	12/22/23 20:35	
EPA 8270 by SIM	Pyrene	18.3	ug/kg	5.9	12/22/23 20:35	
EPA 8260	Acetone	228	ug/kg	96.0	12/27/23 21:07	
EPA 8260	2-Butanone (MEK)	48.0	ug/kg	24.0	12/27/23 21:07	
EPA 8260	Xylene (Total)	12.7	ug/kg	9.6	12/27/23 21:07	
SM 2540G	Percent Moisture	17.5	%	0.10	12/27/23 14:02	N2

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50362129

Sample: Line -1 **Lab ID: 50362129001** Collected: 12/20/23 15:05 Received: 12/21/23 10:25 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 Pace Analytical Services - Indianapolis							
Lead	**16.6**	mg/kg	1.2	1	01/02/24 15:59	01/04/24 12:24	7439-92-1	
8270 PAH Soil by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546 Pace Analytical Services - Indianapolis							
Acenaphthene	**39.6**	ug/kg	6.4	1	12/22/23 10:01	12/22/23 19:24	83-32-9	
Acenaphthylene	ND	ug/kg	6.4	1	12/22/23 10:01	12/22/23 19:24	208-96-8	
Anthracene	**55.0**	ug/kg	6.4	1	12/22/23 10:01	12/22/23 19:24	120-12-7	
Benzo(a)anthracene	**11.5**	ug/kg	6.4	1	12/22/23 10:01	12/22/23 19:24	56-55-3	R1
Benzo(a)pyrene	ND	ug/kg	6.4	1	12/22/23 10:01	12/22/23 19:24	50-32-8	R1
Benzo(b)fluoranthene	**7.5**	ug/kg	6.4	1	12/22/23 10:01	12/22/23 19:24	205-99-2	R1
Benzo(g,h,i)perylene	ND	ug/kg	6.4	1	12/22/23 10:01	12/22/23 19:24	191-24-2	R1
Benzo(k)fluoranthene	ND	ug/kg	6.4	1	12/22/23 10:01	12/22/23 19:24	207-08-9	R1
Chrysene	**11.1**	ug/kg	6.4	1	12/22/23 10:01	12/22/23 19:24	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	6.4	1	12/22/23 10:01	12/22/23 19:24	53-70-3	R1
Fluoranthene	**70.3**	ug/kg	6.4	1	12/22/23 10:01	12/22/23 19:24	206-44-0	
Fluorene	**157**	ug/kg	6.4	1	12/22/23 10:01	12/22/23 19:24	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	6.4	1	12/22/23 10:01	12/22/23 19:24	193-39-5	R1
1-Methylnaphthalene	**27.0**	ug/kg	6.4	1	12/22/23 10:01	12/22/23 19:24	90-12-0	
2-Methylnaphthalene	**82.4**	ug/kg	6.4	1	12/22/23 10:01	12/22/23 19:24	91-57-6	
Naphthalene	**310**	ug/kg	6.4	1	12/22/23 10:01	12/22/23 19:24	91-20-3	M1
Phenanthrene	**186**	ug/kg	6.4	1	12/22/23 10:01	12/22/23 19:24	85-01-8	
Pyrene	**51.7**	ug/kg	6.4	1	12/22/23 10:01	12/22/23 19:24	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	61	%.	23-115	1	12/22/23 10:01	12/22/23 19:24	321-60-8	
p-Terphenyl-d14 (S)	69	%.	19-136	1	12/22/23 10:01	12/22/23 19:24	1718-51-0	
8260 MSV 5035A VOA	Analytical Method: EPA 8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/kg	114	1		12/27/23 18:03	67-64-1	
Acrolein	ND	ug/kg	114	1		12/27/23 18:03	107-02-8	
Acrylonitrile	ND	ug/kg	114	1		12/27/23 18:03	107-13-1	
Benzene	ND	ug/kg	5.7	1		12/27/23 18:03	71-43-2	
Bromobenzene	ND	ug/kg	5.7	1		12/27/23 18:03	108-86-1	
Bromochloromethane	ND	ug/kg	5.7	1		12/27/23 18:03	74-97-5	
Bromodichloromethane	ND	ug/kg	5.7	1		12/27/23 18:03	75-27-4	
Bromoform	ND	ug/kg	5.7	1		12/27/23 18:03	75-25-2	
Bromomethane	ND	ug/kg	5.7	1		12/27/23 18:03	74-83-9	
2-Butanone (MEK)	ND	ug/kg	28.4	1		12/27/23 18:03	78-93-3	
n-Butylbenzene	ND	ug/kg	5.7	1		12/27/23 18:03	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.7	1		12/27/23 18:03	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.7	1		12/27/23 18:03	98-06-6	
Carbon disulfide	ND	ug/kg	11.4	1		12/27/23 18:03	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.7	1		12/27/23 18:03	56-23-5	
Chlorobenzene	ND	ug/kg	5.7	1		12/27/23 18:03	108-90-7	
Chloroethane	ND	ug/kg	5.7	1		12/27/23 18:03	75-00-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50362129

Sample: Line -1 **Lab ID: 50362129001** Collected: 12/20/23 15:05 Received: 12/21/23 10:25 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 Pace Analytical Services - Indianapolis							
Chloroform	ND	ug/kg	5.7	1		12/27/23 18:03	67-66-3	
Chloromethane	ND	ug/kg	5.7	1		12/27/23 18:03	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.7	1		12/27/23 18:03	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.7	1		12/27/23 18:03	106-43-4	
Dibromochloromethane	ND	ug/kg	5.7	1		12/27/23 18:03	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.7	1		12/27/23 18:03	106-93-4	
Dibromomethane	ND	ug/kg	5.7	1		12/27/23 18:03	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.7	1		12/27/23 18:03	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.7	1		12/27/23 18:03	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.7	1		12/27/23 18:03	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	114	1		12/27/23 18:03	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	5.7	1		12/27/23 18:03	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.7	1		12/27/23 18:03	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.7	1		12/27/23 18:03	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.7	1		12/27/23 18:03	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.7	1		12/27/23 18:03	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.7	1		12/27/23 18:03	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.7	1		12/27/23 18:03	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.7	1		12/27/23 18:03	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.7	1		12/27/23 18:03	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.7	1		12/27/23 18:03	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.7	1		12/27/23 18:03	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.7	1		12/27/23 18:03	10061-02-6	
Ethylbenzene	ND	ug/kg	5.7	1		12/27/23 18:03	100-41-4	
Ethyl methacrylate	ND	ug/kg	114	1		12/27/23 18:03	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	5.7	1		12/27/23 18:03	87-68-3	
n-Hexane	ND	ug/kg	5.7	1		12/27/23 18:03	110-54-3	
2-Hexanone	ND	ug/kg	114	1		12/27/23 18:03	591-78-6	
Iodomethane	ND	ug/kg	114	1		12/27/23 18:03	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	5.7	1		12/27/23 18:03	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.7	1		12/27/23 18:03	99-87-6	
Methylene Chloride	ND	ug/kg	22.7	1		12/27/23 18:03	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	28.4	1		12/27/23 18:03	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.7	1		12/27/23 18:03	1634-04-4	
n-Propylbenzene	ND	ug/kg	5.7	1		12/27/23 18:03	103-65-1	
Styrene	ND	ug/kg	5.7	1		12/27/23 18:03	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.7	1		12/27/23 18:03	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.7	1		12/27/23 18:03	79-34-5	
Tetrachloroethene	ND	ug/kg	5.7	1		12/27/23 18:03	127-18-4	
Toluene	ND	ug/kg	5.7	1		12/27/23 18:03	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.7	1		12/27/23 18:03	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.7	1		12/27/23 18:03	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.7	1		12/27/23 18:03	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.7	1		12/27/23 18:03	79-00-5	
Trichloroethene	ND	ug/kg	5.7	1		12/27/23 18:03	79-01-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50362129

Sample: Line -1 **Lab ID: 50362129001** Collected: 12/20/23 15:05 Received: 12/21/23 10:25 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							
	Pace Analytical Services - Indianapolis							
Trichlorofluoromethane	ND	ug/kg	5.7	1		12/27/23 18:03	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.7	1		12/27/23 18:03	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.7	1		12/27/23 18:03	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.7	1		12/27/23 18:03	108-67-8	
Vinyl acetate	ND	ug/kg	114	1		12/27/23 18:03	108-05-4	
Vinyl chloride	ND	ug/kg	5.7	1		12/27/23 18:03	75-01-4	
Xylene (Total)	ND	ug/kg	11.4	1		12/27/23 18:03	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101	%.	75-135	1		12/27/23 18:03	1868-53-7	
Toluene-d8 (S)	102	%.	65-148	1		12/27/23 18:03	2037-26-5	
4-Bromofluorobenzene (S)	95	%.	63-132	1		12/27/23 18:03	460-00-4	
Percent Moisture	Analytical Method: SM 2540G							
	Pace Analytical Services - Indianapolis							
Percent Moisture	**22.0**	%	0.10	1		12/27/23 14:01		N2

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50362129

Sample: Line -2 **Lab ID: 50362129002** Collected: 12/20/23 15:40 Received: 12/21/23 10:25 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 Pace Analytical Services - Indianapolis							
Lead	**17.2**	mg/kg	1.2	1	01/02/24 15:59	01/04/24 12:35	7439-92-1	
8270 PAH Soil by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546 Pace Analytical Services - Indianapolis							
Acenaphthene	**19.1**	ug/kg	6.1	1	12/22/23 10:01	12/22/23 20:06	83-32-9	
Acenaphthylene	**17.8**	ug/kg	6.1	1	12/22/23 10:01	12/22/23 20:06	208-96-8	
Anthracene	**23.7**	ug/kg	6.1	1	12/22/23 10:01	12/22/23 20:06	120-12-7	
Benzo(a)anthracene	**11.7**	ug/kg	6.1	1	12/22/23 10:01	12/22/23 20:06	56-55-3	
Benzo(a)pyrene	**9.7**	ug/kg	6.1	1	12/22/23 10:01	12/22/23 20:06	50-32-8	
Benzo(b)fluoranthene	**14.5**	ug/kg	6.1	1	12/22/23 10:01	12/22/23 20:06	205-99-2	
Benzo(g,h,i)perylene	**6.2**	ug/kg	6.1	1	12/22/23 10:01	12/22/23 20:06	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	6.1	1	12/22/23 10:01	12/22/23 20:06	207-08-9	
Chrysene	**13.3**	ug/kg	6.1	1	12/22/23 10:01	12/22/23 20:06	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	6.1	1	12/22/23 10:01	12/22/23 20:06	53-70-3	
Fluoranthene	**26.8**	ug/kg	6.1	1	12/22/23 10:01	12/22/23 20:06	206-44-0	
Fluorene	**30.7**	ug/kg	6.1	1	12/22/23 10:01	12/22/23 20:06	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	6.1	1	12/22/23 10:01	12/22/23 20:06	193-39-5	
1-Methylnaphthalene	**35.4**	ug/kg	6.1	1	12/22/23 10:01	12/22/23 20:06	90-12-0	
2-Methylnaphthalene	**48.2**	ug/kg	6.1	1	12/22/23 10:01	12/22/23 20:06	91-57-6	
Naphthalene	**19.5**	ug/kg	6.1	1	12/22/23 10:01	12/22/23 20:06	91-20-3	
Phenanthrene	**29.6**	ug/kg	6.1	1	12/22/23 10:01	12/22/23 20:06	85-01-8	
Pyrene	**27.6**	ug/kg	6.1	1	12/22/23 10:01	12/22/23 20:06	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	65	%.	23-115	1	12/22/23 10:01	12/22/23 20:06	321-60-8	
p-Terphenyl-d14 (S)	77	%.	19-136	1	12/22/23 10:01	12/22/23 20:06	1718-51-0	
8260 MSV 5035A VOA	Analytical Method: EPA 8260 Pace Analytical Services - Indianapolis							
Acetone	**159**	ug/kg	118	1		12/27/23 19:35	67-64-1	
Acrolein	ND	ug/kg	118	1		12/27/23 19:35	107-02-8	
Acrylonitrile	ND	ug/kg	118	1		12/27/23 19:35	107-13-1	
Benzene	ND	ug/kg	5.9	1		12/27/23 19:35	71-43-2	
Bromobenzene	ND	ug/kg	5.9	1		12/27/23 19:35	108-86-1	
Bromochloromethane	ND	ug/kg	5.9	1		12/27/23 19:35	74-97-5	
Bromodichloromethane	ND	ug/kg	5.9	1		12/27/23 19:35	75-27-4	
Bromoform	ND	ug/kg	5.9	1		12/27/23 19:35	75-25-2	
Bromomethane	ND	ug/kg	5.9	1		12/27/23 19:35	74-83-9	
2-Butanone (MEK)	ND	ug/kg	29.6	1		12/27/23 19:35	78-93-3	
n-Butylbenzene	**21.7**	ug/kg	5.9	1		12/27/23 19:35	104-51-8	
sec-Butylbenzene	**17.2**	ug/kg	5.9	1		12/27/23 19:35	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.9	1		12/27/23 19:35	98-06-6	
Carbon disulfide	ND	ug/kg	11.8	1		12/27/23 19:35	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.9	1		12/27/23 19:35	56-23-5	
Chlorobenzene	ND	ug/kg	5.9	1		12/27/23 19:35	108-90-7	
Chloroethane	ND	ug/kg	5.9	1		12/27/23 19:35	75-00-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50362129

Sample: Line -2 **Lab ID: 50362129002** Collected: 12/20/23 15:40 Received: 12/21/23 10:25 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 Pace Analytical Services - Indianapolis							
Chloroform	ND	ug/kg	5.9	1		12/27/23 19:35	67-66-3	
Chloromethane	ND	ug/kg	5.9	1		12/27/23 19:35	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.9	1		12/27/23 19:35	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.9	1		12/27/23 19:35	106-43-4	
Dibromochloromethane	ND	ug/kg	5.9	1		12/27/23 19:35	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.9	1		12/27/23 19:35	106-93-4	
Dibromomethane	ND	ug/kg	5.9	1		12/27/23 19:35	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.9	1		12/27/23 19:35	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.9	1		12/27/23 19:35	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.9	1		12/27/23 19:35	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	118	1		12/27/23 19:35	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	5.9	1		12/27/23 19:35	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.9	1		12/27/23 19:35	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.9	1		12/27/23 19:35	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.9	1		12/27/23 19:35	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.9	1		12/27/23 19:35	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.9	1		12/27/23 19:35	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.9	1		12/27/23 19:35	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.9	1		12/27/23 19:35	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.9	1		12/27/23 19:35	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.9	1		12/27/23 19:35	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.9	1		12/27/23 19:35	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.9	1		12/27/23 19:35	10061-02-6	
Ethylbenzene	**8.7**	ug/kg	5.9	1		12/27/23 19:35	100-41-4	
Ethyl methacrylate	ND	ug/kg	118	1		12/27/23 19:35	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	5.9	1		12/27/23 19:35	87-68-3	
n-Hexane	ND	ug/kg	5.9	1		12/27/23 19:35	110-54-3	
2-Hexanone	ND	ug/kg	118	1		12/27/23 19:35	591-78-6	
Iodomethane	ND	ug/kg	118	1		12/27/23 19:35	74-88-4	
Isopropylbenzene (Cumene)	**9.1**	ug/kg	5.9	1		12/27/23 19:35	98-82-8	
p-Isopropyltoluene	**15.4**	ug/kg	5.9	1		12/27/23 19:35	99-87-6	
Methylene Chloride	ND	ug/kg	23.6	1		12/27/23 19:35	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	29.6	1		12/27/23 19:35	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.9	1		12/27/23 19:35	1634-04-4	
n-Propylbenzene	**22.9**	ug/kg	5.9	1		12/27/23 19:35	103-65-1	
Styrene	ND	ug/kg	5.9	1		12/27/23 19:35	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.9	1		12/27/23 19:35	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.9	1		12/27/23 19:35	79-34-5	
Tetrachloroethene	ND	ug/kg	5.9	1		12/27/23 19:35	127-18-4	
Toluene	ND	ug/kg	5.9	1		12/27/23 19:35	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.9	1		12/27/23 19:35	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.9	1		12/27/23 19:35	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.9	1		12/27/23 19:35	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.9	1		12/27/23 19:35	79-00-5	
Trichloroethene	ND	ug/kg	5.9	1		12/27/23 19:35	79-01-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50362129

Sample: Line -2 **Lab ID: 50362129002** Collected: 12/20/23 15:40 Received: 12/21/23 10:25 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							
	Pace Analytical Services - Indianapolis							
Trichlorofluoromethane	ND	ug/kg	5.9	1		12/27/23 19:35	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.9	1		12/27/23 19:35	96-18-4	
1,2,4-Trimethylbenzene	**77.9**	ug/kg	5.9	1		12/27/23 19:35	95-63-6	
1,3,5-Trimethylbenzene	**31.0**	ug/kg	5.9	1		12/27/23 19:35	108-67-8	
Vinyl acetate	ND	ug/kg	118	1		12/27/23 19:35	108-05-4	
Vinyl chloride	ND	ug/kg	5.9	1		12/27/23 19:35	75-01-4	
Xylene (Total)	**36.7**	ug/kg	11.8	1		12/27/23 19:35	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	100	%.	75-135	1		12/27/23 19:35	1868-53-7	
Toluene-d8 (S)	104	%.	65-148	1		12/27/23 19:35	2037-26-5	
4-Bromofluorobenzene (S)	94	%.	63-132	1		12/27/23 19:35	460-00-4	
Percent Moisture	Analytical Method: SM 2540G							
	Pace Analytical Services - Indianapolis							
Percent Moisture	**21.9**	%	0.10	1		12/27/23 14:02		N2

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50362129

Sample: DUP-SL-1 **Lab ID: 50362129003** Collected: 12/20/23 08:00 Received: 12/21/23 10:25 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 Pace Analytical Services - Indianapolis							
Lead	**15.2**	mg/kg	1.2	1	01/02/24 15:59	01/04/24 12:36	7439-92-1	
8270 PAH Soil by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546 Pace Analytical Services - Indianapolis							
Acenaphthene	ND	ug/kg	6.4	1	12/22/23 10:01	12/22/23 20:21	83-32-9	
Acenaphthylene	ND	ug/kg	6.4	1	12/22/23 10:01	12/22/23 20:21	208-96-8	
Anthracene	ND	ug/kg	6.4	1	12/22/23 10:01	12/22/23 20:21	120-12-7	
Benzo(a)anthracene	ND	ug/kg	6.4	1	12/22/23 10:01	12/22/23 20:21	56-55-3	
Benzo(a)pyrene	ND	ug/kg	6.4	1	12/22/23 10:01	12/22/23 20:21	50-32-8	
Benzo(b)fluoranthene	**8.0**	ug/kg	6.4	1	12/22/23 10:01	12/22/23 20:21	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	6.4	1	12/22/23 10:01	12/22/23 20:21	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	6.4	1	12/22/23 10:01	12/22/23 20:21	207-08-9	
Chrysene	**6.6**	ug/kg	6.4	1	12/22/23 10:01	12/22/23 20:21	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	6.4	1	12/22/23 10:01	12/22/23 20:21	53-70-3	
Fluoranthene	**12.1**	ug/kg	6.4	1	12/22/23 10:01	12/22/23 20:21	206-44-0	
Fluorene	ND	ug/kg	6.4	1	12/22/23 10:01	12/22/23 20:21	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	6.4	1	12/22/23 10:01	12/22/23 20:21	193-39-5	
1-Methylnaphthalene	ND	ug/kg	6.4	1	12/22/23 10:01	12/22/23 20:21	90-12-0	
2-Methylnaphthalene	ND	ug/kg	6.4	1	12/22/23 10:01	12/22/23 20:21	91-57-6	
Naphthalene	ND	ug/kg	6.4	1	12/22/23 10:01	12/22/23 20:21	91-20-3	
Phenanthrene	**8.1**	ug/kg	6.4	1	12/22/23 10:01	12/22/23 20:21	85-01-8	
Pyrene	**14.4**	ug/kg	6.4	1	12/22/23 10:01	12/22/23 20:21	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	65	%.	23-115	1	12/22/23 10:01	12/22/23 20:21	321-60-8	
p-Terphenyl-d14 (S)	74	%.	19-136	1	12/22/23 10:01	12/22/23 20:21	1718-51-0	
8260 MSV 5035A VOA	Analytical Method: EPA 8260 Pace Analytical Services - Indianapolis							
Acetone	**136**	ug/kg	121	1		12/27/23 20:06	67-64-1	
Acrolein	ND	ug/kg	121	1		12/27/23 20:06	107-02-8	
Acrylonitrile	ND	ug/kg	121	1		12/27/23 20:06	107-13-1	
Benzene	ND	ug/kg	6.0	1		12/27/23 20:06	71-43-2	
Bromobenzene	ND	ug/kg	6.0	1		12/27/23 20:06	108-86-1	
Bromochloromethane	ND	ug/kg	6.0	1		12/27/23 20:06	74-97-5	
Bromodichloromethane	ND	ug/kg	6.0	1		12/27/23 20:06	75-27-4	
Bromoform	ND	ug/kg	6.0	1		12/27/23 20:06	75-25-2	
Bromomethane	ND	ug/kg	6.0	1		12/27/23 20:06	74-83-9	
2-Butanone (MEK)	ND	ug/kg	30.2	1		12/27/23 20:06	78-93-3	
n-Butylbenzene	**42.9**	ug/kg	6.0	1		12/27/23 20:06	104-51-8	
sec-Butylbenzene	**22.0**	ug/kg	6.0	1		12/27/23 20:06	135-98-8	
tert-Butylbenzene	ND	ug/kg	6.0	1		12/27/23 20:06	98-06-6	
Carbon disulfide	ND	ug/kg	12.1	1		12/27/23 20:06	75-15-0	
Carbon tetrachloride	ND	ug/kg	6.0	1		12/27/23 20:06	56-23-5	
Chlorobenzene	ND	ug/kg	6.0	1		12/27/23 20:06	108-90-7	
Chloroethane	ND	ug/kg	6.0	1		12/27/23 20:06	75-00-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50362129

Sample: DUP-SL-1 **Lab ID: 50362129003** Collected: 12/20/23 08:00 Received: 12/21/23 10:25 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 Pace Analytical Services - Indianapolis							
Chloroform	ND	ug/kg	6.0	1		12/27/23 20:06	67-66-3	
Chloromethane	ND	ug/kg	6.0	1		12/27/23 20:06	74-87-3	
2-Chlorotoluene	ND	ug/kg	6.0	1		12/27/23 20:06	95-49-8	
4-Chlorotoluene	ND	ug/kg	6.0	1		12/27/23 20:06	106-43-4	
Dibromochloromethane	ND	ug/kg	6.0	1		12/27/23 20:06	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	6.0	1		12/27/23 20:06	106-93-4	
Dibromomethane	ND	ug/kg	6.0	1		12/27/23 20:06	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	6.0	1		12/27/23 20:06	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	6.0	1		12/27/23 20:06	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	6.0	1		12/27/23 20:06	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	121	1		12/27/23 20:06	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	6.0	1		12/27/23 20:06	75-71-8	
1,1-Dichloroethane	ND	ug/kg	6.0	1		12/27/23 20:06	75-34-3	
1,2-Dichloroethane	ND	ug/kg	6.0	1		12/27/23 20:06	107-06-2	
1,1-Dichloroethene	ND	ug/kg	6.0	1		12/27/23 20:06	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	6.0	1		12/27/23 20:06	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	6.0	1		12/27/23 20:06	156-60-5	
1,2-Dichloropropane	ND	ug/kg	6.0	1		12/27/23 20:06	78-87-5	
1,3-Dichloropropane	ND	ug/kg	6.0	1		12/27/23 20:06	142-28-9	
2,2-Dichloropropane	ND	ug/kg	6.0	1		12/27/23 20:06	594-20-7	
1,1-Dichloropropene	ND	ug/kg	6.0	1		12/27/23 20:06	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	6.0	1		12/27/23 20:06	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	6.0	1		12/27/23 20:06	10061-02-6	
Ethylbenzene	**20.3**	ug/kg	6.0	1		12/27/23 20:06	100-41-4	
Ethyl methacrylate	ND	ug/kg	121	1		12/27/23 20:06	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	6.0	1		12/27/23 20:06	87-68-3	
n-Hexane	ND	ug/kg	6.0	1		12/27/23 20:06	110-54-3	
2-Hexanone	ND	ug/kg	121	1		12/27/23 20:06	591-78-6	
Iodomethane	ND	ug/kg	121	1		12/27/23 20:06	74-88-4	
Isopropylbenzene (Cumene)	**18.1**	ug/kg	6.0	1		12/27/23 20:06	98-82-8	
p-Isopropyltoluene	**23.1**	ug/kg	6.0	1		12/27/23 20:06	99-87-6	
Methylene Chloride	ND	ug/kg	24.2	1		12/27/23 20:06	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	30.2	1		12/27/23 20:06	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	6.0	1		12/27/23 20:06	1634-04-4	
n-Propylbenzene	**51.8**	ug/kg	6.0	1		12/27/23 20:06	103-65-1	
Styrene	ND	ug/kg	6.0	1		12/27/23 20:06	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.0	1		12/27/23 20:06	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.0	1		12/27/23 20:06	79-34-5	
Tetrachloroethene	ND	ug/kg	6.0	1		12/27/23 20:06	127-18-4	
Toluene	ND	ug/kg	6.0	1		12/27/23 20:06	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	6.0	1		12/27/23 20:06	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	6.0	1		12/27/23 20:06	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	6.0	1		12/27/23 20:06	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	6.0	1		12/27/23 20:06	79-00-5	
Trichloroethene	ND	ug/kg	6.0	1		12/27/23 20:06	79-01-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50362129

Sample: DUP-SL-1 **Lab ID: 50362129003** Collected: 12/20/23 08:00 Received: 12/21/23 10:25 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							
	Pace Analytical Services - Indianapolis							
Trichlorofluoromethane	ND	ug/kg	6.0	1		12/27/23 20:06	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	6.0	1		12/27/23 20:06	96-18-4	
1,2,4-Trimethylbenzene	**172**	ug/kg	6.0	1		12/27/23 20:06	95-63-6	
1,3,5-Trimethylbenzene	**71.9**	ug/kg	6.0	1		12/27/23 20:06	108-67-8	
Vinyl acetate	ND	ug/kg	121	1		12/27/23 20:06	108-05-4	
Vinyl chloride	ND	ug/kg	6.0	1		12/27/23 20:06	75-01-4	
Xylene (Total)	**104**	ug/kg	12.1	1		12/27/23 20:06	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	100	%.	75-135	1		12/27/23 20:06	1868-53-7	
Toluene-d8 (S)	105	%.	65-148	1		12/27/23 20:06	2037-26-5	
4-Bromofluorobenzene (S)	96	%.	63-132	1		12/27/23 20:06	460-00-4	
Percent Moisture	Analytical Method: SM 2540G							
	Pace Analytical Services - Indianapolis							
Percent Moisture	**21.3**	%	0.10	1		12/27/23 14:02		N2

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50362129

Sample: TB-1 **Lab ID: 50362129004** Collected: 12/20/23 15:00 Received: 12/21/23 10:25 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/kg	100	1		12/27/23 20:37	67-64-1	
Acrolein	ND	ug/kg	100	1		12/27/23 20:37	107-02-8	
Acrylonitrile	ND	ug/kg	100	1		12/27/23 20:37	107-13-1	
Benzene	ND	ug/kg	5.0	1		12/27/23 20:37	71-43-2	
Bromobenzene	ND	ug/kg	5.0	1		12/27/23 20:37	108-86-1	
Bromochloromethane	ND	ug/kg	5.0	1		12/27/23 20:37	74-97-5	
Bromodichloromethane	ND	ug/kg	5.0	1		12/27/23 20:37	75-27-4	
Bromoform	ND	ug/kg	5.0	1		12/27/23 20:37	75-25-2	
Bromomethane	ND	ug/kg	5.0	1		12/27/23 20:37	74-83-9	
2-Butanone (MEK)	ND	ug/kg	25.0	1		12/27/23 20:37	78-93-3	
n-Butylbenzene	ND	ug/kg	5.0	1		12/27/23 20:37	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.0	1		12/27/23 20:37	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.0	1		12/27/23 20:37	98-06-6	
Carbon disulfide	ND	ug/kg	10.0	1		12/27/23 20:37	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.0	1		12/27/23 20:37	56-23-5	
Chlorobenzene	ND	ug/kg	5.0	1		12/27/23 20:37	108-90-7	
Chloroethane	ND	ug/kg	5.0	1		12/27/23 20:37	75-00-3	
Chloroform	ND	ug/kg	5.0	1		12/27/23 20:37	67-66-3	
Chloromethane	ND	ug/kg	5.0	1		12/27/23 20:37	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.0	1		12/27/23 20:37	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.0	1		12/27/23 20:37	106-43-4	
Dibromochloromethane	ND	ug/kg	5.0	1		12/27/23 20:37	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.0	1		12/27/23 20:37	106-93-4	
Dibromomethane	ND	ug/kg	5.0	1		12/27/23 20:37	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.0	1		12/27/23 20:37	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.0	1		12/27/23 20:37	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.0	1		12/27/23 20:37	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	100	1		12/27/23 20:37	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	5.0	1		12/27/23 20:37	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.0	1		12/27/23 20:37	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.0	1		12/27/23 20:37	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.0	1		12/27/23 20:37	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.0	1		12/27/23 20:37	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.0	1		12/27/23 20:37	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.0	1		12/27/23 20:37	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.0	1		12/27/23 20:37	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.0	1		12/27/23 20:37	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.0	1		12/27/23 20:37	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.0	1		12/27/23 20:37	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.0	1		12/27/23 20:37	10061-02-6	
Ethylbenzene	ND	ug/kg	5.0	1		12/27/23 20:37	100-41-4	
Ethyl methacrylate	ND	ug/kg	100	1		12/27/23 20:37	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	5.0	1		12/27/23 20:37	87-68-3	
n-Hexane	ND	ug/kg	5.0	1		12/27/23 20:37	110-54-3	
2-Hexanone	ND	ug/kg	100	1		12/27/23 20:37	591-78-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50362129

Sample: TB-1 **Lab ID: 50362129004** Collected: 12/20/23 15:00 Received: 12/21/23 10:25 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260 Pace Analytical Services - Indianapolis							
Iodomethane	ND	ug/kg	100	1		12/27/23 20:37	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	5.0	1		12/27/23 20:37	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.0	1		12/27/23 20:37	99-87-6	
Methylene Chloride	ND	ug/kg	20.0	1		12/27/23 20:37	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	25.0	1		12/27/23 20:37	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.0	1		12/27/23 20:37	1634-04-4	
n-Propylbenzene	ND	ug/kg	5.0	1		12/27/23 20:37	103-65-1	
Styrene	ND	ug/kg	5.0	1		12/27/23 20:37	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.0	1		12/27/23 20:37	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.0	1		12/27/23 20:37	79-34-5	
Tetrachloroethene	ND	ug/kg	5.0	1		12/27/23 20:37	127-18-4	
Toluene	ND	ug/kg	5.0	1		12/27/23 20:37	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.0	1		12/27/23 20:37	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.0	1		12/27/23 20:37	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.0	1		12/27/23 20:37	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.0	1		12/27/23 20:37	79-00-5	
Trichloroethene	ND	ug/kg	5.0	1		12/27/23 20:37	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.0	1		12/27/23 20:37	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.0	1		12/27/23 20:37	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.0	1		12/27/23 20:37	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.0	1		12/27/23 20:37	108-67-8	
Vinyl acetate	ND	ug/kg	100	1		12/27/23 20:37	108-05-4	
Vinyl chloride	ND	ug/kg	5.0	1		12/27/23 20:37	75-01-4	
Xylene (Total)	ND	ug/kg	10.0	1		12/27/23 20:37	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101	%.	75-135	1		12/27/23 20:37	1868-53-7	
Toluene-d8 (S)	98	%.	65-148	1		12/27/23 20:37	2037-26-5	
4-Bromofluorobenzene (S)	101	%.	63-132	1		12/27/23 20:37	460-00-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50362129

Sample: Pile-1 **Lab ID: 50362129005** Collected: 12/21/23 09:20 Received: 12/21/23 10:25 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 Pace Analytical Services - Indianapolis							
Lead	**13.7**	mg/kg	1.1	1	01/02/24 15:59	01/04/24 12:38	7439-92-1	
8270 PAH Soil by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546 Pace Analytical Services - Indianapolis							
Acenaphthene	ND	ug/kg	5.9	1	12/22/23 10:01	12/22/23 20:35	83-32-9	
Acenaphthylene	ND	ug/kg	5.9	1	12/22/23 10:01	12/22/23 20:35	208-96-8	
Anthracene	**12.8**	ug/kg	5.9	1	12/22/23 10:01	12/22/23 20:35	120-12-7	
Benzo(a)anthracene	**7.1**	ug/kg	5.9	1	12/22/23 10:01	12/22/23 20:35	56-55-3	
Benzo(a)pyrene	**8.6**	ug/kg	5.9	1	12/22/23 10:01	12/22/23 20:35	50-32-8	
Benzo(b)fluoranthene	**12.4**	ug/kg	5.9	1	12/22/23 10:01	12/22/23 20:35	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	5.9	1	12/22/23 10:01	12/22/23 20:35	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	5.9	1	12/22/23 10:01	12/22/23 20:35	207-08-9	
Chrysene	**9.6**	ug/kg	5.9	1	12/22/23 10:01	12/22/23 20:35	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	5.9	1	12/22/23 10:01	12/22/23 20:35	53-70-3	
Fluoranthene	**18.6**	ug/kg	5.9	1	12/22/23 10:01	12/22/23 20:35	206-44-0	
Fluorene	ND	ug/kg	5.9	1	12/22/23 10:01	12/22/23 20:35	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	5.9	1	12/22/23 10:01	12/22/23 20:35	193-39-5	
1-Methylnaphthalene	**33.3**	ug/kg	5.9	1	12/22/23 10:01	12/22/23 20:35	90-12-0	
2-Methylnaphthalene	**50.3**	ug/kg	5.9	1	12/22/23 10:01	12/22/23 20:35	91-57-6	
Naphthalene	**14.4**	ug/kg	5.9	1	12/22/23 10:01	12/22/23 20:35	91-20-3	
Phenanthrene	**12.4**	ug/kg	5.9	1	12/22/23 10:01	12/22/23 20:35	85-01-8	
Pyrene	**18.3**	ug/kg	5.9	1	12/22/23 10:01	12/22/23 20:35	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	65	%.	23-115	1	12/22/23 10:01	12/22/23 20:35	321-60-8	
p-Terphenyl-d14 (S)	82	%.	19-136	1	12/22/23 10:01	12/22/23 20:35	1718-51-0	
8260 MSV 5035A VOA	Analytical Method: EPA 8260 Pace Analytical Services - Indianapolis							
Acetone	**228**	ug/kg	96.0	1		12/27/23 21:07	67-64-1	
Acrolein	ND	ug/kg	96.0	1		12/27/23 21:07	107-02-8	
Acrylonitrile	ND	ug/kg	96.0	1		12/27/23 21:07	107-13-1	
Benzene	ND	ug/kg	4.8	1		12/27/23 21:07	71-43-2	
Bromobenzene	ND	ug/kg	4.8	1		12/27/23 21:07	108-86-1	
Bromochloromethane	ND	ug/kg	4.8	1		12/27/23 21:07	74-97-5	
Bromodichloromethane	ND	ug/kg	4.8	1		12/27/23 21:07	75-27-4	
Bromoform	ND	ug/kg	4.8	1		12/27/23 21:07	75-25-2	
Bromomethane	ND	ug/kg	4.8	1		12/27/23 21:07	74-83-9	
2-Butanone (MEK)	**48.0**	ug/kg	24.0	1		12/27/23 21:07	78-93-3	
n-Butylbenzene	ND	ug/kg	4.8	1		12/27/23 21:07	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.8	1		12/27/23 21:07	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.8	1		12/27/23 21:07	98-06-6	
Carbon disulfide	ND	ug/kg	9.6	1		12/27/23 21:07	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.8	1		12/27/23 21:07	56-23-5	
Chlorobenzene	ND	ug/kg	4.8	1		12/27/23 21:07	108-90-7	
Chloroethane	ND	ug/kg	4.8	1		12/27/23 21:07	75-00-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50362129

Sample: Pile-1 **Lab ID: 50362129005** Collected: 12/21/23 09:20 Received: 12/21/23 10:25 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 Pace Analytical Services - Indianapolis							
Chloroform	ND	ug/kg	4.8	1		12/27/23 21:07	67-66-3	
Chloromethane	ND	ug/kg	4.8	1		12/27/23 21:07	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.8	1		12/27/23 21:07	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.8	1		12/27/23 21:07	106-43-4	
Dibromochloromethane	ND	ug/kg	4.8	1		12/27/23 21:07	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.8	1		12/27/23 21:07	106-93-4	
Dibromomethane	ND	ug/kg	4.8	1		12/27/23 21:07	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.8	1		12/27/23 21:07	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.8	1		12/27/23 21:07	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.8	1		12/27/23 21:07	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	96.0	1		12/27/23 21:07	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	4.8	1		12/27/23 21:07	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.8	1		12/27/23 21:07	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.8	1		12/27/23 21:07	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.8	1		12/27/23 21:07	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.8	1		12/27/23 21:07	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.8	1		12/27/23 21:07	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.8	1		12/27/23 21:07	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.8	1		12/27/23 21:07	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.8	1		12/27/23 21:07	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.8	1		12/27/23 21:07	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.8	1		12/27/23 21:07	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.8	1		12/27/23 21:07	10061-02-6	
Ethylbenzene	ND	ug/kg	4.8	1		12/27/23 21:07	100-41-4	
Ethyl methacrylate	ND	ug/kg	96.0	1		12/27/23 21:07	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	4.8	1		12/27/23 21:07	87-68-3	
n-Hexane	ND	ug/kg	4.8	1		12/27/23 21:07	110-54-3	
2-Hexanone	ND	ug/kg	96.0	1		12/27/23 21:07	591-78-6	
Iodomethane	ND	ug/kg	96.0	1		12/27/23 21:07	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	4.8	1		12/27/23 21:07	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.8	1		12/27/23 21:07	99-87-6	
Methylene Chloride	ND	ug/kg	19.2	1		12/27/23 21:07	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	24.0	1		12/27/23 21:07	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.8	1		12/27/23 21:07	1634-04-4	
n-Propylbenzene	ND	ug/kg	4.8	1		12/27/23 21:07	103-65-1	
Styrene	ND	ug/kg	4.8	1		12/27/23 21:07	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.8	1		12/27/23 21:07	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.8	1		12/27/23 21:07	79-34-5	
Tetrachloroethene	ND	ug/kg	4.8	1		12/27/23 21:07	127-18-4	
Toluene	ND	ug/kg	4.8	1		12/27/23 21:07	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.8	1		12/27/23 21:07	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.8	1		12/27/23 21:07	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.8	1		12/27/23 21:07	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.8	1		12/27/23 21:07	79-00-5	
Trichloroethene	ND	ug/kg	4.8	1		12/27/23 21:07	79-01-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50362129

Sample: Pile-1 **Lab ID: 50362129005** Collected: 12/21/23 09:20 Received: 12/21/23 10:25 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							
	Pace Analytical Services - Indianapolis							
Trichlorofluoromethane	ND	ug/kg	4.8	1		12/27/23 21:07	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.8	1		12/27/23 21:07	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.8	1		12/27/23 21:07	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.8	1		12/27/23 21:07	108-67-8	
Vinyl acetate	ND	ug/kg	96.0	1		12/27/23 21:07	108-05-4	
Vinyl chloride	ND	ug/kg	4.8	1		12/27/23 21:07	75-01-4	
Xylene (Total)	**12.7**	ug/kg	9.6	1		12/27/23 21:07	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	102	%.	75-135	1		12/27/23 21:07	1868-53-7	
Toluene-d8 (S)	104	%.	65-148	1		12/27/23 21:07	2037-26-5	
4-Bromofluorobenzene (S)	92	%.	63-132	1		12/27/23 21:07	460-00-4	
Percent Moisture	Analytical Method: SM 2540G							
	Pace Analytical Services - Indianapolis							
Percent Moisture	**17.5**	%	0.10	1		12/27/23 14:02		N2

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Road Ranger 226
Pace Project No.: 50362129

QC Batch: 769799
QC Batch Method: EPA 3050
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50362129001, 50362129002, 50362129003, 50362129005

METHOD BLANK: 3526731 Matrix: Solid
Associated Lab Samples: 50362129001, 50362129002, 50362129003, 50362129005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	mg/kg	ND	1.0	01/04/24 12:23	

LABORATORY CONTROL SAMPLE: 3526732

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/kg	50	52.2	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3526733 3526734

Parameter	Units	50362129001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	mg/kg	16.6	61.8	61.3	69.9	66.7	86	82	75-125	5	20	

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, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Road Ranger 226
Pace Project No.: 50362129

QC Batch: 769354
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV 5035A Volatile Organics
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50362129001, 50362129002, 50362129003, 50362129004, 50362129005

METHOD BLANK: 3525090 Matrix: Solid
Associated Lab Samples: 50362129001, 50362129002, 50362129003, 50362129004, 50362129005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	12/27/23 11:23	
1,1,1-Trichloroethane	ug/kg	ND	5.0	12/27/23 11:23	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	12/27/23 11:23	
1,1,2-Trichloroethane	ug/kg	ND	5.0	12/27/23 11:23	
1,1-Dichloroethane	ug/kg	ND	5.0	12/27/23 11:23	
1,1-Dichloroethene	ug/kg	ND	5.0	12/27/23 11:23	
1,1-Dichloropropene	ug/kg	ND	5.0	12/27/23 11:23	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	12/27/23 11:23	
1,2,3-Trichloropropane	ug/kg	ND	5.0	12/27/23 11:23	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	12/27/23 11:23	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	12/27/23 11:23	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	12/27/23 11:23	
1,2-Dichlorobenzene	ug/kg	ND	5.0	12/27/23 11:23	
1,2-Dichloroethane	ug/kg	ND	5.0	12/27/23 11:23	
1,2-Dichloropropane	ug/kg	ND	5.0	12/27/23 11:23	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	12/27/23 11:23	
1,3-Dichlorobenzene	ug/kg	ND	5.0	12/27/23 11:23	
1,3-Dichloropropane	ug/kg	ND	5.0	12/27/23 11:23	
1,4-Dichlorobenzene	ug/kg	ND	5.0	12/27/23 11:23	
2,2-Dichloropropane	ug/kg	ND	5.0	12/27/23 11:23	
2-Butanone (MEK)	ug/kg	ND	25.0	12/27/23 11:23	
2-Chlorotoluene	ug/kg	ND	5.0	12/27/23 11:23	
2-Hexanone	ug/kg	ND	100	12/27/23 11:23	
4-Chlorotoluene	ug/kg	ND	5.0	12/27/23 11:23	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	25.0	12/27/23 11:23	
Acetone	ug/kg	ND	100	12/27/23 11:23	
Acrolein	ug/kg	ND	100	12/27/23 11:23	
Acrylonitrile	ug/kg	ND	100	12/27/23 11:23	
Benzene	ug/kg	ND	5.0	12/27/23 11:23	
Bromobenzene	ug/kg	ND	5.0	12/27/23 11:23	
Bromochloromethane	ug/kg	ND	5.0	12/27/23 11:23	
Bromodichloromethane	ug/kg	ND	5.0	12/27/23 11:23	
Bromoform	ug/kg	ND	5.0	12/27/23 11:23	
Bromomethane	ug/kg	ND	5.0	12/27/23 11:23	
Carbon disulfide	ug/kg	ND	10.0	12/27/23 11:23	
Carbon tetrachloride	ug/kg	ND	5.0	12/27/23 11:23	
Chlorobenzene	ug/kg	ND	5.0	12/27/23 11:23	
Chloroethane	ug/kg	ND	5.0	12/27/23 11:23	
Chloroform	ug/kg	ND	5.0	12/27/23 11:23	
Chloromethane	ug/kg	ND	5.0	12/27/23 11:23	

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, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Road Ranger 226
Pace Project No.: 50362129

METHOD BLANK: 3525090 Matrix: Solid
Associated Lab Samples: 50362129001, 50362129002, 50362129003, 50362129004, 50362129005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/kg	ND	5.0	12/27/23 11:23	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	12/27/23 11:23	
Dibromochloromethane	ug/kg	ND	5.0	12/27/23 11:23	
Dibromomethane	ug/kg	ND	5.0	12/27/23 11:23	
Dichlorodifluoromethane	ug/kg	ND	5.0	12/27/23 11:23	
Ethyl methacrylate	ug/kg	ND	100	12/27/23 11:23	
Ethylbenzene	ug/kg	ND	5.0	12/27/23 11:23	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	12/27/23 11:23	
Iodomethane	ug/kg	ND	100	12/27/23 11:23	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	12/27/23 11:23	
Methyl-tert-butyl ether	ug/kg	ND	5.0	12/27/23 11:23	
Methylene Chloride	ug/kg	ND	20.0	12/27/23 11:23	
n-Butylbenzene	ug/kg	ND	5.0	12/27/23 11:23	
n-Hexane	ug/kg	ND	5.0	12/27/23 11:23	
n-Propylbenzene	ug/kg	ND	5.0	12/27/23 11:23	
p-Isopropyltoluene	ug/kg	ND	5.0	12/27/23 11:23	
sec-Butylbenzene	ug/kg	ND	5.0	12/27/23 11:23	
Styrene	ug/kg	ND	5.0	12/27/23 11:23	
tert-Butylbenzene	ug/kg	ND	5.0	12/27/23 11:23	
Tetrachloroethene	ug/kg	ND	5.0	12/27/23 11:23	
Toluene	ug/kg	ND	5.0	12/27/23 11:23	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	12/27/23 11:23	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	12/27/23 11:23	
trans-1,4-Dichloro-2-butene	ug/kg	ND	100	12/27/23 11:23	
Trichloroethene	ug/kg	ND	5.0	12/27/23 11:23	
Trichlorofluoromethane	ug/kg	ND	5.0	12/27/23 11:23	
Vinyl acetate	ug/kg	ND	100	12/27/23 11:23	
Vinyl chloride	ug/kg	ND	5.0	12/27/23 11:23	
Xylene (Total)	ug/kg	ND	10.0	12/27/23 11:23	
4-Bromofluorobenzene (S)	%.	101	63-132	12/27/23 11:23	
Dibromofluoromethane (S)	%.	102	75-135	12/27/23 11:23	
Toluene-d8 (S)	%.	100	65-148	12/27/23 11:23	

LABORATORY CONTROL SAMPLE: 3525091

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	50	54.3	109	66-133	
1,1,2,2-Tetrachloroethane	ug/kg	50	53.3	107	62-131	
1,1-Dichloroethene	ug/kg	50	54.3	109	65-138	
1,2,4-Trimethylbenzene	ug/kg	50	52.4	105	61-130	
1,2-Dibromoethane (EDB)	ug/kg	50	53.2	106	74-131	
1,2-Dichloroethane	ug/kg	50	52.5	105	62-129	
1,2-Dichloropropane	ug/kg	50	52.5	105	64-132	
Benzene	ug/kg	50	51.2	102	65-128	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Road Ranger 226
Pace Project No.: 50362129

LABORATORY CONTROL SAMPLE: 3525091

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chlorobenzene	ug/kg	50	52.1	104	69-124	
Chloroform	ug/kg	50	53.1	106	67-122	
cis-1,2-Dichloroethene	ug/kg	50	52.9	106	64-131	
Ethylbenzene	ug/kg	50	51.5	103	67-127	
Isopropylbenzene (Cumene)	ug/kg	50	52.9	106	67-128	
Methyl-tert-butyl ether	ug/kg	50	55.3	111	66-135	
n-Hexane	ug/kg	50	43.7	87	54-129	
Tetrachloroethene	ug/kg	50	51.5	103	62-135	
Toluene	ug/kg	50	50.2	100	65-123	
trans-1,2-Dichloroethene	ug/kg	50	53.1	106	63-131	
Trichloroethene	ug/kg	50	53.4	107	64-135	
Vinyl chloride	ug/kg	50	48.8	98	54-134	
Xylene (Total)	ug/kg	150	153	102	65-124	
4-Bromofluorobenzene (S)	%.			101	63-132	
Dibromofluoromethane (S)	%.			101	75-135	
Toluene-d8 (S)	%.			98	65-148	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3525237 3525238

Parameter	Units	50362129001 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	ug/kg	ND	56.2	57.2	68.6	66.4	122	116	61-143	3	20	
1,1,2,2-Tetrachloroethane	ug/kg	ND	56.2	57.2	58.0	62.4	103	109	30-172	7	20	
1,1-Dichloroethene	ug/kg	ND	56.2	57.2	72.5	69.0	129	121	58-154	5	20	
1,2,4-Trimethylbenzene	ug/kg	ND	56.2	57.2	57.2	61.6	102	108	11-175	7	20	
1,2-Dibromoethane (EDB)	ug/kg	ND	56.2	57.2	56.4	59.5	100	104	42-153	5	20	
1,2-Dichloroethane	ug/kg	ND	56.2	57.2	56.2	58.3	100	102	58-135	4	20	
1,2-Dichloropropane	ug/kg	ND	56.2	57.2	58.3	58.6	104	103	48-150	1	20	
Benzene	ug/kg	ND	56.2	57.2	58.8	59.2	105	104	42-152	1	20	
Chlorobenzene	ug/kg	ND	56.2	57.2	56.5	60.7	101	106	27-149	7	20	
Chloroform	ug/kg	ND	56.2	57.2	61.8	61.5	110	108	54-143	1	20	
cis-1,2-Dichloroethene	ug/kg	ND	56.2	57.2	61.2	61.0	109	107	56-140	0	20	
Ethylbenzene	ug/kg	ND	56.2	57.2	60.4	61.2	107	107	27-150	1	20	
Isopropylbenzene (Cumene)	ug/kg	ND	56.2	57.2	56.9	62.4	101	109	26-159	9	20	
Methyl-tert-butyl ether	ug/kg	ND	56.2	57.2	58.8	60.5	105	106	68-143	3	20	
n-Hexane	ug/kg	ND	56.2	57.2	56.7	63.0	101	110	14-161	10	20	
Tetrachloroethene	ug/kg	ND	56.2	57.2	61.2	64.1	109	112	40-157	5	20	
Toluene	ug/kg	ND	56.2	57.2	59.9	61.7	106	108	32-149	3	20	
trans-1,2-Dichloroethene	ug/kg	ND	56.2	57.2	64.1	61.3	114	107	51-146	4	20	
Trichloroethene	ug/kg	ND	56.2	57.2	62.2	61.8	111	108	34-168	1	20	
Vinyl chloride	ug/kg	ND	56.2	57.2	63.1	58.9	112	103	49-148	7	20	
Xylene (Total)	ug/kg	ND	168	172	171	180	101	105	23-151	5	20	
4-Bromofluorobenzene (S)	%.						95	94	63-132			
Dibromofluoromethane (S)	%.						99	99	75-135			

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Road Ranger 226
Pace Project No.: 50362129

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3525237 3525238

Parameter	Units	50362129001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Toluene-d8 (S)	%.						102	102	65-148			

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Road Ranger 226
Pace Project No.: 50362129

QC Batch: 768988
QC Batch Method: EPA 3546
Analysis Method: EPA 8270 by SIM
Analysis Description: 8270 Soil PAH by SIM
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50362129001, 50362129002, 50362129003, 50362129005

METHOD BLANK: 3523577 Matrix: Solid
Associated Lab Samples: 50362129001, 50362129002, 50362129003, 50362129005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	ND	5.0	12/22/23 16:19	
2-Methylnaphthalene	ug/kg	ND	5.0	12/22/23 16:19	
Acenaphthene	ug/kg	ND	5.0	12/22/23 16:19	
Acenaphthylene	ug/kg	ND	5.0	12/22/23 16:19	
Anthracene	ug/kg	ND	5.0	12/22/23 16:19	
Benzo(a)anthracene	ug/kg	ND	5.0	12/22/23 16:19	
Benzo(a)pyrene	ug/kg	ND	5.0	12/22/23 16:19	
Benzo(b)fluoranthene	ug/kg	ND	5.0	12/22/23 16:19	
Benzo(g,h,i)perylene	ug/kg	ND	5.0	12/22/23 16:19	
Benzo(k)fluoranthene	ug/kg	ND	5.0	12/22/23 16:19	
Chrysene	ug/kg	ND	5.0	12/22/23 16:19	
Dibenz(a,h)anthracene	ug/kg	ND	5.0	12/22/23 16:19	
Fluoranthene	ug/kg	ND	5.0	12/22/23 16:19	
Fluorene	ug/kg	ND	5.0	12/22/23 16:19	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	5.0	12/22/23 16:19	
Naphthalene	ug/kg	ND	5.0	12/22/23 16:19	
Phenanthrene	ug/kg	ND	5.0	12/22/23 16:19	
Pyrene	ug/kg	ND	5.0	12/22/23 16:19	
2-Fluorobiphenyl (S)	%.	70	23-115	12/22/23 16:19	
p-Terphenyl-d14 (S)	%.	90	19-136	12/22/23 16:19	

LABORATORY CONTROL SAMPLE: 3523578

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	667	495	74	52-125	
2-Methylnaphthalene	ug/kg	667	488	73	52-123	
Acenaphthene	ug/kg	667	477	72	54-119	
Acenaphthylene	ug/kg	667	525	79	55-130	
Anthracene	ug/kg	667	495	74	58-120	
Benzo(a)anthracene	ug/kg	667	536	80	59-126	
Benzo(a)pyrene	ug/kg	667	591	89	58-133	
Benzo(b)fluoranthene	ug/kg	667	543	81	54-137	
Benzo(g,h,i)perylene	ug/kg	667	490	73	53-127	
Benzo(k)fluoranthene	ug/kg	667	612	92	54-126	
Chrysene	ug/kg	667	516	77	59-129	
Dibenz(a,h)anthracene	ug/kg	667	520	78	54-128	
Fluoranthene	ug/kg	667	533	80	58-137	
Fluorene	ug/kg	667	503	75	57-129	
Indeno(1,2,3-cd)pyrene	ug/kg	667	518	78	56-129	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Road Ranger 226
Pace Project No.: 50362129

LABORATORY CONTROL SAMPLE: 3523578

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Naphthalene	ug/kg	667	468	70	48-112	
Phenanthrene	ug/kg	667	503	75	57-125	
Pyrene	ug/kg	667	563	84	55-133	
2-Fluorobiphenyl (S)	%.			73	23-115	
p-Terphenyl-d14 (S)	%.			89	19-136	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3523579 3523580

Parameter	Units	50362129001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1-Methylnaphthalene	ug/kg	27.0	822	832	499	544	57	62	17-141	9	20	
2-Methylnaphthalene	ug/kg	82.4	822	832	479	527	48	53	16-139	9	20	
Acenaphthene	ug/kg	39.6	822	832	458	508	51	56	26-123	10	20	
Acenaphthylene	ug/kg	ND	822	832	503	553	61	66	16-125	10	20	
Anthracene	ug/kg	55.0	822	832	435	508	46	54	13-133	16	20	
Benzo(a)anthracene	ug/kg	11.5	822	832	410	512	48	60	10-148	22	20	R1
Benzo(a)pyrene	ug/kg	ND	822	832	430	553	52	66	10-133	25	20	R1
Benzo(b)fluoranthene	ug/kg	7.5	822	832	382	495	46	59	10-155	26	20	R1
Benzo(g,h,i)perylene	ug/kg	ND	822	832	348	466	42	56	10-129	29	20	R1
Benzo(k)fluoranthene	ug/kg	ND	822	832	454	577	55	69	12-142	24	20	R1
Chrysene	ug/kg	11.1	822	832	422	504	50	59	14-148	18	20	
Dibenz(a,h)anthracene	ug/kg	ND	822	832	392	507	48	61	10-131	26	20	R1
Fluoranthene	ug/kg	70.3	822	832	438	531	45	55	10-154	19	20	
Fluorene	ug/kg	157	822	832	476	537	39	46	26-134	12	20	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	822	832	370	493	45	59	10-136	28	20	R1
Naphthalene	ug/kg	310	822	832	465	504	19	23	20-119	8	20	M1
Phenanthrene	ug/kg	186	822	832	453	524	33	41	12-150	15	20	
Pyrene	ug/kg	51.7	822	832	465	554	50	60	17-152	18	20	
2-Fluorobiphenyl (S)	%.						56	62	23-115			
p-Terphenyl-d14 (S)	%.						57	67	19-136			

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Road Ranger 226
Pace Project No.: 50362129

QC Batch: 769367
QC Batch Method: SM 2540G
Analysis Method: SM 2540G
Analysis Description: Dry Weight/Percent Moisture
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50362129001, 50362129002, 50362129003, 50362129005

SAMPLE DUPLICATE: 3525127

Parameter	Units	50362129001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	22.0	22.6	3	10	N2

SAMPLE DUPLICATE: 3525128

Parameter	Units	50362169002 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	15.5	16.6	7	10	N2

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REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: Road Ranger 226
Pace Project No.: 50362129

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.

TNTC - Too Numerous To Count

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 - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

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.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
N2	The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.
R1	RPD value was outside control limits.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Road Ranger 226
Pace Project No.: 50362129

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50362129001	**Line -1**	EPA 3050	769799	EPA 6010	770153
50362129002	**Line -2**	EPA 3050	769799	EPA 6010	770153
50362129003	**DUP-SL-1**	EPA 3050	769799	EPA 6010	770153
50362129005	**Pile-1**	EPA 3050	769799	EPA 6010	770153
50362129001	**Line -1**	EPA 3546	768988	EPA 8270 by SIM	769198
50362129002	**Line -2**	EPA 3546	768988	EPA 8270 by SIM	769198
50362129003	**DUP-SL-1**	EPA 3546	768988	EPA 8270 by SIM	769198
50362129005	**Pile-1**	EPA 3546	768988	EPA 8270 by SIM	769198
50362129001	**Line -1**	EPA 8260	769354		
50362129002	**Line -2**	EPA 8260	769354		
50362129003	**DUP-SL-1**	EPA 8260	769354		
50362129004	**TB-1**	EPA 8260	769354		
50362129005	**Pile-1**	EPA 8260	769354		
50362129001	**Line -1**	SM 2540G	769367		
50362129002	**Line -2**	SM 2540G	769367		
50362129003	**DUP-SL-1**	SM 2540G	769367		
50362129005	**Pile-1**	SM 2540G	769367		

Pace

CHAIN-OF-CUSTODY / Analytical Request

WO# : 50362129

50362129

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields mus

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at https://info.pa

Section A	Section B	Section C
Required Client Information:	**Required Project Information:**	**Invoice Information:**
Company: Atlas Indianapolis	Report To: Phil Schlak	Attention:
Address: 7988 Centerpoint Drive	Copy To:	Company Name:
Suite 100, Indianapolis, IN 46256		Address:
Email: phil.schlak@atcgs.com	Purchase Order #:	Pace Quote:
Phone: 317-579-4033 Fax:	Project Name: Road Ranger 226	Pace Project Manager: will.statz@pacelabs.com,
Requested Due Date: STD	Project #:	Pace Profile #: 3374/6

Regulatory Agency
State / Location
IN

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	VOC by 8260	PAH by 8270	Lead by 6010	Residual Chlorine (Y/N)	
1	Line-1	SL	G			12/20	1505		15	X						X	X		X	X	X		001
2	Line-2					12/20	1540		5	X						X	X						002
3	~~Line-3~~																						
4	DUP-SL-1					12/20	—		5	X						X	X			↓	↓		003
5	TB-1	W	↓			12/20	1500		3							X	X		↓				004
6	Pile-1	SL	G			12/21	920		5	X						X	X		X	X	X		005
7																							
8																							
9																							
10																							
11																							
12																							

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
VOC 8260 - Terracore has a 48 Hour SH time	Katie VanHoy / Atlas ~~FE~~ TW 12/21	12/21/23	1025	TW FedEx / PACE	12/21/23	1025	2.2	Y	N	Y
MS/MSD collected with Line-1 sample, No Line-3 Sample										

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	Katie Van Hoy		TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
SIGNATURE of SAMPLER: Katie Van Hoy	DATE Signed: 12/20/23					

Pace

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: TW 12/21/23 1100

1. **Courier:** ☐ FED EX ☐ UPS ☑ CLIENT ☐ PACE ☐ NOW/JETT ☐ OTHER _____

2. **Custody Seal on Cooler/Box Present:** ☐ Yes ☑ No

(If yes)Seals Intact: ☐ Yes ☐ No **(leave blank if no seals were present)**

3. **Thermometer:** 1 2 3 4 5 6 7 8 A B C D E F G H

4. **Cooler Temperature(s):** 2.2/2.2 | | | |

(Initial/Corrected) RECORD TEMPS OF ALL COOLERS RECEIVED (use Comments below to add more)

5. **Packing Material:** ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other _____

6. **Ice Type:** ☑ Wet ☐ Blue ☐ None

7. **If temp. is over 6°C or under 0°C, was the PM notified?:** ☐ Yes ☐ No

Cooler temp should be above freezing to 6°C

All discrepancies will be written out in the comments section below.

	Yes	No		Yes	No	N/A
USDA Regulated Soils? (HI, ID, NY, WA, OR,CA, NM, TX, OK, AR, LA, TN, AL, MS, NC, SC, GA, FL, or Puerto Rico)		✓	All containers needing acid/base preservation have been pH CHECKED?: **Exceptions: VOA, coliform, LLHg, O&G, RAD CHEM, and any container with a septum cap or preserved with HCl.** **Circle: HNO3 (<2) H2SO4 (<2) NaOH (>10) NaOH/ZnAc (>9)** Any non-conformance to pH recommendations will be noted on the container count form			✓
Short Hold Time Analysis (48 hours or less)? Analysis: TC						
Time 5035A TC placed in Freezer or Short Holds To Lab	Time: 1100		Residual Chlorine Check (SVOC 625 Pest/PCB 608)	Present	Absent	✓ N/A
Rush TAT Requested (4 days or less):		✓	Residual Chlorine Check (Total/Amenable/Free Cyanide)			✓
Custody Signatures Present?	✓		Headspace Wisconsin Sulfide?			✓
Containers Intact?:	✓		Headspace in VOA Vials (>6mm): See Containter Count form for details	Present	Absent	No VOA Vials Sent ✓
Sample Label (IDs/Dates/Times) Match COC?: Except TCs, which only require sample ID	✓		Trip Blank Present?		✓	
Extra labels on Terracore Vials? (soils only)			Trip Blank Custody Seals?:			✓

COMMENTS:

COC PAGE 1 of 1

Sample Container Count

** Place a RED dot on containers that are out of conformance **

								AMBER GLASS							PLASTIC									OTHER					Nitric	Sulfuric	Sodium Hydroxide	Sodium Hydroxide/ ZnAc
			MeOH (only) / SBS / DI																										Red	Yellow	Green	Black
COC Line Item	WGFU	WGKU BG1U	R	DG9H VG9H	VOA VIAL HS >6mm	VG9U DG9U	VG9T	AG0U	AG1H	AG1U	AG3U	AG3S	AG3SF	AG3B	BP1U	BP1N	BP2U	BP3U	BP3N	BP3F	BP3S	BP3B	BP3Z	CG3H	CG3F	Syringe Kit		Matrix	HNO3 <2	H2SO4 <2	NaOH >10	NaOH/Zn Ac >9
1	3		12																									SL				
2	1		4																													
3			X																									X				
4	1		4																													
5			3																													
6	1		4																													
7																																
8																																
9																																
10																																
11																																
12																																

Container Codes

Glass

Code	Description	Code	Description
DG9H	40mL HCl amber voa vial	BG1T	glass
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass
DG9S	40mL H2SO4 amber vial	CG3U	250mL Unpres Clear Glass
DG9T	40mL Na Thio amber vial	AG0U	100mL unpres amber glass
DG9U	40mL unpreserved amber vial	AG1H	1L HCl amber glass
VG9H	40mL HCl clear vial	AG1S	1L H2SO4 amber glass
VG9T	40mL Na Thio. clear vial	AG1T	1L Na Thiosulfate amber glass
VG9U	40mL unpreserved clear vial	AG1U	1liter unpres amber glass
I	40mL w/hexane wipe vial	AG2N	500mL HNO3 amber glass
WGKU	8oz unpreserved clear jar	AG2S	500mL H2SO4 amber glass
WGFU	4oz clear soil jar	AG2U	500mL unpres amber glass
JGFU	4oz unpreserved amber wide	AG3S	250mL H2SO4 amber glass
CG3H	250mL clear glass HCl	AG3SF	250mL H2SO4 amb glass -field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3U	250mL unpres amber glass
BG1H	1L HCl clear glass	AG3B	250mL NaOH amber glass
BG1S	1L H2SO4 clear glass		

Plastic

Code	Description	Code	Description
BP1B	1L NaOH plastic	BP4U	125mL unpreserved plastic
BP1N	1L HNO3 plastic	BP4N	125mL HNO3 plastic
BP1S	1L H2SO4 plastic	BP4S	125mL H2SO4 plastic
BP1U	1L unpreserved plastic		
BP1Z	1L NaOH, Zn, Ac		
BP2N	500mL HNO3 plastic		
BP2C	500mL NaOH plastic		
BP2S	500mL H2SO4 plastic		
BP2U	500mL unpreserved plastic		
BP2Z	500mL NaOH, Zn Ac		
BP3B	250mL NaOH plastic		
BP3N	250mL HNO3 plastic		
BP3F	250mL HNO3 plastic-field filtered		
BP3U	250mL unpreserved plastic		
BP3S	250mL H2SO4 plastic		
BP3Z	250mL NaOH, ZnAc plastic		
BP3R	250mL Unpres. FF SO4/OH buffer		

Miscellaneous

Code	Description
Syringe Kit	LL Cr+6 sampling kit
ZPLC	Ziploc Bag
R	Terracore Kit
SP5T	120mL Coliform Sodium Thiosulfate
GN	General Container
U	Summa Can (air sample)
WT	Water
SL	Solid
OL:	Oil
NAL	Non-aqueous liquid
WP	Wipe

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

March 14, 2024

Mr. Phil Schlak
ATC Associates, Inc.
7988 Centerpoint Drive
Suite 100
Indianapolis, IN 46256

RE: Project: Road Ranger 226
Pace Project No.: 50366942

Dear Mr. Schlak:

Enclosed are the analytical results for sample(s) received by the laboratory on February 28, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Indianapolis

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

Sincerely,

Will Statz
will.statz@pacelabs.com
(317)228-3105
Project Manager

Enclosures

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

CERTIFICATIONS

Project: Road Ranger 226
Pace Project No.: 50366942

Pace Analytical Services Indianapolis

7726 Moller Road, Indianapolis, IN 46268
Illinois Accreditation #: 200074
Indiana Drinking Water Laboratory #: C-49-06
Kansas/TNI Certification #: E-10177
Kentucky UST Agency Interest #: 80226
Kentucky WW Laboratory ID #: 98019
Michigan Drinking Water Laboratory #9050
Ohio VAP Certified Laboratory #: CL0065
Oklahoma Laboratory #: 9204
Texas Certification #: T104704355
Washington Dept of Ecology #: C1081
Wisconsin Laboratory #: 999788130
USDA Foreign Soil Permit #: 525-23-13-23119
USDA Compliance Agreement #: IN-SL-22-001

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: Road Ranger 226
Pace Project No.: 50366942

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50366942001	**B-10 (10-12)**	Solid	02/27/24 11:10	02/28/24 14:30
50366942002	**B-10 (14-16)**	Solid	02/27/24 11:15	02/28/24 14:30
50366942003	**B-11 (10-12)**	Solid	02/27/24 12:05	02/28/24 14:30
50366942004	**B-11 (14-16)**	Solid	02/27/24 12:10	02/28/24 14:30
50366942005	**B-11 (18-20)**	Solid	02/27/24 12:15	02/28/24 14:30
50366942006	**B-12 (6-8)**	Solid	02/27/24 13:20	02/28/24 14:30
50366942007	**B-12 (10-12)**	Solid	02/27/24 13:25	02/28/24 14:30
50366942008	**B-12 (14-16)**	Solid	02/27/24 13:30	02/28/24 14:30
50366942009	**B-13 (2-4)**	Solid	02/27/24 14:25	02/28/24 14:30
50366942010	**B-13 (8-10)**	Solid	02/27/24 14:30	02/28/24 14:30
50366942011	**B-13 (14-16)**	Solid	02/27/24 14:35	02/28/24 14:30
50366942012	**B-14 (2-4)**	Solid	02/27/24 15:25	02/28/24 14:30
50366942013	**B-14 (8-10)**	Solid	02/27/24 15:30	02/28/24 14:30
50366942014	**B-14 (14-16)**	Solid	02/27/24 15:35	02/28/24 14:30
50366942015	**B-15 (12-14)**	Solid	02/27/24 16:35	02/28/24 14:30
50366942016	**B-15 (14-16)**	Solid	02/27/24 16:40	02/28/24 14:30
50366942017	**B-15 (18-20)**	Solid	02/27/24 16:45	02/28/24 14:30
50366942018	**DUP-SL**	Solid	02/27/24 08:00	02/28/24 14:30
50366942019	**TB-SL**	Solid	02/27/24 09:15	02/28/24 14:30

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: Road Ranger 226
Pace Project No.: 50366942

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50366942001	**B-10 (10-12)**	EPA 6010	JPK	1	PASI-I
		EPA 8270 by SIM	JCM	20	PASI-I
		EPA 8260	TMW	72	PASI-I
		SM 2540G	QAK	1	PASI-I
50366942002	**B-10 (14-16)**	EPA 6010	JPK	1	PASI-I
		EPA 8270 by SIM	JCM	20	PASI-I
		EPA 8260	TMW	72	PASI-I
		SM 2540G	QAK	1	PASI-I
50366942003	**B-11 (10-12)**	EPA 6010	JPK	1	PASI-I
		EPA 8270 by SIM	JCM	20	PASI-I
		EPA 8260	TMW	72	PASI-I
		SM 2540G	QAK	1	PASI-I
50366942004	**B-11 (14-16)**	EPA 6010	JPK	1	PASI-I
		EPA 8270 by SIM	JCM	20	PASI-I
		EPA 8260	TMW	72	PASI-I
		SM 2540G	QAK	1	PASI-I
50366942005	**B-11 (18-20)**	EPA 6010	JPK	1	PASI-I
		EPA 8270 by SIM	JCM	20	PASI-I
		EPA 8260	TMW	72	PASI-I
		SM 2540G	BEP	1	PASI-I
50366942006	**B-12 (6-8)**	EPA 6010	JPK	1	PASI-I
		EPA 8270 by SIM	JCM	20	PASI-I
		EPA 8260	TMW	72	PASI-I
		SM 2540G	BEP	1	PASI-I
50366942007	**B-12 (10-12)**	EPA 6010	JPK	1	PASI-I
		EPA 8270 by SIM	JCM	20	PASI-I
		EPA 8260	TMW	72	PASI-I
		SM 2540G	BEP	1	PASI-I
50366942008	**B-12 (14-16)**	EPA 6010	JPK	1	PASI-I
		EPA 8270 by SIM	JCM	20	PASI-I
		EPA 8260	TMW	72	PASI-I
		SM 2540G	BEP	1	PASI-I
50366942009	**B-13 (2-4)**	EPA 6010	JPK	1	PASI-I
		EPA 8270 by SIM	JCM	20	PASI-I
		EPA 8260	TMW	72	PASI-I
		SM 2540G	BEP	1	PASI-I
50366942010	**B-13 (8-10)**	EPA 6010	JPK	1	PASI-I

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

SAMPLE ANALYTE COUNT

Project: Road Ranger 226
Pace Project No.: 50366942

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8270 by SIM	JCM	20	PASI-I
		EPA 8260	TMW	72	PASI-I
		SM 2540G	BEP	1	PASI-I
50366942011	**B-13 (14-16)**	EPA 6010	JPK	1	PASI-I
		EPA 8270 by SIM	JCM	20	PASI-I
		EPA 8260	TMW	72	PASI-I
		SM 2540G	BEP	1	PASI-I
50366942012	**B-14 (2-4)**	EPA 6010	JPK	1	PASI-I
		EPA 8270 by SIM	JCM	20	PASI-I
		EPA 8260	TMW	72	PASI-I
		SM 2540G	BEP	1	PASI-I
50366942013	**B-14 (8-10)**	EPA 6010	JPK	1	PASI-I
		EPA 8270 by SIM	JCM	20	PASI-I
		EPA 8260	TMW	72	PASI-I
		SM 2540G	BEP	1	PASI-I
50366942014	**B-14 (14-16)**	EPA 6010	JPK	1	PASI-I
		EPA 8270 by SIM	JCM	20	PASI-I
		EPA 8260	TMW	72	PASI-I
		SM 2540G	BEP	1	PASI-I
50366942015	**B-15 (12-14)**	EPA 6010	JPK	1	PASI-I
		EPA 8270 by SIM	JCM	20	PASI-I
		EPA 8260	TMW	72	PASI-I
		SM 2540G	BEP	1	PASI-I
50366942016	**B-15 (14-16)**	EPA 6010	JPK	1	PASI-I
		EPA 8270 by SIM	JCM	20	PASI-I
		EPA 8260	TMW	72	PASI-I
		SM 2540G	BEP	1	PASI-I
50366942017	**B-15 (18-20)**	EPA 6010	JPK	1	PASI-I
		EPA 8270 by SIM	JCM	20	PASI-I
		EPA 8260	TMW	72	PASI-I
		SM 2540G	BEP	1	PASI-I
50366942018	**DUP-SL**	EPA 6010	JPK	1	PASI-I
		EPA 8270 by SIM	JCM	20	PASI-I
		EPA 8260	TMW	72	PASI-I
		SM 2540G	BEP	1	PASI-I
50366942019	**TB-SL**	EPA 8260	TMW	72	PASI-I

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: Road Ranger 226
Pace Project No.: 50366942

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory

PASI-I = Pace Analytical Services - Indianapolis

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

SUMMARY OF DETECTION

Project: Road Ranger 226
Pace Project No.: 50366942

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50366942001	**B-10 (10-12)**					
EPA 6010	Lead	3.5	mg/kg	1.0	03/12/24 00:29	
EPA 8270 by SIM	Fluoranthene	6.5	ug/kg	5.5	03/12/24 19:54	
EPA 8270 by SIM	Fluorene	6.4	ug/kg	5.5	03/12/24 19:54	
EPA 8270 by SIM	1-Methylnaphthalene	22.5	ug/kg	5.5	03/12/24 19:54	
EPA 8270 by SIM	2-Methylnaphthalene	17.5	ug/kg	5.5	03/12/24 19:54	
EPA 8270 by SIM	Naphthalene	8.7	ug/kg	5.5	03/12/24 19:54	
EPA 8270 by SIM	Phenanthrene	7.7	ug/kg	5.5	03/12/24 19:54	
EPA 8270 by SIM	Pyrene	27.0	ug/kg	5.5	03/12/24 19:54	
EPA 8260	sec-Butylbenzene	4.8	ug/kg	4.0	03/04/24 20:15	
EPA 8260	p-Isopropyltoluene	6.2	ug/kg	4.0	03/04/24 20:15	
EPA 8260	1,2,4-Trimethylbenzene	31.7	ug/kg	4.0	03/04/24 20:15	
EPA 8260	1,3,5-Trimethylbenzene	11.2	ug/kg	4.0	03/04/24 20:15	
SM 2540G	Percent Moisture	12.2	%	0.10	03/08/24 15:47	N2
50366942002	**B-10 (14-16)**					
EPA 6010	Lead	2.8	mg/kg	1.0	03/12/24 00:31	
SM 2540G	Percent Moisture	9.8	%	0.10	03/08/24 15:47	N2
50366942003	**B-11 (10-12)**					
EPA 6010	Lead	3.4	mg/kg	1.0	03/12/24 00:32	
SM 2540G	Percent Moisture	9.4	%	0.10	03/08/24 15:47	N2
50366942004	**B-11 (14-16)**					
EPA 6010	Lead	2.9	mg/kg	1.0	03/12/24 00:34	
EPA 8260	1,2,4-Trimethylbenzene	5.7	ug/kg	4.3	03/05/24 09:56	
EPA 8260	1,3,5-Trimethylbenzene	6.4	ug/kg	4.3	03/05/24 09:56	
SM 2540G	Percent Moisture	9.3	%	0.10	03/08/24 15:47	N2
50366942005	**B-11 (18-20)**					
EPA 6010	Lead	3.7	mg/kg	1.0	03/12/24 00:35	
SM 2540G	Percent Moisture	13.4	%	0.10	03/11/24 13:58	N2
50366942006	**B-12 (6-8)**					
EPA 6010	Lead	8.6	mg/kg	1.1	03/12/24 00:37	
EPA 8270 by SIM	Fluoranthene	6.6	ug/kg	6.0	03/12/24 21:01	
EPA 8270 by SIM	Pyrene	37.5	ug/kg	6.0	03/12/24 21:01	
EPA 8260	sec-Butylbenzene	9.4	ug/kg	4.4	03/05/24 13:42	
EPA 8260	p-Isopropyltoluene	14.4	ug/kg	4.4	03/05/24 13:42	
EPA 8260	1,2,4-Trimethylbenzene	46.2	ug/kg	4.4	03/05/24 13:42	
EPA 8260	1,3,5-Trimethylbenzene	43.3	ug/kg	4.4	03/05/24 13:42	
SM 2540G	Percent Moisture	18.8	%	0.10	03/11/24 13:58	N2
50366942007	**B-12 (10-12)**					
EPA 6010	Lead	2.7	mg/kg	1.0	03/12/24 00:38	
EPA 8270 by SIM	Pyrene	5.5	ug/kg	5.4	03/12/24 21:14	
SM 2540G	Percent Moisture	10	%	0.10	03/11/24 13:58	N2
50366942008	**B-12 (14-16)**					
EPA 6010	Lead	4.0	mg/kg	1.1	03/12/24 00:49	
SM 2540G	Percent Moisture	11.8	%	0.10	03/11/24 13:58	N2

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: Road Ranger 226
Pace Project No.: 50366942

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50366942009	**B-13 (2-4)**					
EPA 6010	Lead	16.2	mg/kg	1.1	03/12/24 00:50	
SM 2540G	Percent Moisture	14.9	%	0.10	03/11/24 13:59	N2
50366942010	**B-13 (8-10)**					
EPA 6010	Lead	7.7	mg/kg	1.1	03/12/24 00:52	
SM 2540G	Percent Moisture	20.5	%	0.10	03/11/24 13:59	N2
50366942011	**B-13 (14-16)**					
EPA 6010	Lead	2.6	mg/kg	1.0	03/12/24 00:53	
SM 2540G	Percent Moisture	13.5	%	0.10	03/11/24 13:59	N2
50366942012	**B-14 (2-4)**					
EPA 6010	Lead	8.7	mg/kg	1.1	03/12/24 01:05	
SM 2540G	Percent Moisture	12.7	%	0.10	03/11/24 13:59	N2
50366942013	**B-14 (8-10)**					
EPA 6010	Lead	7.2	mg/kg	1.2	03/12/24 00:55	
SM 2540G	Percent Moisture	20.2	%	0.10	03/11/24 13:59	N2
50366942014	**B-14 (14-16)**					
EPA 6010	Lead	4.5	mg/kg	1.0	03/12/24 01:06	
SM 2540G	Percent Moisture	9.4	%	0.10	03/11/24 13:59	N2
50366942015	**B-15 (12-14)**					
EPA 6010	Lead	4.3	mg/kg	1.0	03/12/24 01:08	
SM 2540G	Percent Moisture	14.0	%	0.10	03/11/24 13:59	N2
50366942016	**B-15 (14-16)**					
EPA 6010	Lead	5.0	mg/kg	1.0	03/12/24 01:09	
SM 2540G	Percent Moisture	9.6	%	0.10	03/11/24 14:00	N2
50366942017	**B-15 (18-20)**					
EPA 6010	Lead	2.3	mg/kg	1.1	03/12/24 01:11	
SM 2540G	Percent Moisture	11.8	%	0.10	03/11/24 14:00	N2
50366942018	**DUP-SL**					
EPA 6010	Lead	16.0	mg/kg	1.2	03/12/24 01:12	
SM 2540G	Percent Moisture	19.7	%	0.10	03/11/24 14:00	N2

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50366942

Sample: B-10 (10-12) **Lab ID: 50366942001** Collected: 02/27/24 11:10 Received: 02/28/24 14:30 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 Pace Analytical Services - Indianapolis							
Lead	**3.5**	mg/kg	1.0	1	03/10/24 23:20	03/12/24 00:29	7439-92-1	
8270 PAH Soil by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546 Pace Analytical Services - Indianapolis							
Acenaphthene	ND	ug/kg	5.5	1	03/11/24 23:58	03/12/24 19:54	83-32-9	
Acenaphthylene	ND	ug/kg	5.5	1	03/11/24 23:58	03/12/24 19:54	208-96-8	
Anthracene	ND	ug/kg	5.5	1	03/11/24 23:58	03/12/24 19:54	120-12-7	
Benzo(a)anthracene	ND	ug/kg	5.5	1	03/11/24 23:58	03/12/24 19:54	56-55-3	
Benzo(a)pyrene	ND	ug/kg	5.5	1	03/11/24 23:58	03/12/24 19:54	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	5.5	1	03/11/24 23:58	03/12/24 19:54	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	5.5	1	03/11/24 23:58	03/12/24 19:54	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	5.5	1	03/11/24 23:58	03/12/24 19:54	207-08-9	
Chrysene	ND	ug/kg	5.5	1	03/11/24 23:58	03/12/24 19:54	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	5.5	1	03/11/24 23:58	03/12/24 19:54	53-70-3	
Fluoranthene	**6.5**	ug/kg	5.5	1	03/11/24 23:58	03/12/24 19:54	206-44-0	
Fluorene	**6.4**	ug/kg	5.5	1	03/11/24 23:58	03/12/24 19:54	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	5.5	1	03/11/24 23:58	03/12/24 19:54	193-39-5	
1-Methylnaphthalene	**22.5**	ug/kg	5.5	1	03/11/24 23:58	03/12/24 19:54	90-12-0	
2-Methylnaphthalene	**17.5**	ug/kg	5.5	1	03/11/24 23:58	03/12/24 19:54	91-57-6	
Naphthalene	**8.7**	ug/kg	5.5	1	03/11/24 23:58	03/12/24 19:54	91-20-3	
Phenanthrene	**7.7**	ug/kg	5.5	1	03/11/24 23:58	03/12/24 19:54	85-01-8	
Pyrene	**27.0**	ug/kg	5.5	1	03/11/24 23:58	03/12/24 19:54	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	51	%.	23-115	1	03/11/24 23:58	03/12/24 19:54	321-60-8	
p-Terphenyl-d14 (S)	57	%.	19-136	1	03/11/24 23:58	03/12/24 19:54	1718-51-0	
8260 MSV 5035A VOA	Analytical Method: EPA 8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/kg	80.7	1		03/04/24 20:15	67-64-1	
Acrolein	ND	ug/kg	80.7	1		03/04/24 20:15	107-02-8	
Acrylonitrile	ND	ug/kg	80.7	1		03/04/24 20:15	107-13-1	
Benzene	ND	ug/kg	4.0	1		03/04/24 20:15	71-43-2	
Bromobenzene	ND	ug/kg	4.0	1		03/04/24 20:15	108-86-1	
Bromochloromethane	ND	ug/kg	4.0	1		03/04/24 20:15	74-97-5	
Bromodichloromethane	ND	ug/kg	4.0	1		03/04/24 20:15	75-27-4	
Bromoform	ND	ug/kg	4.0	1		03/04/24 20:15	75-25-2	
Bromomethane	ND	ug/kg	4.0	1		03/04/24 20:15	74-83-9	
2-Butanone (MEK)	ND	ug/kg	20.2	1		03/04/24 20:15	78-93-3	
n-Butylbenzene	ND	ug/kg	4.0	1		03/04/24 20:15	104-51-8	
sec-Butylbenzene	**4.8**	ug/kg	4.0	1		03/04/24 20:15	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.0	1		03/04/24 20:15	98-06-6	
Carbon disulfide	ND	ug/kg	8.1	1		03/04/24 20:15	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.0	1		03/04/24 20:15	56-23-5	
Chlorobenzene	ND	ug/kg	4.0	1		03/04/24 20:15	108-90-7	
Chloroethane	ND	ug/kg	4.0	1		03/04/24 20:15	75-00-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50366942

Sample: B-10 (10-12) **Lab ID: 50366942001** Collected: 02/27/24 11:10 Received: 02/28/24 14:30 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 Pace Analytical Services - Indianapolis							
Chloroform	ND	ug/kg	4.0	1		03/04/24 20:15	67-66-3	
Chloromethane	ND	ug/kg	4.0	1		03/04/24 20:15	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.0	1		03/04/24 20:15	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.0	1		03/04/24 20:15	106-43-4	
Dibromochloromethane	ND	ug/kg	4.0	1		03/04/24 20:15	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.0	1		03/04/24 20:15	106-93-4	
Dibromomethane	ND	ug/kg	4.0	1		03/04/24 20:15	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.0	1		03/04/24 20:15	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.0	1		03/04/24 20:15	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.0	1		03/04/24 20:15	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	80.7	1		03/04/24 20:15	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	4.0	1		03/04/24 20:15	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.0	1		03/04/24 20:15	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.0	1		03/04/24 20:15	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.0	1		03/04/24 20:15	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.0	1		03/04/24 20:15	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.0	1		03/04/24 20:15	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.0	1		03/04/24 20:15	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.0	1		03/04/24 20:15	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.0	1		03/04/24 20:15	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.0	1		03/04/24 20:15	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.0	1		03/04/24 20:15	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.0	1		03/04/24 20:15	10061-02-6	
Ethylbenzene	ND	ug/kg	4.0	1		03/04/24 20:15	100-41-4	
Ethyl methacrylate	ND	ug/kg	80.7	1		03/04/24 20:15	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	4.0	1		03/04/24 20:15	87-68-3	
n-Hexane	ND	ug/kg	4.0	1		03/04/24 20:15	110-54-3	
2-Hexanone	ND	ug/kg	80.7	1		03/04/24 20:15	591-78-6	
Iodomethane	ND	ug/kg	80.7	1		03/04/24 20:15	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	4.0	1		03/04/24 20:15	98-82-8	
p-Isopropyltoluene	**6.2**	ug/kg	4.0	1		03/04/24 20:15	99-87-6	
Methylene Chloride	ND	ug/kg	16.1	1		03/04/24 20:15	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	20.2	1		03/04/24 20:15	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.0	1		03/04/24 20:15	1634-04-4	
n-Propylbenzene	ND	ug/kg	4.0	1		03/04/24 20:15	103-65-1	
Styrene	ND	ug/kg	4.0	1		03/04/24 20:15	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.0	1		03/04/24 20:15	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.0	1		03/04/24 20:15	79-34-5	
Tetrachloroethene	ND	ug/kg	4.0	1		03/04/24 20:15	127-18-4	
Toluene	ND	ug/kg	4.0	1		03/04/24 20:15	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.0	1		03/04/24 20:15	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.0	1		03/04/24 20:15	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.0	1		03/04/24 20:15	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.0	1		03/04/24 20:15	79-00-5	
Trichloroethene	ND	ug/kg	4.0	1		03/04/24 20:15	79-01-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50366942

Sample: B-10 (10-12) **Lab ID: 50366942001** Collected: 02/27/24 11:10 Received: 02/28/24 14:30 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							
	Pace Analytical Services - Indianapolis							
Trichlorofluoromethane	ND	ug/kg	4.0	1		03/04/24 20:15	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.0	1		03/04/24 20:15	96-18-4	
1,2,4-Trimethylbenzene	**31.7**	ug/kg	4.0	1		03/04/24 20:15	95-63-6	
1,3,5-Trimethylbenzene	**11.2**	ug/kg	4.0	1		03/04/24 20:15	108-67-8	
Vinyl acetate	ND	ug/kg	80.7	1		03/04/24 20:15	108-05-4	
Vinyl chloride	ND	ug/kg	4.0	1		03/04/24 20:15	75-01-4	
Xylene (Total)	ND	ug/kg	8.1	1		03/04/24 20:15	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	98	%.	75-135	1		03/04/24 20:15	1868-53-7	
Toluene-d8 (S)	108	%.	65-148	1		03/04/24 20:15	2037-26-5	
4-Bromofluorobenzene (S)	96	%.	63-132	1		03/04/24 20:15	460-00-4	
Percent Moisture	Analytical Method: SM 2540G							
	Pace Analytical Services - Indianapolis							
Percent Moisture	**12.2**	%	0.10	1		03/08/24 15:47		N2

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50366942

Sample: B-10 (14-16) **Lab ID: 50366942002** Collected: 02/27/24 11:15 Received: 02/28/24 14:30 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 Pace Analytical Services - Indianapolis							
Lead	**2.8**	mg/kg	1.0	1	03/10/24 23:20	03/12/24 00:31	7439-92-1	
8270 PAH Soil by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546 Pace Analytical Services - Indianapolis							
Acenaphthene	ND	ug/kg	5.3	1	03/11/24 23:58	03/12/24 20:07	83-32-9	
Acenaphthylene	ND	ug/kg	5.3	1	03/11/24 23:58	03/12/24 20:07	208-96-8	
Anthracene	ND	ug/kg	5.3	1	03/11/24 23:58	03/12/24 20:07	120-12-7	
Benzo(a)anthracene	ND	ug/kg	5.3	1	03/11/24 23:58	03/12/24 20:07	56-55-3	
Benzo(a)pyrene	ND	ug/kg	5.3	1	03/11/24 23:58	03/12/24 20:07	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	5.3	1	03/11/24 23:58	03/12/24 20:07	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	5.3	1	03/11/24 23:58	03/12/24 20:07	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	5.3	1	03/11/24 23:58	03/12/24 20:07	207-08-9	
Chrysene	ND	ug/kg	5.3	1	03/11/24 23:58	03/12/24 20:07	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	5.3	1	03/11/24 23:58	03/12/24 20:07	53-70-3	
Fluoranthene	ND	ug/kg	5.3	1	03/11/24 23:58	03/12/24 20:07	206-44-0	
Fluorene	ND	ug/kg	5.3	1	03/11/24 23:58	03/12/24 20:07	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	5.3	1	03/11/24 23:58	03/12/24 20:07	193-39-5	
1-Methylnaphthalene	ND	ug/kg	5.3	1	03/11/24 23:58	03/12/24 20:07	90-12-0	
2-Methylnaphthalene	ND	ug/kg	5.3	1	03/11/24 23:58	03/12/24 20:07	91-57-6	
Naphthalene	ND	ug/kg	5.3	1	03/11/24 23:58	03/12/24 20:07	91-20-3	
Phenanthrene	ND	ug/kg	5.3	1	03/11/24 23:58	03/12/24 20:07	85-01-8	
Pyrene	ND	ug/kg	5.3	1	03/11/24 23:58	03/12/24 20:07	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	60	%.	23-115	1	03/11/24 23:58	03/12/24 20:07	321-60-8	
p-Terphenyl-d14 (S)	76	%.	19-136	1	03/11/24 23:58	03/12/24 20:07	1718-51-0	
8260 MSV 5035A VOA	Analytical Method: EPA 8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/kg	84.3	1		03/05/24 08:55	67-64-1	
Acrolein	ND	ug/kg	84.3	1		03/05/24 08:55	107-02-8	
Acrylonitrile	ND	ug/kg	84.3	1		03/05/24 08:55	107-13-1	
Benzene	ND	ug/kg	4.2	1		03/05/24 08:55	71-43-2	
Bromobenzene	ND	ug/kg	4.2	1		03/05/24 08:55	108-86-1	
Bromochloromethane	ND	ug/kg	4.2	1		03/05/24 08:55	74-97-5	
Bromodichloromethane	ND	ug/kg	4.2	1		03/05/24 08:55	75-27-4	
Bromoform	ND	ug/kg	4.2	1		03/05/24 08:55	75-25-2	
Bromomethane	ND	ug/kg	4.2	1		03/05/24 08:55	74-83-9	
2-Butanone (MEK)	ND	ug/kg	21.1	1		03/05/24 08:55	78-93-3	
n-Butylbenzene	ND	ug/kg	4.2	1		03/05/24 08:55	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.2	1		03/05/24 08:55	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.2	1		03/05/24 08:55	98-06-6	
Carbon disulfide	ND	ug/kg	8.4	1		03/05/24 08:55	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.2	1		03/05/24 08:55	56-23-5	
Chlorobenzene	ND	ug/kg	4.2	1		03/05/24 08:55	108-90-7	
Chloroethane	ND	ug/kg	4.2	1		03/05/24 08:55	75-00-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50366942

Sample: B-10 (14-16) **Lab ID: 50366942002** Collected: 02/27/24 11:15 Received: 02/28/24 14:30 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 Pace Analytical Services - Indianapolis							
Chloroform	ND	ug/kg	4.2	1		03/05/24 08:55	67-66-3	
Chloromethane	ND	ug/kg	4.2	1		03/05/24 08:55	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.2	1		03/05/24 08:55	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.2	1		03/05/24 08:55	106-43-4	
Dibromochloromethane	ND	ug/kg	4.2	1		03/05/24 08:55	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.2	1		03/05/24 08:55	106-93-4	
Dibromomethane	ND	ug/kg	4.2	1		03/05/24 08:55	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.2	1		03/05/24 08:55	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.2	1		03/05/24 08:55	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.2	1		03/05/24 08:55	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	84.3	1		03/05/24 08:55	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	4.2	1		03/05/24 08:55	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.2	1		03/05/24 08:55	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.2	1		03/05/24 08:55	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.2	1		03/05/24 08:55	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.2	1		03/05/24 08:55	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.2	1		03/05/24 08:55	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.2	1		03/05/24 08:55	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.2	1		03/05/24 08:55	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.2	1		03/05/24 08:55	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.2	1		03/05/24 08:55	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.2	1		03/05/24 08:55	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.2	1		03/05/24 08:55	10061-02-6	
Ethylbenzene	ND	ug/kg	4.2	1		03/05/24 08:55	100-41-4	
Ethyl methacrylate	ND	ug/kg	84.3	1		03/05/24 08:55	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	4.2	1		03/05/24 08:55	87-68-3	
n-Hexane	ND	ug/kg	4.2	1		03/05/24 08:55	110-54-3	
2-Hexanone	ND	ug/kg	84.3	1		03/05/24 08:55	591-78-6	
Iodomethane	ND	ug/kg	84.3	1		03/05/24 08:55	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	4.2	1		03/05/24 08:55	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.2	1		03/05/24 08:55	99-87-6	
Methylene Chloride	ND	ug/kg	16.9	1		03/05/24 08:55	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	21.1	1		03/05/24 08:55	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.2	1		03/05/24 08:55	1634-04-4	
n-Propylbenzene	ND	ug/kg	4.2	1		03/05/24 08:55	103-65-1	
Styrene	ND	ug/kg	4.2	1		03/05/24 08:55	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.2	1		03/05/24 08:55	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.2	1		03/05/24 08:55	79-34-5	
Tetrachloroethene	ND	ug/kg	4.2	1		03/05/24 08:55	127-18-4	
Toluene	ND	ug/kg	4.2	1		03/05/24 08:55	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.2	1		03/05/24 08:55	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.2	1		03/05/24 08:55	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.2	1		03/05/24 08:55	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.2	1		03/05/24 08:55	79-00-5	
Trichloroethene	ND	ug/kg	4.2	1		03/05/24 08:55	79-01-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50366942

Sample: B-10 (14-16) **Lab ID: 50366942002** Collected: 02/27/24 11:15 Received: 02/28/24 14:30 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							
	Pace Analytical Services - Indianapolis							
Trichlorofluoromethane	ND	ug/kg	4.2	1		03/05/24 08:55	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.2	1		03/05/24 08:55	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.2	1		03/05/24 08:55	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.2	1		03/05/24 08:55	108-67-8	
Vinyl acetate	ND	ug/kg	84.3	1		03/05/24 08:55	108-05-4	
Vinyl chloride	ND	ug/kg	4.2	1		03/05/24 08:55	75-01-4	
Xylene (Total)	ND	ug/kg	8.4	1		03/05/24 08:55	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	100	%.	75-135	1		03/05/24 08:55	1868-53-7	
Toluene-d8 (S)	106	%.	65-148	1		03/05/24 08:55	2037-26-5	
4-Bromofluorobenzene (S)	96	%.	63-132	1		03/05/24 08:55	460-00-4	
Percent Moisture	Analytical Method: SM 2540G							
	Pace Analytical Services - Indianapolis							
Percent Moisture	**9.8**	%	0.10	1		03/08/24 15:47		N2

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50366942

Sample: B-11 (10-12) **Lab ID: 50366942003** Collected: 02/27/24 12:05 Received: 02/28/24 14:30 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 Pace Analytical Services - Indianapolis							
Lead	**3.4**	mg/kg	1.0	1	03/10/24 23:20	03/12/24 00:32	7439-92-1	
8270 PAH Soil by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546 Pace Analytical Services - Indianapolis							
Acenaphthene	ND	ug/kg	5.4	1	03/11/24 23:58	03/12/24 20:21	83-32-9	
Acenaphthylene	ND	ug/kg	5.4	1	03/11/24 23:58	03/12/24 20:21	208-96-8	
Anthracene	ND	ug/kg	5.4	1	03/11/24 23:58	03/12/24 20:21	120-12-7	
Benzo(a)anthracene	ND	ug/kg	5.4	1	03/11/24 23:58	03/12/24 20:21	56-55-3	
Benzo(a)pyrene	ND	ug/kg	5.4	1	03/11/24 23:58	03/12/24 20:21	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	5.4	1	03/11/24 23:58	03/12/24 20:21	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	5.4	1	03/11/24 23:58	03/12/24 20:21	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	5.4	1	03/11/24 23:58	03/12/24 20:21	207-08-9	
Chrysene	ND	ug/kg	5.4	1	03/11/24 23:58	03/12/24 20:21	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	5.4	1	03/11/24 23:58	03/12/24 20:21	53-70-3	
Fluoranthene	ND	ug/kg	5.4	1	03/11/24 23:58	03/12/24 20:21	206-44-0	
Fluorene	ND	ug/kg	5.4	1	03/11/24 23:58	03/12/24 20:21	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	5.4	1	03/11/24 23:58	03/12/24 20:21	193-39-5	
1-Methylnaphthalene	ND	ug/kg	5.4	1	03/11/24 23:58	03/12/24 20:21	90-12-0	
2-Methylnaphthalene	ND	ug/kg	5.4	1	03/11/24 23:58	03/12/24 20:21	91-57-6	
Naphthalene	ND	ug/kg	5.4	1	03/11/24 23:58	03/12/24 20:21	91-20-3	
Phenanthrene	ND	ug/kg	5.4	1	03/11/24 23:58	03/12/24 20:21	85-01-8	
Pyrene	ND	ug/kg	5.4	1	03/11/24 23:58	03/12/24 20:21	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	61	%.	23-115	1	03/11/24 23:58	03/12/24 20:21	321-60-8	
p-Terphenyl-d14 (S)	76	%.	19-136	1	03/11/24 23:58	03/12/24 20:21	1718-51-0	
8260 MSV 5035A VOA	Analytical Method: EPA 8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/kg	78.3	1		03/05/24 09:25	67-64-1	
Acrolein	ND	ug/kg	78.3	1		03/05/24 09:25	107-02-8	
Acrylonitrile	ND	ug/kg	78.3	1		03/05/24 09:25	107-13-1	
Benzene	ND	ug/kg	3.9	1		03/05/24 09:25	71-43-2	
Bromobenzene	ND	ug/kg	3.9	1		03/05/24 09:25	108-86-1	
Bromochloromethane	ND	ug/kg	3.9	1		03/05/24 09:25	74-97-5	
Bromodichloromethane	ND	ug/kg	3.9	1		03/05/24 09:25	75-27-4	
Bromoform	ND	ug/kg	3.9	1		03/05/24 09:25	75-25-2	
Bromomethane	ND	ug/kg	3.9	1		03/05/24 09:25	74-83-9	
2-Butanone (MEK)	ND	ug/kg	19.6	1		03/05/24 09:25	78-93-3	
n-Butylbenzene	ND	ug/kg	3.9	1		03/05/24 09:25	104-51-8	
sec-Butylbenzene	ND	ug/kg	3.9	1		03/05/24 09:25	135-98-8	
tert-Butylbenzene	ND	ug/kg	3.9	1		03/05/24 09:25	98-06-6	
Carbon disulfide	ND	ug/kg	7.8	1		03/05/24 09:25	75-15-0	
Carbon tetrachloride	ND	ug/kg	3.9	1		03/05/24 09:25	56-23-5	
Chlorobenzene	ND	ug/kg	3.9	1		03/05/24 09:25	108-90-7	
Chloroethane	ND	ug/kg	3.9	1		03/05/24 09:25	75-00-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50366942

Sample: B-11 (10-12) **Lab ID: 50366942003** Collected: 02/27/24 12:05 Received: 02/28/24 14:30 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 Pace Analytical Services - Indianapolis							
Chloroform	ND	ug/kg	3.9	1		03/05/24 09:25	67-66-3	
Chloromethane	ND	ug/kg	3.9	1		03/05/24 09:25	74-87-3	
2-Chlorotoluene	ND	ug/kg	3.9	1		03/05/24 09:25	95-49-8	
4-Chlorotoluene	ND	ug/kg	3.9	1		03/05/24 09:25	106-43-4	
Dibromochloromethane	ND	ug/kg	3.9	1		03/05/24 09:25	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	3.9	1		03/05/24 09:25	106-93-4	
Dibromomethane	ND	ug/kg	3.9	1		03/05/24 09:25	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	3.9	1		03/05/24 09:25	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	3.9	1		03/05/24 09:25	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	3.9	1		03/05/24 09:25	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	78.3	1		03/05/24 09:25	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	3.9	1		03/05/24 09:25	75-71-8	
1,1-Dichloroethane	ND	ug/kg	3.9	1		03/05/24 09:25	75-34-3	
1,2-Dichloroethane	ND	ug/kg	3.9	1		03/05/24 09:25	107-06-2	
1,1-Dichloroethene	ND	ug/kg	3.9	1		03/05/24 09:25	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	3.9	1		03/05/24 09:25	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	3.9	1		03/05/24 09:25	156-60-5	
1,2-Dichloropropane	ND	ug/kg	3.9	1		03/05/24 09:25	78-87-5	
1,3-Dichloropropane	ND	ug/kg	3.9	1		03/05/24 09:25	142-28-9	
2,2-Dichloropropane	ND	ug/kg	3.9	1		03/05/24 09:25	594-20-7	
1,1-Dichloropropene	ND	ug/kg	3.9	1		03/05/24 09:25	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	3.9	1		03/05/24 09:25	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	3.9	1		03/05/24 09:25	10061-02-6	
Ethylbenzene	ND	ug/kg	3.9	1		03/05/24 09:25	100-41-4	
Ethyl methacrylate	ND	ug/kg	78.3	1		03/05/24 09:25	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	3.9	1		03/05/24 09:25	87-68-3	
n-Hexane	ND	ug/kg	3.9	1		03/05/24 09:25	110-54-3	
2-Hexanone	ND	ug/kg	78.3	1		03/05/24 09:25	591-78-6	
Iodomethane	ND	ug/kg	78.3	1		03/05/24 09:25	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	3.9	1		03/05/24 09:25	98-82-8	
p-Isopropyltoluene	ND	ug/kg	3.9	1		03/05/24 09:25	99-87-6	
Methylene Chloride	ND	ug/kg	15.7	1		03/05/24 09:25	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	19.6	1		03/05/24 09:25	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	3.9	1		03/05/24 09:25	1634-04-4	
n-Propylbenzene	ND	ug/kg	3.9	1		03/05/24 09:25	103-65-1	
Styrene	ND	ug/kg	3.9	1		03/05/24 09:25	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	3.9	1		03/05/24 09:25	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	3.9	1		03/05/24 09:25	79-34-5	
Tetrachloroethene	ND	ug/kg	3.9	1		03/05/24 09:25	127-18-4	
Toluene	ND	ug/kg	3.9	1		03/05/24 09:25	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	3.9	1		03/05/24 09:25	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	3.9	1		03/05/24 09:25	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	3.9	1		03/05/24 09:25	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	3.9	1		03/05/24 09:25	79-00-5	
Trichloroethene	ND	ug/kg	3.9	1		03/05/24 09:25	79-01-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50366942

Sample: B-11 (10-12) **Lab ID: 50366942003** Collected: 02/27/24 12:05 Received: 02/28/24 14:30 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							
	Pace Analytical Services - Indianapolis							
Trichlorofluoromethane	ND	ug/kg	3.9	1		03/05/24 09:25	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	3.9	1		03/05/24 09:25	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	3.9	1		03/05/24 09:25	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	3.9	1		03/05/24 09:25	108-67-8	
Vinyl acetate	ND	ug/kg	78.3	1		03/05/24 09:25	108-05-4	
Vinyl chloride	ND	ug/kg	3.9	1		03/05/24 09:25	75-01-4	
Xylene (Total)	ND	ug/kg	7.8	1		03/05/24 09:25	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	100	%.	75-135	1		03/05/24 09:25	1868-53-7	
Toluene-d8 (S)	103	%.	65-148	1		03/05/24 09:25	2037-26-5	
4-Bromofluorobenzene (S)	97	%.	63-132	1		03/05/24 09:25	460-00-4	
Percent Moisture	Analytical Method: SM 2540G							
	Pace Analytical Services - Indianapolis							
Percent Moisture	**9.4**	%	0.10	1		03/08/24 15:47		N2

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50366942

Sample: B-11 (14-16) **Lab ID: 50366942004** Collected: 02/27/24 12:10 Received: 02/28/24 14:30 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 Pace Analytical Services - Indianapolis							
Lead	**2.9**	mg/kg	1.0	1	03/10/24 23:20	03/12/24 00:34	7439-92-1	
8270 PAH Soil by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546 Pace Analytical Services - Indianapolis							
Acenaphthene	ND	ug/kg	5.3	1	03/11/24 23:58	03/12/24 20:34	83-32-9	
Acenaphthylene	ND	ug/kg	5.3	1	03/11/24 23:58	03/12/24 20:34	208-96-8	
Anthracene	ND	ug/kg	5.3	1	03/11/24 23:58	03/12/24 20:34	120-12-7	
Benzo(a)anthracene	ND	ug/kg	5.3	1	03/11/24 23:58	03/12/24 20:34	56-55-3	
Benzo(a)pyrene	ND	ug/kg	5.3	1	03/11/24 23:58	03/12/24 20:34	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	5.3	1	03/11/24 23:58	03/12/24 20:34	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	5.3	1	03/11/24 23:58	03/12/24 20:34	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	5.3	1	03/11/24 23:58	03/12/24 20:34	207-08-9	
Chrysene	ND	ug/kg	5.3	1	03/11/24 23:58	03/12/24 20:34	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	5.3	1	03/11/24 23:58	03/12/24 20:34	53-70-3	
Fluoranthene	ND	ug/kg	5.3	1	03/11/24 23:58	03/12/24 20:34	206-44-0	
Fluorene	ND	ug/kg	5.3	1	03/11/24 23:58	03/12/24 20:34	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	5.3	1	03/11/24 23:58	03/12/24 20:34	193-39-5	
1-Methylnaphthalene	ND	ug/kg	5.3	1	03/11/24 23:58	03/12/24 20:34	90-12-0	
2-Methylnaphthalene	ND	ug/kg	5.3	1	03/11/24 23:58	03/12/24 20:34	91-57-6	
Naphthalene	ND	ug/kg	5.3	1	03/11/24 23:58	03/12/24 20:34	91-20-3	
Phenanthrene	ND	ug/kg	5.3	1	03/11/24 23:58	03/12/24 20:34	85-01-8	
Pyrene	ND	ug/kg	5.3	1	03/11/24 23:58	03/12/24 20:34	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	56	%.	23-115	1	03/11/24 23:58	03/12/24 20:34	321-60-8	
p-Terphenyl-d14 (S)	67	%.	19-136	1	03/11/24 23:58	03/12/24 20:34	1718-51-0	
8260 MSV 5035A VOA	Analytical Method: EPA 8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/kg	85.1	1		03/05/24 09:56	67-64-1	
Acrolein	ND	ug/kg	85.1	1		03/05/24 09:56	107-02-8	
Acrylonitrile	ND	ug/kg	85.1	1		03/05/24 09:56	107-13-1	
Benzene	ND	ug/kg	4.3	1		03/05/24 09:56	71-43-2	
Bromobenzene	ND	ug/kg	4.3	1		03/05/24 09:56	108-86-1	
Bromochloromethane	ND	ug/kg	4.3	1		03/05/24 09:56	74-97-5	
Bromodichloromethane	ND	ug/kg	4.3	1		03/05/24 09:56	75-27-4	
Bromoform	ND	ug/kg	4.3	1		03/05/24 09:56	75-25-2	
Bromomethane	ND	ug/kg	4.3	1		03/05/24 09:56	74-83-9	
2-Butanone (MEK)	ND	ug/kg	21.3	1		03/05/24 09:56	78-93-3	
n-Butylbenzene	ND	ug/kg	4.3	1		03/05/24 09:56	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.3	1		03/05/24 09:56	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.3	1		03/05/24 09:56	98-06-6	
Carbon disulfide	ND	ug/kg	8.5	1		03/05/24 09:56	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.3	1		03/05/24 09:56	56-23-5	
Chlorobenzene	ND	ug/kg	4.3	1		03/05/24 09:56	108-90-7	
Chloroethane	ND	ug/kg	4.3	1		03/05/24 09:56	75-00-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50366942

Sample: B-11 (14-16) **Lab ID: 50366942004** Collected: 02/27/24 12:10 Received: 02/28/24 14:30 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 Pace Analytical Services - Indianapolis							
Chloroform	ND	ug/kg	4.3	1		03/05/24 09:56	67-66-3	
Chloromethane	ND	ug/kg	4.3	1		03/05/24 09:56	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.3	1		03/05/24 09:56	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.3	1		03/05/24 09:56	106-43-4	
Dibromochloromethane	ND	ug/kg	4.3	1		03/05/24 09:56	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.3	1		03/05/24 09:56	106-93-4	
Dibromomethane	ND	ug/kg	4.3	1		03/05/24 09:56	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.3	1		03/05/24 09:56	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.3	1		03/05/24 09:56	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.3	1		03/05/24 09:56	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	85.1	1		03/05/24 09:56	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	4.3	1		03/05/24 09:56	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.3	1		03/05/24 09:56	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.3	1		03/05/24 09:56	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.3	1		03/05/24 09:56	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.3	1		03/05/24 09:56	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.3	1		03/05/24 09:56	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.3	1		03/05/24 09:56	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.3	1		03/05/24 09:56	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.3	1		03/05/24 09:56	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.3	1		03/05/24 09:56	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.3	1		03/05/24 09:56	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.3	1		03/05/24 09:56	10061-02-6	
Ethylbenzene	ND	ug/kg	4.3	1		03/05/24 09:56	100-41-4	
Ethyl methacrylate	ND	ug/kg	85.1	1		03/05/24 09:56	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	4.3	1		03/05/24 09:56	87-68-3	
n-Hexane	ND	ug/kg	4.3	1		03/05/24 09:56	110-54-3	
2-Hexanone	ND	ug/kg	85.1	1		03/05/24 09:56	591-78-6	
Iodomethane	ND	ug/kg	85.1	1		03/05/24 09:56	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	4.3	1		03/05/24 09:56	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.3	1		03/05/24 09:56	99-87-6	
Methylene Chloride	ND	ug/kg	17.0	1		03/05/24 09:56	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	21.3	1		03/05/24 09:56	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.3	1		03/05/24 09:56	1634-04-4	
n-Propylbenzene	ND	ug/kg	4.3	1		03/05/24 09:56	103-65-1	
Styrene	ND	ug/kg	4.3	1		03/05/24 09:56	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.3	1		03/05/24 09:56	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.3	1		03/05/24 09:56	79-34-5	
Tetrachloroethene	ND	ug/kg	4.3	1		03/05/24 09:56	127-18-4	
Toluene	ND	ug/kg	4.3	1		03/05/24 09:56	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.3	1		03/05/24 09:56	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.3	1		03/05/24 09:56	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.3	1		03/05/24 09:56	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.3	1		03/05/24 09:56	79-00-5	
Trichloroethene	ND	ug/kg	4.3	1		03/05/24 09:56	79-01-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50366942

Sample: B-11 (14-16) **Lab ID: 50366942004** Collected: 02/27/24 12:10 Received: 02/28/24 14:30 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							
	Pace Analytical Services - Indianapolis							
Trichlorofluoromethane	ND	ug/kg	4.3	1		03/05/24 09:56	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.3	1		03/05/24 09:56	96-18-4	
1,2,4-Trimethylbenzene	**5.7**	ug/kg	4.3	1		03/05/24 09:56	95-63-6	
1,3,5-Trimethylbenzene	**6.4**	ug/kg	4.3	1		03/05/24 09:56	108-67-8	
Vinyl acetate	ND	ug/kg	85.1	1		03/05/24 09:56	108-05-4	
Vinyl chloride	ND	ug/kg	4.3	1		03/05/24 09:56	75-01-4	
Xylene (Total)	ND	ug/kg	8.5	1		03/05/24 09:56	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	99	%.	75-135	1		03/05/24 09:56	1868-53-7	
Toluene-d8 (S)	106	%.	65-148	1		03/05/24 09:56	2037-26-5	
4-Bromofluorobenzene (S)	96	%.	63-132	1		03/05/24 09:56	460-00-4	
Percent Moisture	Analytical Method: SM 2540G							
	Pace Analytical Services - Indianapolis							
Percent Moisture	**9.3**	%	0.10	1		03/08/24 15:47		N2

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50366942

Sample: B-11 (18-20) **Lab ID: 50366942005** Collected: 02/27/24 12:15 Received: 02/28/24 14:30 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 Pace Analytical Services - Indianapolis							
Lead	**3.7**	mg/kg	1.0	1	03/10/24 23:20	03/12/24 00:35	7439-92-1	
8270 PAH Soil by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546 Pace Analytical Services - Indianapolis							
Acenaphthene	ND	ug/kg	5.6	1	03/11/24 23:58	03/12/24 20:47	83-32-9	
Acenaphthylene	ND	ug/kg	5.6	1	03/11/24 23:58	03/12/24 20:47	208-96-8	
Anthracene	ND	ug/kg	5.6	1	03/11/24 23:58	03/12/24 20:47	120-12-7	
Benzo(a)anthracene	ND	ug/kg	5.6	1	03/11/24 23:58	03/12/24 20:47	56-55-3	
Benzo(a)pyrene	ND	ug/kg	5.6	1	03/11/24 23:58	03/12/24 20:47	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	5.6	1	03/11/24 23:58	03/12/24 20:47	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	5.6	1	03/11/24 23:58	03/12/24 20:47	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	5.6	1	03/11/24 23:58	03/12/24 20:47	207-08-9	
Chrysene	ND	ug/kg	5.6	1	03/11/24 23:58	03/12/24 20:47	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	5.6	1	03/11/24 23:58	03/12/24 20:47	53-70-3	
Fluoranthene	ND	ug/kg	5.6	1	03/11/24 23:58	03/12/24 20:47	206-44-0	
Fluorene	ND	ug/kg	5.6	1	03/11/24 23:58	03/12/24 20:47	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	5.6	1	03/11/24 23:58	03/12/24 20:47	193-39-5	
1-Methylnaphthalene	ND	ug/kg	5.6	1	03/11/24 23:58	03/12/24 20:47	90-12-0	
2-Methylnaphthalene	ND	ug/kg	5.6	1	03/11/24 23:58	03/12/24 20:47	91-57-6	
Naphthalene	ND	ug/kg	5.6	1	03/11/24 23:58	03/12/24 20:47	91-20-3	
Phenanthrene	ND	ug/kg	5.6	1	03/11/24 23:58	03/12/24 20:47	85-01-8	
Pyrene	ND	ug/kg	5.6	1	03/11/24 23:58	03/12/24 20:47	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	54	%.	23-115	1	03/11/24 23:58	03/12/24 20:47	321-60-8	
p-Terphenyl-d14 (S)	64	%.	19-136	1	03/11/24 23:58	03/12/24 20:47	1718-51-0	
8260 MSV 5035A VOA	Analytical Method: EPA 8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/kg	99.0	1		03/05/24 13:12	67-64-1	
Acrolein	ND	ug/kg	99.0	1		03/05/24 13:12	107-02-8	
Acrylonitrile	ND	ug/kg	99.0	1		03/05/24 13:12	107-13-1	
Benzene	ND	ug/kg	5.0	1		03/05/24 13:12	71-43-2	
Bromobenzene	ND	ug/kg	5.0	1		03/05/24 13:12	108-86-1	
Bromochloromethane	ND	ug/kg	5.0	1		03/05/24 13:12	74-97-5	
Bromodichloromethane	ND	ug/kg	5.0	1		03/05/24 13:12	75-27-4	
Bromoform	ND	ug/kg	5.0	1		03/05/24 13:12	75-25-2	
Bromomethane	ND	ug/kg	5.0	1		03/05/24 13:12	74-83-9	
2-Butanone (MEK)	ND	ug/kg	24.8	1		03/05/24 13:12	78-93-3	
n-Butylbenzene	ND	ug/kg	5.0	1		03/05/24 13:12	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.0	1		03/05/24 13:12	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.0	1		03/05/24 13:12	98-06-6	
Carbon disulfide	ND	ug/kg	9.9	1		03/05/24 13:12	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.0	1		03/05/24 13:12	56-23-5	
Chlorobenzene	ND	ug/kg	5.0	1		03/05/24 13:12	108-90-7	
Chloroethane	ND	ug/kg	5.0	1		03/05/24 13:12	75-00-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50366942

Sample: B-11 (18-20) **Lab ID: 50366942005** Collected: 02/27/24 12:15 Received: 02/28/24 14:30 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 Pace Analytical Services - Indianapolis							
Chloroform	ND	ug/kg	5.0	1		03/05/24 13:12	67-66-3	
Chloromethane	ND	ug/kg	5.0	1		03/05/24 13:12	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.0	1		03/05/24 13:12	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.0	1		03/05/24 13:12	106-43-4	
Dibromochloromethane	ND	ug/kg	5.0	1		03/05/24 13:12	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.0	1		03/05/24 13:12	106-93-4	
Dibromomethane	ND	ug/kg	5.0	1		03/05/24 13:12	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.0	1		03/05/24 13:12	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.0	1		03/05/24 13:12	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.0	1		03/05/24 13:12	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	99.0	1		03/05/24 13:12	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	5.0	1		03/05/24 13:12	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.0	1		03/05/24 13:12	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.0	1		03/05/24 13:12	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.0	1		03/05/24 13:12	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.0	1		03/05/24 13:12	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.0	1		03/05/24 13:12	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.0	1		03/05/24 13:12	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.0	1		03/05/24 13:12	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.0	1		03/05/24 13:12	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.0	1		03/05/24 13:12	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.0	1		03/05/24 13:12	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.0	1		03/05/24 13:12	10061-02-6	
Ethylbenzene	ND	ug/kg	5.0	1		03/05/24 13:12	100-41-4	
Ethyl methacrylate	ND	ug/kg	99.0	1		03/05/24 13:12	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	5.0	1		03/05/24 13:12	87-68-3	
n-Hexane	ND	ug/kg	5.0	1		03/05/24 13:12	110-54-3	
2-Hexanone	ND	ug/kg	99.0	1		03/05/24 13:12	591-78-6	
Iodomethane	ND	ug/kg	99.0	1		03/05/24 13:12	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	5.0	1		03/05/24 13:12	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.0	1		03/05/24 13:12	99-87-6	
Methylene Chloride	ND	ug/kg	19.8	1		03/05/24 13:12	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	24.8	1		03/05/24 13:12	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.0	1		03/05/24 13:12	1634-04-4	
n-Propylbenzene	ND	ug/kg	5.0	1		03/05/24 13:12	103-65-1	
Styrene	ND	ug/kg	5.0	1		03/05/24 13:12	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.0	1		03/05/24 13:12	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.0	1		03/05/24 13:12	79-34-5	
Tetrachloroethene	ND	ug/kg	5.0	1		03/05/24 13:12	127-18-4	
Toluene	ND	ug/kg	5.0	1		03/05/24 13:12	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.0	1		03/05/24 13:12	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.0	1		03/05/24 13:12	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.0	1		03/05/24 13:12	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.0	1		03/05/24 13:12	79-00-5	
Trichloroethene	ND	ug/kg	5.0	1		03/05/24 13:12	79-01-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50366942

Sample: B-11 (18-20) **Lab ID: 50366942005** Collected: 02/27/24 12:15 Received: 02/28/24 14:30 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							
	Pace Analytical Services - Indianapolis							
Trichlorofluoromethane	ND	ug/kg	5.0	1		03/05/24 13:12	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.0	1		03/05/24 13:12	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.0	1		03/05/24 13:12	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.0	1		03/05/24 13:12	108-67-8	
Vinyl acetate	ND	ug/kg	99.0	1		03/05/24 13:12	108-05-4	
Vinyl chloride	ND	ug/kg	5.0	1		03/05/24 13:12	75-01-4	
Xylene (Total)	ND	ug/kg	9.9	1		03/05/24 13:12	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	103	%.	75-135	1		03/05/24 13:12	1868-53-7	
Toluene-d8 (S)	109	%.	65-148	1		03/05/24 13:12	2037-26-5	
4-Bromofluorobenzene (S)	92	%.	63-132	1		03/05/24 13:12	460-00-4	
Percent Moisture	Analytical Method: SM 2540G							
	Pace Analytical Services - Indianapolis							
Percent Moisture	**13.4**	%	0.10	1		03/11/24 13:58		N2

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50366942

Sample: B-12 (6-8) **Lab ID: 50366942006** Collected: 02/27/24 13:20 Received: 02/28/24 14:30 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 Pace Analytical Services - Indianapolis							
Lead	**8.6**	mg/kg	1.1	1	03/10/24 23:20	03/12/24 00:37	7439-92-1	
8270 PAH Soil by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546 Pace Analytical Services - Indianapolis							
Acenaphthene	ND	ug/kg	6.0	1	03/11/24 23:58	03/12/24 21:01	83-32-9	
Acenaphthylene	ND	ug/kg	6.0	1	03/11/24 23:58	03/12/24 21:01	208-96-8	
Anthracene	ND	ug/kg	6.0	1	03/11/24 23:58	03/12/24 21:01	120-12-7	
Benzo(a)anthracene	ND	ug/kg	6.0	1	03/11/24 23:58	03/12/24 21:01	56-55-3	
Benzo(a)pyrene	ND	ug/kg	6.0	1	03/11/24 23:58	03/12/24 21:01	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	6.0	1	03/11/24 23:58	03/12/24 21:01	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	6.0	1	03/11/24 23:58	03/12/24 21:01	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	6.0	1	03/11/24 23:58	03/12/24 21:01	207-08-9	
Chrysene	ND	ug/kg	6.0	1	03/11/24 23:58	03/12/24 21:01	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	6.0	1	03/11/24 23:58	03/12/24 21:01	53-70-3	
Fluoranthene	**6.6**	ug/kg	6.0	1	03/11/24 23:58	03/12/24 21:01	206-44-0	
Fluorene	ND	ug/kg	6.0	1	03/11/24 23:58	03/12/24 21:01	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	6.0	1	03/11/24 23:58	03/12/24 21:01	193-39-5	
1-Methylnaphthalene	ND	ug/kg	6.0	1	03/11/24 23:58	03/12/24 21:01	90-12-0	
2-Methylnaphthalene	ND	ug/kg	6.0	1	03/11/24 23:58	03/12/24 21:01	91-57-6	
Naphthalene	ND	ug/kg	6.0	1	03/11/24 23:58	03/12/24 21:01	91-20-3	
Phenanthrene	ND	ug/kg	6.0	1	03/11/24 23:58	03/12/24 21:01	85-01-8	
Pyrene	**37.5**	ug/kg	6.0	1	03/11/24 23:58	03/12/24 21:01	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	53	%.	23-115	1	03/11/24 23:58	03/12/24 21:01	321-60-8	
p-Terphenyl-d14 (S)	68	%.	19-136	1	03/11/24 23:58	03/12/24 21:01	1718-51-0	
8260 MSV 5035A VOA	Analytical Method: EPA 8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/kg	88.8	1		03/05/24 13:42	67-64-1	
Acrolein	ND	ug/kg	88.8	1		03/05/24 13:42	107-02-8	
Acrylonitrile	ND	ug/kg	88.8	1		03/05/24 13:42	107-13-1	
Benzene	ND	ug/kg	4.4	1		03/05/24 13:42	71-43-2	
Bromobenzene	ND	ug/kg	4.4	1		03/05/24 13:42	108-86-1	
Bromochloromethane	ND	ug/kg	4.4	1		03/05/24 13:42	74-97-5	
Bromodichloromethane	ND	ug/kg	4.4	1		03/05/24 13:42	75-27-4	
Bromoform	ND	ug/kg	4.4	1		03/05/24 13:42	75-25-2	
Bromomethane	ND	ug/kg	4.4	1		03/05/24 13:42	74-83-9	
2-Butanone (MEK)	ND	ug/kg	22.2	1		03/05/24 13:42	78-93-3	
n-Butylbenzene	ND	ug/kg	4.4	1		03/05/24 13:42	104-51-8	
sec-Butylbenzene	**9.4**	ug/kg	4.4	1		03/05/24 13:42	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.4	1		03/05/24 13:42	98-06-6	
Carbon disulfide	ND	ug/kg	8.9	1		03/05/24 13:42	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.4	1		03/05/24 13:42	56-23-5	
Chlorobenzene	ND	ug/kg	4.4	1		03/05/24 13:42	108-90-7	
Chloroethane	ND	ug/kg	4.4	1		03/05/24 13:42	75-00-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50366942

Sample: B-12 (6-8) **Lab ID: 50366942006** Collected: 02/27/24 13:20 Received: 02/28/24 14:30 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 Pace Analytical Services - Indianapolis							
Chloroform	ND	ug/kg	4.4	1		03/05/24 13:42	67-66-3	
Chloromethane	ND	ug/kg	4.4	1		03/05/24 13:42	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.4	1		03/05/24 13:42	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.4	1		03/05/24 13:42	106-43-4	
Dibromochloromethane	ND	ug/kg	4.4	1		03/05/24 13:42	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.4	1		03/05/24 13:42	106-93-4	
Dibromomethane	ND	ug/kg	4.4	1		03/05/24 13:42	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.4	1		03/05/24 13:42	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.4	1		03/05/24 13:42	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.4	1		03/05/24 13:42	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	88.8	1		03/05/24 13:42	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	4.4	1		03/05/24 13:42	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.4	1		03/05/24 13:42	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.4	1		03/05/24 13:42	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.4	1		03/05/24 13:42	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.4	1		03/05/24 13:42	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.4	1		03/05/24 13:42	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.4	1		03/05/24 13:42	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.4	1		03/05/24 13:42	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.4	1		03/05/24 13:42	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.4	1		03/05/24 13:42	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.4	1		03/05/24 13:42	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.4	1		03/05/24 13:42	10061-02-6	
Ethylbenzene	ND	ug/kg	4.4	1		03/05/24 13:42	100-41-4	
Ethyl methacrylate	ND	ug/kg	88.8	1		03/05/24 13:42	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	4.4	1		03/05/24 13:42	87-68-3	
n-Hexane	ND	ug/kg	4.4	1		03/05/24 13:42	110-54-3	
2-Hexanone	ND	ug/kg	88.8	1		03/05/24 13:42	591-78-6	
Iodomethane	ND	ug/kg	88.8	1		03/05/24 13:42	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	4.4	1		03/05/24 13:42	98-82-8	
p-Isopropyltoluene	**14.4**	ug/kg	4.4	1		03/05/24 13:42	99-87-6	
Methylene Chloride	ND	ug/kg	17.8	1		03/05/24 13:42	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	22.2	1		03/05/24 13:42	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.4	1		03/05/24 13:42	1634-04-4	
n-Propylbenzene	ND	ug/kg	4.4	1		03/05/24 13:42	103-65-1	
Styrene	ND	ug/kg	4.4	1		03/05/24 13:42	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.4	1		03/05/24 13:42	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.4	1		03/05/24 13:42	79-34-5	
Tetrachloroethene	ND	ug/kg	4.4	1		03/05/24 13:42	127-18-4	
Toluene	ND	ug/kg	4.4	1		03/05/24 13:42	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.4	1		03/05/24 13:42	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.4	1		03/05/24 13:42	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.4	1		03/05/24 13:42	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.4	1		03/05/24 13:42	79-00-5	
Trichloroethene	ND	ug/kg	4.4	1		03/05/24 13:42	79-01-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50366942

Sample: B-12 (6-8) **Lab ID: 50366942006** Collected: 02/27/24 13:20 Received: 02/28/24 14:30 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							
	Pace Analytical Services - Indianapolis							
Trichlorofluoromethane	ND	ug/kg	4.4	1		03/05/24 13:42	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.4	1		03/05/24 13:42	96-18-4	
1,2,4-Trimethylbenzene	**46.2**	ug/kg	4.4	1		03/05/24 13:42	95-63-6	
1,3,5-Trimethylbenzene	**43.3**	ug/kg	4.4	1		03/05/24 13:42	108-67-8	
Vinyl acetate	ND	ug/kg	88.8	1		03/05/24 13:42	108-05-4	
Vinyl chloride	ND	ug/kg	4.4	1		03/05/24 13:42	75-01-4	
Xylene (Total)	ND	ug/kg	8.9	1		03/05/24 13:42	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	103	%.	75-135	1		03/05/24 13:42	1868-53-7	
Toluene-d8 (S)	111	%.	65-148	1		03/05/24 13:42	2037-26-5	
4-Bromofluorobenzene (S)	95	%.	63-132	1		03/05/24 13:42	460-00-4	
Percent Moisture	Analytical Method: SM 2540G							
	Pace Analytical Services - Indianapolis							
Percent Moisture	**18.8**	%	0.10	1		03/11/24 13:58		N2

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50366942

Sample: B-12 (10-12) **Lab ID: 50366942007** Collected: 02/27/24 13:25 Received: 02/28/24 14:30 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 Pace Analytical Services - Indianapolis							
Lead	**2.7**	mg/kg	1.0	1	03/10/24 23:20	03/12/24 00:38	7439-92-1	
8270 PAH Soil by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546 Pace Analytical Services - Indianapolis							
Acenaphthene	ND	ug/kg	5.4	1	03/11/24 23:58	03/12/24 21:14	83-32-9	
Acenaphthylene	ND	ug/kg	5.4	1	03/11/24 23:58	03/12/24 21:14	208-96-8	
Anthracene	ND	ug/kg	5.4	1	03/11/24 23:58	03/12/24 21:14	120-12-7	
Benzo(a)anthracene	ND	ug/kg	5.4	1	03/11/24 23:58	03/12/24 21:14	56-55-3	
Benzo(a)pyrene	ND	ug/kg	5.4	1	03/11/24 23:58	03/12/24 21:14	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	5.4	1	03/11/24 23:58	03/12/24 21:14	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	5.4	1	03/11/24 23:58	03/12/24 21:14	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	5.4	1	03/11/24 23:58	03/12/24 21:14	207-08-9	
Chrysene	ND	ug/kg	5.4	1	03/11/24 23:58	03/12/24 21:14	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	5.4	1	03/11/24 23:58	03/12/24 21:14	53-70-3	
Fluoranthene	ND	ug/kg	5.4	1	03/11/24 23:58	03/12/24 21:14	206-44-0	
Fluorene	ND	ug/kg	5.4	1	03/11/24 23:58	03/12/24 21:14	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	5.4	1	03/11/24 23:58	03/12/24 21:14	193-39-5	
1-Methylnaphthalene	ND	ug/kg	5.4	1	03/11/24 23:58	03/12/24 21:14	90-12-0	
2-Methylnaphthalene	ND	ug/kg	5.4	1	03/11/24 23:58	03/12/24 21:14	91-57-6	
Naphthalene	ND	ug/kg	5.4	1	03/11/24 23:58	03/12/24 21:14	91-20-3	
Phenanthrene	ND	ug/kg	5.4	1	03/11/24 23:58	03/12/24 21:14	85-01-8	
Pyrene	**5.5**	ug/kg	5.4	1	03/11/24 23:58	03/12/24 21:14	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	59	%.	23-115	1	03/11/24 23:58	03/12/24 21:14	321-60-8	
p-Terphenyl-d14 (S)	71	%.	19-136	1	03/11/24 23:58	03/12/24 21:14	1718-51-0	
8260 MSV 5035A VOA	Analytical Method: EPA 8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/kg	77.5	1		03/05/24 14:12	67-64-1	
Acrolein	ND	ug/kg	77.5	1		03/05/24 14:12	107-02-8	
Acrylonitrile	ND	ug/kg	77.5	1		03/05/24 14:12	107-13-1	
Benzene	ND	ug/kg	3.9	1		03/05/24 14:12	71-43-2	
Bromobenzene	ND	ug/kg	3.9	1		03/05/24 14:12	108-86-1	
Bromochloromethane	ND	ug/kg	3.9	1		03/05/24 14:12	74-97-5	
Bromodichloromethane	ND	ug/kg	3.9	1		03/05/24 14:12	75-27-4	
Bromoform	ND	ug/kg	3.9	1		03/05/24 14:12	75-25-2	
Bromomethane	ND	ug/kg	3.9	1		03/05/24 14:12	74-83-9	
2-Butanone (MEK)	ND	ug/kg	19.4	1		03/05/24 14:12	78-93-3	
n-Butylbenzene	ND	ug/kg	3.9	1		03/05/24 14:12	104-51-8	
sec-Butylbenzene	ND	ug/kg	3.9	1		03/05/24 14:12	135-98-8	
tert-Butylbenzene	ND	ug/kg	3.9	1		03/05/24 14:12	98-06-6	
Carbon disulfide	ND	ug/kg	7.7	1		03/05/24 14:12	75-15-0	
Carbon tetrachloride	ND	ug/kg	3.9	1		03/05/24 14:12	56-23-5	
Chlorobenzene	ND	ug/kg	3.9	1		03/05/24 14:12	108-90-7	
Chloroethane	ND	ug/kg	3.9	1		03/05/24 14:12	75-00-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50366942

Sample: B-12 (10-12) **Lab ID: 50366942007** Collected: 02/27/24 13:25 Received: 02/28/24 14:30 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 Pace Analytical Services - Indianapolis							
Chloroform	ND	ug/kg	3.9	1		03/05/24 14:12	67-66-3	
Chloromethane	ND	ug/kg	3.9	1		03/05/24 14:12	74-87-3	
2-Chlorotoluene	ND	ug/kg	3.9	1		03/05/24 14:12	95-49-8	
4-Chlorotoluene	ND	ug/kg	3.9	1		03/05/24 14:12	106-43-4	
Dibromochloromethane	ND	ug/kg	3.9	1		03/05/24 14:12	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	3.9	1		03/05/24 14:12	106-93-4	
Dibromomethane	ND	ug/kg	3.9	1		03/05/24 14:12	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	3.9	1		03/05/24 14:12	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	3.9	1		03/05/24 14:12	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	3.9	1		03/05/24 14:12	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	77.5	1		03/05/24 14:12	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	3.9	1		03/05/24 14:12	75-71-8	
1,1-Dichloroethane	ND	ug/kg	3.9	1		03/05/24 14:12	75-34-3	
1,2-Dichloroethane	ND	ug/kg	3.9	1		03/05/24 14:12	107-06-2	
1,1-Dichloroethene	ND	ug/kg	3.9	1		03/05/24 14:12	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	3.9	1		03/05/24 14:12	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	3.9	1		03/05/24 14:12	156-60-5	
1,2-Dichloropropane	ND	ug/kg	3.9	1		03/05/24 14:12	78-87-5	
1,3-Dichloropropane	ND	ug/kg	3.9	1		03/05/24 14:12	142-28-9	
2,2-Dichloropropane	ND	ug/kg	3.9	1		03/05/24 14:12	594-20-7	
1,1-Dichloropropene	ND	ug/kg	3.9	1		03/05/24 14:12	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	3.9	1		03/05/24 14:12	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	3.9	1		03/05/24 14:12	10061-02-6	
Ethylbenzene	ND	ug/kg	3.9	1		03/05/24 14:12	100-41-4	
Ethyl methacrylate	ND	ug/kg	77.5	1		03/05/24 14:12	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	3.9	1		03/05/24 14:12	87-68-3	
n-Hexane	ND	ug/kg	3.9	1		03/05/24 14:12	110-54-3	
2-Hexanone	ND	ug/kg	77.5	1		03/05/24 14:12	591-78-6	
Iodomethane	ND	ug/kg	77.5	1		03/05/24 14:12	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	3.9	1		03/05/24 14:12	98-82-8	
p-Isopropyltoluene	ND	ug/kg	3.9	1		03/05/24 14:12	99-87-6	
Methylene Chloride	ND	ug/kg	15.5	1		03/05/24 14:12	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	19.4	1		03/05/24 14:12	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	3.9	1		03/05/24 14:12	1634-04-4	
n-Propylbenzene	ND	ug/kg	3.9	1		03/05/24 14:12	103-65-1	
Styrene	ND	ug/kg	3.9	1		03/05/24 14:12	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	3.9	1		03/05/24 14:12	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	3.9	1		03/05/24 14:12	79-34-5	
Tetrachloroethene	ND	ug/kg	3.9	1		03/05/24 14:12	127-18-4	
Toluene	ND	ug/kg	3.9	1		03/05/24 14:12	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	3.9	1		03/05/24 14:12	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	3.9	1		03/05/24 14:12	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	3.9	1		03/05/24 14:12	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	3.9	1		03/05/24 14:12	79-00-5	
Trichloroethene	ND	ug/kg	3.9	1		03/05/24 14:12	79-01-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50366942

Sample: B-12 (10-12) **Lab ID: 50366942007** Collected: 02/27/24 13:25 Received: 02/28/24 14:30 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							
	Pace Analytical Services - Indianapolis							
Trichlorofluoromethane	ND	ug/kg	3.9	1		03/05/24 14:12	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	3.9	1		03/05/24 14:12	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	3.9	1		03/05/24 14:12	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	3.9	1		03/05/24 14:12	108-67-8	
Vinyl acetate	ND	ug/kg	77.5	1		03/05/24 14:12	108-05-4	
Vinyl chloride	ND	ug/kg	3.9	1		03/05/24 14:12	75-01-4	
Xylene (Total)	ND	ug/kg	7.7	1		03/05/24 14:12	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	99	%.	75-135	1		03/05/24 14:12	1868-53-7	
Toluene-d8 (S)	101	%.	65-148	1		03/05/24 14:12	2037-26-5	
4-Bromofluorobenzene (S)	100	%.	63-132	1		03/05/24 14:12	460-00-4	
Percent Moisture	Analytical Method: SM 2540G							
	Pace Analytical Services - Indianapolis							
Percent Moisture	**10**	%	0.10	1		03/11/24 13:58		N2

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50366942

Sample: B-12 (14-16) **Lab ID: 50366942008** Collected: 02/27/24 13:30 Received: 02/28/24 14:30 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 Pace Analytical Services - Indianapolis							
Lead	**4.0**	mg/kg	1.1	1	03/10/24 23:20	03/12/24 00:49	7439-92-1	
8270 PAH Soil by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546 Pace Analytical Services - Indianapolis							
Acenaphthene	ND	ug/kg	5.5	1	03/11/24 23:58	03/12/24 21:27	83-32-9	
Acenaphthylene	ND	ug/kg	5.5	1	03/11/24 23:58	03/12/24 21:27	208-96-8	
Anthracene	ND	ug/kg	5.5	1	03/11/24 23:58	03/12/24 21:27	120-12-7	
Benzo(a)anthracene	ND	ug/kg	5.5	1	03/11/24 23:58	03/12/24 21:27	56-55-3	
Benzo(a)pyrene	ND	ug/kg	5.5	1	03/11/24 23:58	03/12/24 21:27	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	5.5	1	03/11/24 23:58	03/12/24 21:27	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	5.5	1	03/11/24 23:58	03/12/24 21:27	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	5.5	1	03/11/24 23:58	03/12/24 21:27	207-08-9	
Chrysene	ND	ug/kg	5.5	1	03/11/24 23:58	03/12/24 21:27	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	5.5	1	03/11/24 23:58	03/12/24 21:27	53-70-3	
Fluoranthene	ND	ug/kg	5.5	1	03/11/24 23:58	03/12/24 21:27	206-44-0	
Fluorene	ND	ug/kg	5.5	1	03/11/24 23:58	03/12/24 21:27	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	5.5	1	03/11/24 23:58	03/12/24 21:27	193-39-5	
1-Methylnaphthalene	ND	ug/kg	5.5	1	03/11/24 23:58	03/12/24 21:27	90-12-0	
2-Methylnaphthalene	ND	ug/kg	5.5	1	03/11/24 23:58	03/12/24 21:27	91-57-6	
Naphthalene	ND	ug/kg	5.5	1	03/11/24 23:58	03/12/24 21:27	91-20-3	
Phenanthrene	ND	ug/kg	5.5	1	03/11/24 23:58	03/12/24 21:27	85-01-8	
Pyrene	ND	ug/kg	5.5	1	03/11/24 23:58	03/12/24 21:27	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	51	%.	23-115	1	03/11/24 23:58	03/12/24 21:27	321-60-8	
p-Terphenyl-d14 (S)	63	%.	19-136	1	03/11/24 23:58	03/12/24 21:27	1718-51-0	
8260 MSV 5035A VOA	Analytical Method: EPA 8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/kg	81.8	1		03/05/24 14:43	67-64-1	
Acrolein	ND	ug/kg	81.8	1		03/05/24 14:43	107-02-8	
Acrylonitrile	ND	ug/kg	81.8	1		03/05/24 14:43	107-13-1	
Benzene	ND	ug/kg	4.1	1		03/05/24 14:43	71-43-2	
Bromobenzene	ND	ug/kg	4.1	1		03/05/24 14:43	108-86-1	
Bromochloromethane	ND	ug/kg	4.1	1		03/05/24 14:43	74-97-5	
Bromodichloromethane	ND	ug/kg	4.1	1		03/05/24 14:43	75-27-4	
Bromoform	ND	ug/kg	4.1	1		03/05/24 14:43	75-25-2	
Bromomethane	ND	ug/kg	4.1	1		03/05/24 14:43	74-83-9	
2-Butanone (MEK)	ND	ug/kg	20.4	1		03/05/24 14:43	78-93-3	
n-Butylbenzene	ND	ug/kg	4.1	1		03/05/24 14:43	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.1	1		03/05/24 14:43	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.1	1		03/05/24 14:43	98-06-6	
Carbon disulfide	ND	ug/kg	8.2	1		03/05/24 14:43	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.1	1		03/05/24 14:43	56-23-5	
Chlorobenzene	ND	ug/kg	4.1	1		03/05/24 14:43	108-90-7	
Chloroethane	ND	ug/kg	4.1	1		03/05/24 14:43	75-00-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50366942

Sample: B-12 (14-16) **Lab ID: 50366942008** Collected: 02/27/24 13:30 Received: 02/28/24 14:30 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 Pace Analytical Services - Indianapolis							
Chloroform	ND	ug/kg	4.1	1		03/05/24 14:43	67-66-3	
Chloromethane	ND	ug/kg	4.1	1		03/05/24 14:43	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.1	1		03/05/24 14:43	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.1	1		03/05/24 14:43	106-43-4	
Dibromochloromethane	ND	ug/kg	4.1	1		03/05/24 14:43	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.1	1		03/05/24 14:43	106-93-4	
Dibromomethane	ND	ug/kg	4.1	1		03/05/24 14:43	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.1	1		03/05/24 14:43	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.1	1		03/05/24 14:43	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.1	1		03/05/24 14:43	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	81.8	1		03/05/24 14:43	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	4.1	1		03/05/24 14:43	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.1	1		03/05/24 14:43	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.1	1		03/05/24 14:43	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.1	1		03/05/24 14:43	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.1	1		03/05/24 14:43	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.1	1		03/05/24 14:43	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.1	1		03/05/24 14:43	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.1	1		03/05/24 14:43	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.1	1		03/05/24 14:43	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.1	1		03/05/24 14:43	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.1	1		03/05/24 14:43	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.1	1		03/05/24 14:43	10061-02-6	
Ethylbenzene	ND	ug/kg	4.1	1		03/05/24 14:43	100-41-4	
Ethyl methacrylate	ND	ug/kg	81.8	1		03/05/24 14:43	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	4.1	1		03/05/24 14:43	87-68-3	
n-Hexane	ND	ug/kg	4.1	1		03/05/24 14:43	110-54-3	
2-Hexanone	ND	ug/kg	81.8	1		03/05/24 14:43	591-78-6	
Iodomethane	ND	ug/kg	81.8	1		03/05/24 14:43	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	4.1	1		03/05/24 14:43	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.1	1		03/05/24 14:43	99-87-6	
Methylene Chloride	ND	ug/kg	16.4	1		03/05/24 14:43	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	20.4	1		03/05/24 14:43	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.1	1		03/05/24 14:43	1634-04-4	
n-Propylbenzene	ND	ug/kg	4.1	1		03/05/24 14:43	103-65-1	
Styrene	ND	ug/kg	4.1	1		03/05/24 14:43	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.1	1		03/05/24 14:43	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.1	1		03/05/24 14:43	79-34-5	
Tetrachloroethene	ND	ug/kg	4.1	1		03/05/24 14:43	127-18-4	
Toluene	ND	ug/kg	4.1	1		03/05/24 14:43	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.1	1		03/05/24 14:43	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.1	1		03/05/24 14:43	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.1	1		03/05/24 14:43	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.1	1		03/05/24 14:43	79-00-5	
Trichloroethene	ND	ug/kg	4.1	1		03/05/24 14:43	79-01-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50366942

Sample: B-12 (14-16) **Lab ID: 50366942008** Collected: 02/27/24 13:30 Received: 02/28/24 14:30 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							
	Pace Analytical Services - Indianapolis							
Trichlorofluoromethane	ND	ug/kg	4.1	1		03/05/24 14:43	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.1	1		03/05/24 14:43	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.1	1		03/05/24 14:43	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.1	1		03/05/24 14:43	108-67-8	
Vinyl acetate	ND	ug/kg	81.8	1		03/05/24 14:43	108-05-4	
Vinyl chloride	ND	ug/kg	4.1	1		03/05/24 14:43	75-01-4	
Xylene (Total)	ND	ug/kg	8.2	1		03/05/24 14:43	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	100	%.	75-135	1		03/05/24 14:43	1868-53-7	
Toluene-d8 (S)	106	%.	65-148	1		03/05/24 14:43	2037-26-5	
4-Bromofluorobenzene (S)	95	%.	63-132	1		03/05/24 14:43	460-00-4	
Percent Moisture	Analytical Method: SM 2540G							
	Pace Analytical Services - Indianapolis							
Percent Moisture	**11.8**	%	0.10	1		03/11/24 13:58		N2

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50366942

Sample: B-13 (2-4) **Lab ID: 50366942009** Collected: 02/27/24 14:25 Received: 02/28/24 14:30 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 Pace Analytical Services - Indianapolis							
Lead	**16.2**	mg/kg	1.1	1	03/10/24 23:20	03/12/24 00:50	7439-92-1	
8270 PAH Soil by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546 Pace Analytical Services - Indianapolis							
Acenaphthene	ND	ug/kg	5.5	1	03/11/24 23:58	03/12/24 21:41	83-32-9	
Acenaphthylene	ND	ug/kg	5.5	1	03/11/24 23:58	03/12/24 21:41	208-96-8	
Anthracene	ND	ug/kg	5.5	1	03/11/24 23:58	03/12/24 21:41	120-12-7	
Benzo(a)anthracene	ND	ug/kg	5.5	1	03/11/24 23:58	03/12/24 21:41	56-55-3	
Benzo(a)pyrene	ND	ug/kg	5.5	1	03/11/24 23:58	03/12/24 21:41	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	5.5	1	03/11/24 23:58	03/12/24 21:41	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	5.5	1	03/11/24 23:58	03/12/24 21:41	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	5.5	1	03/11/24 23:58	03/12/24 21:41	207-08-9	
Chrysene	ND	ug/kg	5.5	1	03/11/24 23:58	03/12/24 21:41	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	5.5	1	03/11/24 23:58	03/12/24 21:41	53-70-3	
Fluoranthene	ND	ug/kg	5.5	1	03/11/24 23:58	03/12/24 21:41	206-44-0	
Fluorene	ND	ug/kg	5.5	1	03/11/24 23:58	03/12/24 21:41	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	5.5	1	03/11/24 23:58	03/12/24 21:41	193-39-5	
1-Methylnaphthalene	ND	ug/kg	5.5	1	03/11/24 23:58	03/12/24 21:41	90-12-0	
2-Methylnaphthalene	ND	ug/kg	5.5	1	03/11/24 23:58	03/12/24 21:41	91-57-6	
Naphthalene	ND	ug/kg	5.5	1	03/11/24 23:58	03/12/24 21:41	91-20-3	
Phenanthrene	ND	ug/kg	5.5	1	03/11/24 23:58	03/12/24 21:41	85-01-8	
Pyrene	ND	ug/kg	5.5	1	03/11/24 23:58	03/12/24 21:41	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	62	%.	23-115	1	03/11/24 23:58	03/12/24 21:41	321-60-8	
p-Terphenyl-d14 (S)	82	%.	19-136	1	03/11/24 23:58	03/12/24 21:41	1718-51-0	
8260 MSV 5035A VOA	Analytical Method: EPA 8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/kg	81.8	1		03/05/24 15:13	67-64-1	
Acrolein	ND	ug/kg	81.8	1		03/05/24 15:13	107-02-8	
Acrylonitrile	ND	ug/kg	81.8	1		03/05/24 15:13	107-13-1	
Benzene	ND	ug/kg	4.1	1		03/05/24 15:13	71-43-2	
Bromobenzene	ND	ug/kg	4.1	1		03/05/24 15:13	108-86-1	
Bromochloromethane	ND	ug/kg	4.1	1		03/05/24 15:13	74-97-5	
Bromodichloromethane	ND	ug/kg	4.1	1		03/05/24 15:13	75-27-4	
Bromoform	ND	ug/kg	4.1	1		03/05/24 15:13	75-25-2	
Bromomethane	ND	ug/kg	4.1	1		03/05/24 15:13	74-83-9	
2-Butanone (MEK)	ND	ug/kg	20.5	1		03/05/24 15:13	78-93-3	
n-Butylbenzene	ND	ug/kg	4.1	1		03/05/24 15:13	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.1	1		03/05/24 15:13	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.1	1		03/05/24 15:13	98-06-6	
Carbon disulfide	ND	ug/kg	8.2	1		03/05/24 15:13	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.1	1		03/05/24 15:13	56-23-5	
Chlorobenzene	ND	ug/kg	4.1	1		03/05/24 15:13	108-90-7	
Chloroethane	ND	ug/kg	4.1	1		03/05/24 15:13	75-00-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50366942

Sample: B-13 (2-4) **Lab ID: 50366942009** Collected: 02/27/24 14:25 Received: 02/28/24 14:30 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 Pace Analytical Services - Indianapolis							
Chloroform	ND	ug/kg	4.1	1		03/05/24 15:13	67-66-3	
Chloromethane	ND	ug/kg	4.1	1		03/05/24 15:13	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.1	1		03/05/24 15:13	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.1	1		03/05/24 15:13	106-43-4	
Dibromochloromethane	ND	ug/kg	4.1	1		03/05/24 15:13	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.1	1		03/05/24 15:13	106-93-4	
Dibromomethane	ND	ug/kg	4.1	1		03/05/24 15:13	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.1	1		03/05/24 15:13	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.1	1		03/05/24 15:13	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.1	1		03/05/24 15:13	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	81.8	1		03/05/24 15:13	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	4.1	1		03/05/24 15:13	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.1	1		03/05/24 15:13	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.1	1		03/05/24 15:13	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.1	1		03/05/24 15:13	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.1	1		03/05/24 15:13	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.1	1		03/05/24 15:13	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.1	1		03/05/24 15:13	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.1	1		03/05/24 15:13	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.1	1		03/05/24 15:13	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.1	1		03/05/24 15:13	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.1	1		03/05/24 15:13	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.1	1		03/05/24 15:13	10061-02-6	
Ethylbenzene	ND	ug/kg	4.1	1		03/05/24 15:13	100-41-4	
Ethyl methacrylate	ND	ug/kg	81.8	1		03/05/24 15:13	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	4.1	1		03/05/24 15:13	87-68-3	
n-Hexane	ND	ug/kg	4.1	1		03/05/24 15:13	110-54-3	
2-Hexanone	ND	ug/kg	81.8	1		03/05/24 15:13	591-78-6	
Iodomethane	ND	ug/kg	81.8	1		03/05/24 15:13	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	4.1	1		03/05/24 15:13	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.1	1		03/05/24 15:13	99-87-6	
Methylene Chloride	ND	ug/kg	16.4	1		03/05/24 15:13	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	20.5	1		03/05/24 15:13	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.1	1		03/05/24 15:13	1634-04-4	
n-Propylbenzene	ND	ug/kg	4.1	1		03/05/24 15:13	103-65-1	
Styrene	ND	ug/kg	4.1	1		03/05/24 15:13	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.1	1		03/05/24 15:13	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.1	1		03/05/24 15:13	79-34-5	
Tetrachloroethene	ND	ug/kg	4.1	1		03/05/24 15:13	127-18-4	
Toluene	ND	ug/kg	4.1	1		03/05/24 15:13	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.1	1		03/05/24 15:13	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.1	1		03/05/24 15:13	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.1	1		03/05/24 15:13	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.1	1		03/05/24 15:13	79-00-5	
Trichloroethene	ND	ug/kg	4.1	1		03/05/24 15:13	79-01-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50366942

Sample: B-13 (2-4) **Lab ID: 50366942009** Collected: 02/27/24 14:25 Received: 02/28/24 14:30 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							
	Pace Analytical Services - Indianapolis							
Trichlorofluoromethane	ND	ug/kg	4.1	1		03/05/24 15:13	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.1	1		03/05/24 15:13	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.1	1		03/05/24 15:13	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.1	1		03/05/24 15:13	108-67-8	
Vinyl acetate	ND	ug/kg	81.8	1		03/05/24 15:13	108-05-4	
Vinyl chloride	ND	ug/kg	4.1	1		03/05/24 15:13	75-01-4	
Xylene (Total)	ND	ug/kg	8.2	1		03/05/24 15:13	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	100	%.	75-135	1		03/05/24 15:13	1868-53-7	
Toluene-d8 (S)	102	%.	65-148	1		03/05/24 15:13	2037-26-5	
4-Bromofluorobenzene (S)	100	%.	63-132	1		03/05/24 15:13	460-00-4	
Percent Moisture	Analytical Method: SM 2540G							
	Pace Analytical Services - Indianapolis							
Percent Moisture	**14.9**	%	0.10	1		03/11/24 13:59		N2

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50366942

Sample: B-13 (8-10) **Lab ID: 50366942010** Collected: 02/27/24 14:30 Received: 02/28/24 14:30 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 Pace Analytical Services - Indianapolis							
Lead	**7.7**	mg/kg	1.1	1	03/10/24 23:20	03/12/24 00:52	7439-92-1	
8270 PAH Soil by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546 Pace Analytical Services - Indianapolis							
Acenaphthene	ND	ug/kg	6.2	1	03/11/24 23:58	03/12/24 21:54	83-32-9	
Acenaphthylene	ND	ug/kg	6.2	1	03/11/24 23:58	03/12/24 21:54	208-96-8	
Anthracene	ND	ug/kg	6.2	1	03/11/24 23:58	03/12/24 21:54	120-12-7	
Benzo(a)anthracene	ND	ug/kg	6.2	1	03/11/24 23:58	03/12/24 21:54	56-55-3	
Benzo(a)pyrene	ND	ug/kg	6.2	1	03/11/24 23:58	03/12/24 21:54	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	6.2	1	03/11/24 23:58	03/12/24 21:54	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	6.2	1	03/11/24 23:58	03/12/24 21:54	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	6.2	1	03/11/24 23:58	03/12/24 21:54	207-08-9	
Chrysene	ND	ug/kg	6.2	1	03/11/24 23:58	03/12/24 21:54	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	6.2	1	03/11/24 23:58	03/12/24 21:54	53-70-3	
Fluoranthene	ND	ug/kg	6.2	1	03/11/24 23:58	03/12/24 21:54	206-44-0	
Fluorene	ND	ug/kg	6.2	1	03/11/24 23:58	03/12/24 21:54	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	6.2	1	03/11/24 23:58	03/12/24 21:54	193-39-5	
1-Methylnaphthalene	ND	ug/kg	6.2	1	03/11/24 23:58	03/12/24 21:54	90-12-0	
2-Methylnaphthalene	ND	ug/kg	6.2	1	03/11/24 23:58	03/12/24 21:54	91-57-6	
Naphthalene	ND	ug/kg	6.2	1	03/11/24 23:58	03/12/24 21:54	91-20-3	
Phenanthrene	ND	ug/kg	6.2	1	03/11/24 23:58	03/12/24 21:54	85-01-8	
Pyrene	ND	ug/kg	6.2	1	03/11/24 23:58	03/12/24 21:54	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	57	%.	23-115	1	03/11/24 23:58	03/12/24 21:54	321-60-8	
p-Terphenyl-d14 (S)	66	%.	19-136	1	03/11/24 23:58	03/12/24 21:54	1718-51-0	
8260 MSV 5035A VOA	Analytical Method: EPA 8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/kg	97.4	1		03/05/24 15:54	67-64-1	
Acrolein	ND	ug/kg	97.4	1		03/05/24 15:54	107-02-8	
Acrylonitrile	ND	ug/kg	97.4	1		03/05/24 15:54	107-13-1	
Benzene	ND	ug/kg	4.9	1		03/05/24 15:54	71-43-2	
Bromobenzene	ND	ug/kg	4.9	1		03/05/24 15:54	108-86-1	
Bromochloromethane	ND	ug/kg	4.9	1		03/05/24 15:54	74-97-5	
Bromodichloromethane	ND	ug/kg	4.9	1		03/05/24 15:54	75-27-4	
Bromoform	ND	ug/kg	4.9	1		03/05/24 15:54	75-25-2	
Bromomethane	ND	ug/kg	4.9	1		03/05/24 15:54	74-83-9	
2-Butanone (MEK)	ND	ug/kg	24.3	1		03/05/24 15:54	78-93-3	
n-Butylbenzene	ND	ug/kg	4.9	1		03/05/24 15:54	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.9	1		03/05/24 15:54	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.9	1		03/05/24 15:54	98-06-6	
Carbon disulfide	ND	ug/kg	9.7	1		03/05/24 15:54	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.9	1		03/05/24 15:54	56-23-5	
Chlorobenzene	ND	ug/kg	4.9	1		03/05/24 15:54	108-90-7	
Chloroethane	ND	ug/kg	4.9	1		03/05/24 15:54	75-00-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50366942

Sample: B-13 (8-10) **Lab ID: 50366942010** Collected: 02/27/24 14:30 Received: 02/28/24 14:30 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 Pace Analytical Services - Indianapolis							
Chloroform	ND	ug/kg	4.9	1		03/05/24 15:54	67-66-3	
Chloromethane	ND	ug/kg	4.9	1		03/05/24 15:54	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.9	1		03/05/24 15:54	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.9	1		03/05/24 15:54	106-43-4	
Dibromochloromethane	ND	ug/kg	4.9	1		03/05/24 15:54	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.9	1		03/05/24 15:54	106-93-4	
Dibromomethane	ND	ug/kg	4.9	1		03/05/24 15:54	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.9	1		03/05/24 15:54	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.9	1		03/05/24 15:54	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.9	1		03/05/24 15:54	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	97.4	1		03/05/24 15:54	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	4.9	1		03/05/24 15:54	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.9	1		03/05/24 15:54	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.9	1		03/05/24 15:54	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.9	1		03/05/24 15:54	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.9	1		03/05/24 15:54	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.9	1		03/05/24 15:54	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.9	1		03/05/24 15:54	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.9	1		03/05/24 15:54	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.9	1		03/05/24 15:54	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.9	1		03/05/24 15:54	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.9	1		03/05/24 15:54	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.9	1		03/05/24 15:54	10061-02-6	
Ethylbenzene	ND	ug/kg	4.9	1		03/05/24 15:54	100-41-4	
Ethyl methacrylate	ND	ug/kg	97.4	1		03/05/24 15:54	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	4.9	1		03/05/24 15:54	87-68-3	
n-Hexane	ND	ug/kg	4.9	1		03/05/24 15:54	110-54-3	
2-Hexanone	ND	ug/kg	97.4	1		03/05/24 15:54	591-78-6	
Iodomethane	ND	ug/kg	97.4	1		03/05/24 15:54	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	4.9	1		03/05/24 15:54	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.9	1		03/05/24 15:54	99-87-6	
Methylene Chloride	ND	ug/kg	19.5	1		03/05/24 15:54	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	24.3	1		03/05/24 15:54	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.9	1		03/05/24 15:54	1634-04-4	
n-Propylbenzene	ND	ug/kg	4.9	1		03/05/24 15:54	103-65-1	
Styrene	ND	ug/kg	4.9	1		03/05/24 15:54	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.9	1		03/05/24 15:54	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.9	1		03/05/24 15:54	79-34-5	
Tetrachloroethene	ND	ug/kg	4.9	1		03/05/24 15:54	127-18-4	
Toluene	ND	ug/kg	4.9	1		03/05/24 15:54	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.9	1		03/05/24 15:54	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.9	1		03/05/24 15:54	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.9	1		03/05/24 15:54	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.9	1		03/05/24 15:54	79-00-5	
Trichloroethene	ND	ug/kg	4.9	1		03/05/24 15:54	79-01-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50366942

Sample: B-13 (8-10) **Lab ID: 50366942010** Collected: 02/27/24 14:30 Received: 02/28/24 14:30 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							
	Pace Analytical Services - Indianapolis							
Trichlorofluoromethane	ND	ug/kg	4.9	1		03/05/24 15:54	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.9	1		03/05/24 15:54	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.9	1		03/05/24 15:54	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.9	1		03/05/24 15:54	108-67-8	
Vinyl acetate	ND	ug/kg	97.4	1		03/05/24 15:54	108-05-4	
Vinyl chloride	ND	ug/kg	4.9	1		03/05/24 15:54	75-01-4	
Xylene (Total)	ND	ug/kg	9.7	1		03/05/24 15:54	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101	%.	75-135	1		03/05/24 15:54	1868-53-7	
Toluene-d8 (S)	103	%.	65-148	1		03/05/24 15:54	2037-26-5	
4-Bromofluorobenzene (S)	97	%.	63-132	1		03/05/24 15:54	460-00-4	
Percent Moisture	Analytical Method: SM 2540G							
	Pace Analytical Services - Indianapolis							
Percent Moisture	**20.5**	%	0.10	1		03/11/24 13:59		N2

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50366942

Sample: B-13 (14-16) **Lab ID: 50366942011** Collected: 02/27/24 14:35 Received: 02/28/24 14:30 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 Pace Analytical Services - Indianapolis							
Lead	**2.6**	mg/kg	1.0	1	03/10/24 23:20	03/12/24 00:53	7439-92-1	
8270 PAH Soil by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546 Pace Analytical Services - Indianapolis							
Acenaphthene	ND	ug/kg	5.6	1	03/11/24 23:58	03/12/24 22:07	83-32-9	
Acenaphthylene	ND	ug/kg	5.6	1	03/11/24 23:58	03/12/24 22:07	208-96-8	
Anthracene	ND	ug/kg	5.6	1	03/11/24 23:58	03/12/24 22:07	120-12-7	
Benzo(a)anthracene	ND	ug/kg	5.6	1	03/11/24 23:58	03/12/24 22:07	56-55-3	
Benzo(a)pyrene	ND	ug/kg	5.6	1	03/11/24 23:58	03/12/24 22:07	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	5.6	1	03/11/24 23:58	03/12/24 22:07	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	5.6	1	03/11/24 23:58	03/12/24 22:07	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	5.6	1	03/11/24 23:58	03/12/24 22:07	207-08-9	
Chrysene	ND	ug/kg	5.6	1	03/11/24 23:58	03/12/24 22:07	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	5.6	1	03/11/24 23:58	03/12/24 22:07	53-70-3	
Fluoranthene	ND	ug/kg	5.6	1	03/11/24 23:58	03/12/24 22:07	206-44-0	
Fluorene	ND	ug/kg	5.6	1	03/11/24 23:58	03/12/24 22:07	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	5.6	1	03/11/24 23:58	03/12/24 22:07	193-39-5	
1-Methylnaphthalene	ND	ug/kg	5.6	1	03/11/24 23:58	03/12/24 22:07	90-12-0	
2-Methylnaphthalene	ND	ug/kg	5.6	1	03/11/24 23:58	03/12/24 22:07	91-57-6	
Naphthalene	ND	ug/kg	5.6	1	03/11/24 23:58	03/12/24 22:07	91-20-3	
Phenanthrene	ND	ug/kg	5.6	1	03/11/24 23:58	03/12/24 22:07	85-01-8	
Pyrene	ND	ug/kg	5.6	1	03/11/24 23:58	03/12/24 22:07	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	54	%.	23-115	1	03/11/24 23:58	03/12/24 22:07	321-60-8	
p-Terphenyl-d14 (S)	64	%.	19-136	1	03/11/24 23:58	03/12/24 22:07	1718-51-0	
8260 MSV 5035A VOA	Analytical Method: EPA 8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/kg	88.0	1		03/05/24 16:24	67-64-1	
Acrolein	ND	ug/kg	88.0	1		03/05/24 16:24	107-02-8	
Acrylonitrile	ND	ug/kg	88.0	1		03/05/24 16:24	107-13-1	
Benzene	ND	ug/kg	4.4	1		03/05/24 16:24	71-43-2	
Bromobenzene	ND	ug/kg	4.4	1		03/05/24 16:24	108-86-1	
Bromochloromethane	ND	ug/kg	4.4	1		03/05/24 16:24	74-97-5	
Bromodichloromethane	ND	ug/kg	4.4	1		03/05/24 16:24	75-27-4	
Bromoform	ND	ug/kg	4.4	1		03/05/24 16:24	75-25-2	
Bromomethane	ND	ug/kg	4.4	1		03/05/24 16:24	74-83-9	
2-Butanone (MEK)	ND	ug/kg	22.0	1		03/05/24 16:24	78-93-3	
n-Butylbenzene	ND	ug/kg	4.4	1		03/05/24 16:24	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.4	1		03/05/24 16:24	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.4	1		03/05/24 16:24	98-06-6	
Carbon disulfide	ND	ug/kg	8.8	1		03/05/24 16:24	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.4	1		03/05/24 16:24	56-23-5	
Chlorobenzene	ND	ug/kg	4.4	1		03/05/24 16:24	108-90-7	
Chloroethane	ND	ug/kg	4.4	1		03/05/24 16:24	75-00-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50366942

Sample: B-13 (14-16) **Lab ID: 50366942011** Collected: 02/27/24 14:35 Received: 02/28/24 14:30 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 Pace Analytical Services - Indianapolis							
Chloroform	ND	ug/kg	4.4	1		03/05/24 16:24	67-66-3	
Chloromethane	ND	ug/kg	4.4	1		03/05/24 16:24	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.4	1		03/05/24 16:24	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.4	1		03/05/24 16:24	106-43-4	
Dibromochloromethane	ND	ug/kg	4.4	1		03/05/24 16:24	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.4	1		03/05/24 16:24	106-93-4	
Dibromomethane	ND	ug/kg	4.4	1		03/05/24 16:24	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.4	1		03/05/24 16:24	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.4	1		03/05/24 16:24	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.4	1		03/05/24 16:24	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	88.0	1		03/05/24 16:24	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	4.4	1		03/05/24 16:24	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.4	1		03/05/24 16:24	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.4	1		03/05/24 16:24	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.4	1		03/05/24 16:24	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.4	1		03/05/24 16:24	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.4	1		03/05/24 16:24	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.4	1		03/05/24 16:24	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.4	1		03/05/24 16:24	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.4	1		03/05/24 16:24	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.4	1		03/05/24 16:24	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.4	1		03/05/24 16:24	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.4	1		03/05/24 16:24	10061-02-6	
Ethylbenzene	ND	ug/kg	4.4	1		03/05/24 16:24	100-41-4	
Ethyl methacrylate	ND	ug/kg	88.0	1		03/05/24 16:24	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	4.4	1		03/05/24 16:24	87-68-3	
n-Hexane	ND	ug/kg	4.4	1		03/05/24 16:24	110-54-3	
2-Hexanone	ND	ug/kg	88.0	1		03/05/24 16:24	591-78-6	
Iodomethane	ND	ug/kg	88.0	1		03/05/24 16:24	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	4.4	1		03/05/24 16:24	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.4	1		03/05/24 16:24	99-87-6	
Methylene Chloride	ND	ug/kg	17.6	1		03/05/24 16:24	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	22.0	1		03/05/24 16:24	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.4	1		03/05/24 16:24	1634-04-4	
n-Propylbenzene	ND	ug/kg	4.4	1		03/05/24 16:24	103-65-1	
Styrene	ND	ug/kg	4.4	1		03/05/24 16:24	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.4	1		03/05/24 16:24	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.4	1		03/05/24 16:24	79-34-5	
Tetrachloroethene	ND	ug/kg	4.4	1		03/05/24 16:24	127-18-4	
Toluene	ND	ug/kg	4.4	1		03/05/24 16:24	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.4	1		03/05/24 16:24	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.4	1		03/05/24 16:24	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.4	1		03/05/24 16:24	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.4	1		03/05/24 16:24	79-00-5	
Trichloroethene	ND	ug/kg	4.4	1		03/05/24 16:24	79-01-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50366942

Sample: B-13 (14-16) **Lab ID: 50366942011** Collected: 02/27/24 14:35 Received: 02/28/24 14:30 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							
	Pace Analytical Services - Indianapolis							
Trichlorofluoromethane	ND	ug/kg	4.4	1		03/05/24 16:24	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.4	1		03/05/24 16:24	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.4	1		03/05/24 16:24	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.4	1		03/05/24 16:24	108-67-8	
Vinyl acetate	ND	ug/kg	88.0	1		03/05/24 16:24	108-05-4	
Vinyl chloride	ND	ug/kg	4.4	1		03/05/24 16:24	75-01-4	
Xylene (Total)	ND	ug/kg	8.8	1		03/05/24 16:24	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	100	%.	75-135	1		03/05/24 16:24	1868-53-7	
Toluene-d8 (S)	106	%.	65-148	1		03/05/24 16:24	2037-26-5	
4-Bromofluorobenzene (S)	93	%.	63-132	1		03/05/24 16:24	460-00-4	
Percent Moisture	Analytical Method: SM 2540G							
	Pace Analytical Services - Indianapolis							
Percent Moisture	**13.5**	%	0.10	1		03/11/24 13:59		N2

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50366942

Sample: B-14 (2-4) **Lab ID: 50366942012** Collected: 02/27/24 15:25 Received: 02/28/24 14:30 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 Pace Analytical Services - Indianapolis							
Lead	**8.7**	mg/kg	1.1	1	03/10/24 23:20	03/12/24 01:05	7439-92-1	
8270 PAH Soil by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546 Pace Analytical Services - Indianapolis							
Acenaphthene	ND	ug/kg	5.4	1	03/11/24 23:58	03/12/24 22:21	83-32-9	
Acenaphthylene	ND	ug/kg	5.4	1	03/11/24 23:58	03/12/24 22:21	208-96-8	
Anthracene	ND	ug/kg	5.4	1	03/11/24 23:58	03/12/24 22:21	120-12-7	
Benzo(a)anthracene	ND	ug/kg	5.4	1	03/11/24 23:58	03/12/24 22:21	56-55-3	
Benzo(a)pyrene	ND	ug/kg	5.4	1	03/11/24 23:58	03/12/24 22:21	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	5.4	1	03/11/24 23:58	03/12/24 22:21	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	5.4	1	03/11/24 23:58	03/12/24 22:21	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	5.4	1	03/11/24 23:58	03/12/24 22:21	207-08-9	
Chrysene	ND	ug/kg	5.4	1	03/11/24 23:58	03/12/24 22:21	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	5.4	1	03/11/24 23:58	03/12/24 22:21	53-70-3	
Fluoranthene	ND	ug/kg	5.4	1	03/11/24 23:58	03/12/24 22:21	206-44-0	
Fluorene	ND	ug/kg	5.4	1	03/11/24 23:58	03/12/24 22:21	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	5.4	1	03/11/24 23:58	03/12/24 22:21	193-39-5	
1-Methylnaphthalene	ND	ug/kg	5.4	1	03/11/24 23:58	03/12/24 22:21	90-12-0	
2-Methylnaphthalene	ND	ug/kg	5.4	1	03/11/24 23:58	03/12/24 22:21	91-57-6	
Naphthalene	ND	ug/kg	5.4	1	03/11/24 23:58	03/12/24 22:21	91-20-3	
Phenanthrene	ND	ug/kg	5.4	1	03/11/24 23:58	03/12/24 22:21	85-01-8	
Pyrene	ND	ug/kg	5.4	1	03/11/24 23:58	03/12/24 22:21	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	57	%.	23-115	1	03/11/24 23:58	03/12/24 22:21	321-60-8	
p-Terphenyl-d14 (S)	69	%.	19-136	1	03/11/24 23:58	03/12/24 22:21	1718-51-0	
8260 MSV 5035A VOA	Analytical Method: EPA 8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/kg	108	1		03/05/24 16:55	67-64-1	
Acrolein	ND	ug/kg	108	1		03/05/24 16:55	107-02-8	
Acrylonitrile	ND	ug/kg	108	1		03/05/24 16:55	107-13-1	
Benzene	ND	ug/kg	5.4	1		03/05/24 16:55	71-43-2	
Bromobenzene	ND	ug/kg	5.4	1		03/05/24 16:55	108-86-1	
Bromochloromethane	ND	ug/kg	5.4	1		03/05/24 16:55	74-97-5	
Bromodichloromethane	ND	ug/kg	5.4	1		03/05/24 16:55	75-27-4	
Bromoform	ND	ug/kg	5.4	1		03/05/24 16:55	75-25-2	
Bromomethane	ND	ug/kg	5.4	1		03/05/24 16:55	74-83-9	
2-Butanone (MEK)	ND	ug/kg	27.0	1		03/05/24 16:55	78-93-3	
n-Butylbenzene	ND	ug/kg	5.4	1		03/05/24 16:55	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.4	1		03/05/24 16:55	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.4	1		03/05/24 16:55	98-06-6	
Carbon disulfide	ND	ug/kg	10.8	1		03/05/24 16:55	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.4	1		03/05/24 16:55	56-23-5	
Chlorobenzene	ND	ug/kg	5.4	1		03/05/24 16:55	108-90-7	
Chloroethane	ND	ug/kg	5.4	1		03/05/24 16:55	75-00-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50366942

Sample: B-14 (2-4) **Lab ID: 50366942012** Collected: 02/27/24 15:25 Received: 02/28/24 14:30 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 Pace Analytical Services - Indianapolis							
Chloroform	ND	ug/kg	5.4	1		03/05/24 16:55	67-66-3	
Chloromethane	ND	ug/kg	5.4	1		03/05/24 16:55	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.4	1		03/05/24 16:55	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.4	1		03/05/24 16:55	106-43-4	
Dibromochloromethane	ND	ug/kg	5.4	1		03/05/24 16:55	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.4	1		03/05/24 16:55	106-93-4	
Dibromomethane	ND	ug/kg	5.4	1		03/05/24 16:55	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.4	1		03/05/24 16:55	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.4	1		03/05/24 16:55	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.4	1		03/05/24 16:55	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	108	1		03/05/24 16:55	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	5.4	1		03/05/24 16:55	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.4	1		03/05/24 16:55	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.4	1		03/05/24 16:55	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.4	1		03/05/24 16:55	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.4	1		03/05/24 16:55	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.4	1		03/05/24 16:55	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.4	1		03/05/24 16:55	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.4	1		03/05/24 16:55	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.4	1		03/05/24 16:55	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.4	1		03/05/24 16:55	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.4	1		03/05/24 16:55	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.4	1		03/05/24 16:55	10061-02-6	
Ethylbenzene	ND	ug/kg	5.4	1		03/05/24 16:55	100-41-4	
Ethyl methacrylate	ND	ug/kg	108	1		03/05/24 16:55	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	5.4	1		03/05/24 16:55	87-68-3	
n-Hexane	ND	ug/kg	5.4	1		03/05/24 16:55	110-54-3	
2-Hexanone	ND	ug/kg	108	1		03/05/24 16:55	591-78-6	
Iodomethane	ND	ug/kg	108	1		03/05/24 16:55	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	5.4	1		03/05/24 16:55	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.4	1		03/05/24 16:55	99-87-6	
Methylene Chloride	ND	ug/kg	21.6	1		03/05/24 16:55	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	27.0	1		03/05/24 16:55	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.4	1		03/05/24 16:55	1634-04-4	
n-Propylbenzene	ND	ug/kg	5.4	1		03/05/24 16:55	103-65-1	
Styrene	ND	ug/kg	5.4	1		03/05/24 16:55	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.4	1		03/05/24 16:55	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.4	1		03/05/24 16:55	79-34-5	
Tetrachloroethene	ND	ug/kg	5.4	1		03/05/24 16:55	127-18-4	
Toluene	ND	ug/kg	5.4	1		03/05/24 16:55	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.4	1		03/05/24 16:55	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.4	1		03/05/24 16:55	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.4	1		03/05/24 16:55	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.4	1		03/05/24 16:55	79-00-5	
Trichloroethene	ND	ug/kg	5.4	1		03/05/24 16:55	79-01-6	

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50366942

Sample: B-14 (2-4) **Lab ID: 50366942012** Collected: 02/27/24 15:25 Received: 02/28/24 14:30 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							
	Pace Analytical Services - Indianapolis							
Trichlorofluoromethane	ND	ug/kg	5.4	1		03/05/24 16:55	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.4	1		03/05/24 16:55	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.4	1		03/05/24 16:55	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.4	1		03/05/24 16:55	108-67-8	
Vinyl acetate	ND	ug/kg	108	1		03/05/24 16:55	108-05-4	
Vinyl chloride	ND	ug/kg	5.4	1		03/05/24 16:55	75-01-4	
Xylene (Total)	ND	ug/kg	10.8	1		03/05/24 16:55	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	100	%.	75-135	1		03/05/24 16:55	1868-53-7	
Toluene-d8 (S)	102	%.	65-148	1		03/05/24 16:55	2037-26-5	
4-Bromofluorobenzene (S)	99	%.	63-132	1		03/05/24 16:55	460-00-4	
Percent Moisture	Analytical Method: SM 2540G							
	Pace Analytical Services - Indianapolis							
Percent Moisture	**12.7**	%	0.10	1		03/11/24 13:59		N2

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50366942

Sample: B-14 (8-10) **Lab ID: 50366942013** Collected: 02/27/24 15:30 Received: 02/28/24 14:30 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 Pace Analytical Services - Indianapolis							
Lead	**7.2**	mg/kg	1.2	1	03/10/24 23:20	03/12/24 00:55	7439-92-1	
8270 PAH Soil by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546 Pace Analytical Services - Indianapolis							
Acenaphthene	ND	ug/kg	6.0	1	03/11/24 23:58	03/12/24 23:01	83-32-9	
Acenaphthylene	ND	ug/kg	6.0	1	03/11/24 23:58	03/12/24 23:01	208-96-8	
Anthracene	ND	ug/kg	6.0	1	03/11/24 23:58	03/12/24 23:01	120-12-7	
Benzo(a)anthracene	ND	ug/kg	6.0	1	03/11/24 23:58	03/12/24 23:01	56-55-3	
Benzo(a)pyrene	ND	ug/kg	6.0	1	03/11/24 23:58	03/12/24 23:01	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	6.0	1	03/11/24 23:58	03/12/24 23:01	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	6.0	1	03/11/24 23:58	03/12/24 23:01	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	6.0	1	03/11/24 23:58	03/12/24 23:01	207-08-9	
Chrysene	ND	ug/kg	6.0	1	03/11/24 23:58	03/12/24 23:01	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	6.0	1	03/11/24 23:58	03/12/24 23:01	53-70-3	
Fluoranthene	ND	ug/kg	6.0	1	03/11/24 23:58	03/12/24 23:01	206-44-0	
Fluorene	ND	ug/kg	6.0	1	03/11/24 23:58	03/12/24 23:01	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	6.0	1	03/11/24 23:58	03/12/24 23:01	193-39-5	
1-Methylnaphthalene	ND	ug/kg	6.0	1	03/11/24 23:58	03/12/24 23:01	90-12-0	
2-Methylnaphthalene	ND	ug/kg	6.0	1	03/11/24 23:58	03/12/24 23:01	91-57-6	
Naphthalene	ND	ug/kg	6.0	1	03/11/24 23:58	03/12/24 23:01	91-20-3	
Phenanthrene	ND	ug/kg	6.0	1	03/11/24 23:58	03/12/24 23:01	85-01-8	
Pyrene	ND	ug/kg	6.0	1	03/11/24 23:58	03/12/24 23:01	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	53	%.	23-115	1	03/11/24 23:58	03/12/24 23:01	321-60-8	
p-Terphenyl-d14 (S)	54	%.	19-136	1	03/11/24 23:58	03/12/24 23:01	1718-51-0	
8260 MSV 5035A VOA	Analytical Method: EPA 8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/kg	108	1		03/04/24 20:45	67-64-1	
Acrolein	ND	ug/kg	108	1		03/04/24 20:45	107-02-8	
Acrylonitrile	ND	ug/kg	108	1		03/04/24 20:45	107-13-1	
Benzene	ND	ug/kg	5.4	1		03/04/24 20:45	71-43-2	
Bromobenzene	ND	ug/kg	5.4	1		03/04/24 20:45	108-86-1	
Bromochloromethane	ND	ug/kg	5.4	1		03/04/24 20:45	74-97-5	
Bromodichloromethane	ND	ug/kg	5.4	1		03/04/24 20:45	75-27-4	
Bromoform	ND	ug/kg	5.4	1		03/04/24 20:45	75-25-2	
Bromomethane	ND	ug/kg	5.4	1		03/04/24 20:45	74-83-9	
2-Butanone (MEK)	ND	ug/kg	27.1	1		03/04/24 20:45	78-93-3	
n-Butylbenzene	ND	ug/kg	5.4	1		03/04/24 20:45	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.4	1		03/04/24 20:45	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.4	1		03/04/24 20:45	98-06-6	
Carbon disulfide	ND	ug/kg	10.8	1		03/04/24 20:45	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.4	1		03/04/24 20:45	56-23-5	
Chlorobenzene	ND	ug/kg	5.4	1		03/04/24 20:45	108-90-7	
Chloroethane	ND	ug/kg	5.4	1		03/04/24 20:45	75-00-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50366942

Sample: B-14 (8-10) **Lab ID: 50366942013** Collected: 02/27/24 15:30 Received: 02/28/24 14:30 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 Pace Analytical Services - Indianapolis							
Chloroform	ND	ug/kg	5.4	1		03/04/24 20:45	67-66-3	
Chloromethane	ND	ug/kg	5.4	1		03/04/24 20:45	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.4	1		03/04/24 20:45	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.4	1		03/04/24 20:45	106-43-4	
Dibromochloromethane	ND	ug/kg	5.4	1		03/04/24 20:45	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.4	1		03/04/24 20:45	106-93-4	
Dibromomethane	ND	ug/kg	5.4	1		03/04/24 20:45	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.4	1		03/04/24 20:45	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.4	1		03/04/24 20:45	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.4	1		03/04/24 20:45	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	108	1		03/04/24 20:45	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	5.4	1		03/04/24 20:45	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.4	1		03/04/24 20:45	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.4	1		03/04/24 20:45	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.4	1		03/04/24 20:45	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.4	1		03/04/24 20:45	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.4	1		03/04/24 20:45	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.4	1		03/04/24 20:45	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.4	1		03/04/24 20:45	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.4	1		03/04/24 20:45	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.4	1		03/04/24 20:45	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.4	1		03/04/24 20:45	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.4	1		03/04/24 20:45	10061-02-6	
Ethylbenzene	ND	ug/kg	5.4	1		03/04/24 20:45	100-41-4	
Ethyl methacrylate	ND	ug/kg	108	1		03/04/24 20:45	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	5.4	1		03/04/24 20:45	87-68-3	
n-Hexane	ND	ug/kg	5.4	1		03/04/24 20:45	110-54-3	
2-Hexanone	ND	ug/kg	108	1		03/04/24 20:45	591-78-6	
Iodomethane	ND	ug/kg	108	1		03/04/24 20:45	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	5.4	1		03/04/24 20:45	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.4	1		03/04/24 20:45	99-87-6	
Methylene Chloride	ND	ug/kg	21.7	1		03/04/24 20:45	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	27.1	1		03/04/24 20:45	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.4	1		03/04/24 20:45	1634-04-4	
n-Propylbenzene	ND	ug/kg	5.4	1		03/04/24 20:45	103-65-1	
Styrene	ND	ug/kg	5.4	1		03/04/24 20:45	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.4	1		03/04/24 20:45	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.4	1		03/04/24 20:45	79-34-5	
Tetrachloroethene	ND	ug/kg	5.4	1		03/04/24 20:45	127-18-4	
Toluene	ND	ug/kg	5.4	1		03/04/24 20:45	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.4	1		03/04/24 20:45	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.4	1		03/04/24 20:45	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.4	1		03/04/24 20:45	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.4	1		03/04/24 20:45	79-00-5	
Trichloroethene	ND	ug/kg	5.4	1		03/04/24 20:45	79-01-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50366942

Sample: B-14 (8-10) **Lab ID: 50366942013** Collected: 02/27/24 15:30 Received: 02/28/24 14:30 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							
	Pace Analytical Services - Indianapolis							
Trichlorofluoromethane	ND	ug/kg	5.4	1		03/04/24 20:45	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.4	1		03/04/24 20:45	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.4	1		03/04/24 20:45	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.4	1		03/04/24 20:45	108-67-8	
Vinyl acetate	ND	ug/kg	108	1		03/04/24 20:45	108-05-4	
Vinyl chloride	ND	ug/kg	5.4	1		03/04/24 20:45	75-01-4	
Xylene (Total)	ND	ug/kg	10.8	1		03/04/24 20:45	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	99	%.	75-135	1		03/04/24 20:45	1868-53-7	
Toluene-d8 (S)	103	%.	65-148	1		03/04/24 20:45	2037-26-5	
4-Bromofluorobenzene (S)	100	%.	63-132	1		03/04/24 20:45	460-00-4	
Percent Moisture	Analytical Method: SM 2540G							
	Pace Analytical Services - Indianapolis							
Percent Moisture	**20.2**	%	0.10	1		03/11/24 13:59		N2

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50366942

Sample: B-14 (14-16) **Lab ID: 50366942014** Collected: 02/27/24 15:35 Received: 02/28/24 14:30 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 Pace Analytical Services - Indianapolis							
Lead	**4.5**	mg/kg	1.0	1	03/10/24 23:20	03/12/24 01:06	7439-92-1	
8270 PAH Soil by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546 Pace Analytical Services - Indianapolis							
Acenaphthene	ND	ug/kg	5.4	1	03/12/24 09:30	03/13/24 00:08	83-32-9	
Acenaphthylene	ND	ug/kg	5.4	1	03/12/24 09:30	03/13/24 00:08	208-96-8	
Anthracene	ND	ug/kg	5.4	1	03/12/24 09:30	03/13/24 00:08	120-12-7	
Benzo(a)anthracene	ND	ug/kg	5.4	1	03/12/24 09:30	03/13/24 00:08	56-55-3	
Benzo(a)pyrene	ND	ug/kg	5.4	1	03/12/24 09:30	03/13/24 00:08	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	5.4	1	03/12/24 09:30	03/13/24 00:08	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	5.4	1	03/12/24 09:30	03/13/24 00:08	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	5.4	1	03/12/24 09:30	03/13/24 00:08	207-08-9	
Chrysene	ND	ug/kg	5.4	1	03/12/24 09:30	03/13/24 00:08	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	5.4	1	03/12/24 09:30	03/13/24 00:08	53-70-3	
Fluoranthene	ND	ug/kg	5.4	1	03/12/24 09:30	03/13/24 00:08	206-44-0	
Fluorene	ND	ug/kg	5.4	1	03/12/24 09:30	03/13/24 00:08	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	5.4	1	03/12/24 09:30	03/13/24 00:08	193-39-5	
1-Methylnaphthalene	ND	ug/kg	5.4	1	03/12/24 09:30	03/13/24 00:08	90-12-0	
2-Methylnaphthalene	ND	ug/kg	5.4	1	03/12/24 09:30	03/13/24 00:08	91-57-6	
Naphthalene	ND	ug/kg	5.4	1	03/12/24 09:30	03/13/24 00:08	91-20-3	
Phenanthrene	ND	ug/kg	5.4	1	03/12/24 09:30	03/13/24 00:08	85-01-8	
Pyrene	ND	ug/kg	5.4	1	03/12/24 09:30	03/13/24 00:08	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	52	%.	23-115	1	03/12/24 09:30	03/13/24 00:08	321-60-8	
p-Terphenyl-d14 (S)	72	%.	19-136	1	03/12/24 09:30	03/13/24 00:08	1718-51-0	
8260 MSV 5035A VOA	Analytical Method: EPA 8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/kg	74.7	1		03/05/24 17:25	67-64-1	
Acrolein	ND	ug/kg	74.7	1		03/05/24 17:25	107-02-8	
Acrylonitrile	ND	ug/kg	74.7	1		03/05/24 17:25	107-13-1	
Benzene	ND	ug/kg	3.7	1		03/05/24 17:25	71-43-2	
Bromobenzene	ND	ug/kg	3.7	1		03/05/24 17:25	108-86-1	
Bromochloromethane	ND	ug/kg	3.7	1		03/05/24 17:25	74-97-5	
Bromodichloromethane	ND	ug/kg	3.7	1		03/05/24 17:25	75-27-4	
Bromoform	ND	ug/kg	3.7	1		03/05/24 17:25	75-25-2	
Bromomethane	ND	ug/kg	3.7	1		03/05/24 17:25	74-83-9	
2-Butanone (MEK)	ND	ug/kg	18.7	1		03/05/24 17:25	78-93-3	
n-Butylbenzene	ND	ug/kg	3.7	1		03/05/24 17:25	104-51-8	
sec-Butylbenzene	ND	ug/kg	3.7	1		03/05/24 17:25	135-98-8	
tert-Butylbenzene	ND	ug/kg	3.7	1		03/05/24 17:25	98-06-6	
Carbon disulfide	ND	ug/kg	7.5	1		03/05/24 17:25	75-15-0	
Carbon tetrachloride	ND	ug/kg	3.7	1		03/05/24 17:25	56-23-5	
Chlorobenzene	ND	ug/kg	3.7	1		03/05/24 17:25	108-90-7	
Chloroethane	ND	ug/kg	3.7	1		03/05/24 17:25	75-00-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50366942

Sample: B-14 (14-16) **Lab ID: 50366942014** Collected: 02/27/24 15:35 Received: 02/28/24 14:30 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 Pace Analytical Services - Indianapolis							
Chloroform	ND	ug/kg	3.7	1		03/05/24 17:25	67-66-3	
Chloromethane	ND	ug/kg	3.7	1		03/05/24 17:25	74-87-3	
2-Chlorotoluene	ND	ug/kg	3.7	1		03/05/24 17:25	95-49-8	
4-Chlorotoluene	ND	ug/kg	3.7	1		03/05/24 17:25	106-43-4	
Dibromochloromethane	ND	ug/kg	3.7	1		03/05/24 17:25	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	3.7	1		03/05/24 17:25	106-93-4	
Dibromomethane	ND	ug/kg	3.7	1		03/05/24 17:25	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	3.7	1		03/05/24 17:25	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	3.7	1		03/05/24 17:25	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	3.7	1		03/05/24 17:25	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	74.7	1		03/05/24 17:25	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	3.7	1		03/05/24 17:25	75-71-8	
1,1-Dichloroethane	ND	ug/kg	3.7	1		03/05/24 17:25	75-34-3	
1,2-Dichloroethane	ND	ug/kg	3.7	1		03/05/24 17:25	107-06-2	
1,1-Dichloroethene	ND	ug/kg	3.7	1		03/05/24 17:25	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	3.7	1		03/05/24 17:25	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	3.7	1		03/05/24 17:25	156-60-5	
1,2-Dichloropropane	ND	ug/kg	3.7	1		03/05/24 17:25	78-87-5	
1,3-Dichloropropane	ND	ug/kg	3.7	1		03/05/24 17:25	142-28-9	
2,2-Dichloropropane	ND	ug/kg	3.7	1		03/05/24 17:25	594-20-7	
1,1-Dichloropropene	ND	ug/kg	3.7	1		03/05/24 17:25	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	3.7	1		03/05/24 17:25	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	3.7	1		03/05/24 17:25	10061-02-6	
Ethylbenzene	ND	ug/kg	3.7	1		03/05/24 17:25	100-41-4	
Ethyl methacrylate	ND	ug/kg	74.7	1		03/05/24 17:25	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	3.7	1		03/05/24 17:25	87-68-3	
n-Hexane	ND	ug/kg	3.7	1		03/05/24 17:25	110-54-3	
2-Hexanone	ND	ug/kg	74.7	1		03/05/24 17:25	591-78-6	
Iodomethane	ND	ug/kg	74.7	1		03/05/24 17:25	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	3.7	1		03/05/24 17:25	98-82-8	
p-Isopropyltoluene	ND	ug/kg	3.7	1		03/05/24 17:25	99-87-6	
Methylene Chloride	ND	ug/kg	14.9	1		03/05/24 17:25	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	18.7	1		03/05/24 17:25	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	3.7	1		03/05/24 17:25	1634-04-4	
n-Propylbenzene	ND	ug/kg	3.7	1		03/05/24 17:25	103-65-1	
Styrene	ND	ug/kg	3.7	1		03/05/24 17:25	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	3.7	1		03/05/24 17:25	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	3.7	1		03/05/24 17:25	79-34-5	
Tetrachloroethene	ND	ug/kg	3.7	1		03/05/24 17:25	127-18-4	
Toluene	ND	ug/kg	3.7	1		03/05/24 17:25	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	3.7	1		03/05/24 17:25	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	3.7	1		03/05/24 17:25	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	3.7	1		03/05/24 17:25	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	3.7	1		03/05/24 17:25	79-00-5	
Trichloroethene	ND	ug/kg	3.7	1		03/05/24 17:25	79-01-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50366942

Sample: B-14 (14-16) **Lab ID: 50366942014** Collected: 02/27/24 15:35 Received: 02/28/24 14:30 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							
	Pace Analytical Services - Indianapolis							
Trichlorofluoromethane	ND	ug/kg	3.7	1		03/05/24 17:25	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	3.7	1		03/05/24 17:25	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	3.7	1		03/05/24 17:25	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	3.7	1		03/05/24 17:25	108-67-8	
Vinyl acetate	ND	ug/kg	74.7	1		03/05/24 17:25	108-05-4	
Vinyl chloride	ND	ug/kg	3.7	1		03/05/24 17:25	75-01-4	
Xylene (Total)	ND	ug/kg	7.5	1		03/05/24 17:25	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	100	%.	75-135	1		03/05/24 17:25	1868-53-7	
Toluene-d8 (S)	105	%.	65-148	1		03/05/24 17:25	2037-26-5	
4-Bromofluorobenzene (S)	97	%.	63-132	1		03/05/24 17:25	460-00-4	
Percent Moisture	Analytical Method: SM 2540G							
	Pace Analytical Services - Indianapolis							
Percent Moisture	**9.4**	%	0.10	1		03/11/24 13:59		N2

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50366942

Sample: B-15 (12-14) **Lab ID: 50366942015** Collected: 02/27/24 16:35 Received: 02/28/24 14:30 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 Pace Analytical Services - Indianapolis							
Lead	**4.3**	mg/kg	1.0	1	03/10/24 23:20	03/12/24 01:08	7439-92-1	
8270 PAH Soil by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546 Pace Analytical Services - Indianapolis							
Acenaphthene	ND	ug/kg	5.7	1	03/12/24 09:30	03/13/24 00:48	83-32-9	
Acenaphthylene	ND	ug/kg	5.7	1	03/12/24 09:30	03/13/24 00:48	208-96-8	
Anthracene	ND	ug/kg	5.7	1	03/12/24 09:30	03/13/24 00:48	120-12-7	
Benzo(a)anthracene	ND	ug/kg	5.7	1	03/12/24 09:30	03/13/24 00:48	56-55-3	
Benzo(a)pyrene	ND	ug/kg	5.7	1	03/12/24 09:30	03/13/24 00:48	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	5.7	1	03/12/24 09:30	03/13/24 00:48	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	5.7	1	03/12/24 09:30	03/13/24 00:48	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	5.7	1	03/12/24 09:30	03/13/24 00:48	207-08-9	
Chrysene	ND	ug/kg	5.7	1	03/12/24 09:30	03/13/24 00:48	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	5.7	1	03/12/24 09:30	03/13/24 00:48	53-70-3	
Fluoranthene	ND	ug/kg	5.7	1	03/12/24 09:30	03/13/24 00:48	206-44-0	
Fluorene	ND	ug/kg	5.7	1	03/12/24 09:30	03/13/24 00:48	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	5.7	1	03/12/24 09:30	03/13/24 00:48	193-39-5	
1-Methylnaphthalene	ND	ug/kg	5.7	1	03/12/24 09:30	03/13/24 00:48	90-12-0	
2-Methylnaphthalene	ND	ug/kg	5.7	1	03/12/24 09:30	03/13/24 00:48	91-57-6	
Naphthalene	ND	ug/kg	5.7	1	03/12/24 09:30	03/13/24 00:48	91-20-3	
Phenanthrene	ND	ug/kg	5.7	1	03/12/24 09:30	03/13/24 00:48	85-01-8	
Pyrene	ND	ug/kg	5.7	1	03/12/24 09:30	03/13/24 00:48	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	51	%.	23-115	1	03/12/24 09:30	03/13/24 00:48	321-60-8	
p-Terphenyl-d14 (S)	73	%.	19-136	1	03/12/24 09:30	03/13/24 00:48	1718-51-0	
8260 MSV 5035A VOA	Analytical Method: EPA 8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/kg	89.5	1		03/05/24 18:56	67-64-1	
Acrolein	ND	ug/kg	89.5	1		03/05/24 18:56	107-02-8	
Acrylonitrile	ND	ug/kg	89.5	1		03/05/24 18:56	107-13-1	
Benzene	ND	ug/kg	4.5	1		03/05/24 18:56	71-43-2	
Bromobenzene	ND	ug/kg	4.5	1		03/05/24 18:56	108-86-1	
Bromochloromethane	ND	ug/kg	4.5	1		03/05/24 18:56	74-97-5	
Bromodichloromethane	ND	ug/kg	4.5	1		03/05/24 18:56	75-27-4	
Bromoform	ND	ug/kg	4.5	1		03/05/24 18:56	75-25-2	
Bromomethane	ND	ug/kg	4.5	1		03/05/24 18:56	74-83-9	
2-Butanone (MEK)	ND	ug/kg	22.4	1		03/05/24 18:56	78-93-3	
n-Butylbenzene	ND	ug/kg	4.5	1		03/05/24 18:56	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.5	1		03/05/24 18:56	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.5	1		03/05/24 18:56	98-06-6	
Carbon disulfide	ND	ug/kg	9.0	1		03/05/24 18:56	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.5	1		03/05/24 18:56	56-23-5	
Chlorobenzene	ND	ug/kg	4.5	1		03/05/24 18:56	108-90-7	
Chloroethane	ND	ug/kg	4.5	1		03/05/24 18:56	75-00-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50366942

Sample: B-15 (12-14) **Lab ID: 50366942015** Collected: 02/27/24 16:35 Received: 02/28/24 14:30 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 Pace Analytical Services - Indianapolis							
Chloroform	ND	ug/kg	4.5	1		03/05/24 18:56	67-66-3	
Chloromethane	ND	ug/kg	4.5	1		03/05/24 18:56	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.5	1		03/05/24 18:56	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.5	1		03/05/24 18:56	106-43-4	
Dibromochloromethane	ND	ug/kg	4.5	1		03/05/24 18:56	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.5	1		03/05/24 18:56	106-93-4	
Dibromomethane	ND	ug/kg	4.5	1		03/05/24 18:56	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.5	1		03/05/24 18:56	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.5	1		03/05/24 18:56	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.5	1		03/05/24 18:56	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	89.5	1		03/05/24 18:56	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	4.5	1		03/05/24 18:56	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.5	1		03/05/24 18:56	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.5	1		03/05/24 18:56	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.5	1		03/05/24 18:56	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.5	1		03/05/24 18:56	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.5	1		03/05/24 18:56	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.5	1		03/05/24 18:56	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.5	1		03/05/24 18:56	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.5	1		03/05/24 18:56	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.5	1		03/05/24 18:56	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.5	1		03/05/24 18:56	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.5	1		03/05/24 18:56	10061-02-6	
Ethylbenzene	ND	ug/kg	4.5	1		03/05/24 18:56	100-41-4	
Ethyl methacrylate	ND	ug/kg	89.5	1		03/05/24 18:56	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	4.5	1		03/05/24 18:56	87-68-3	
n-Hexane	ND	ug/kg	4.5	1		03/05/24 18:56	110-54-3	
2-Hexanone	ND	ug/kg	89.5	1		03/05/24 18:56	591-78-6	
Iodomethane	ND	ug/kg	89.5	1		03/05/24 18:56	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	4.5	1		03/05/24 18:56	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.5	1		03/05/24 18:56	99-87-6	
Methylene Chloride	ND	ug/kg	17.9	1		03/05/24 18:56	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	22.4	1		03/05/24 18:56	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.5	1		03/05/24 18:56	1634-04-4	
n-Propylbenzene	ND	ug/kg	4.5	1		03/05/24 18:56	103-65-1	
Styrene	ND	ug/kg	4.5	1		03/05/24 18:56	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.5	1		03/05/24 18:56	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.5	1		03/05/24 18:56	79-34-5	
Tetrachloroethene	ND	ug/kg	4.5	1		03/05/24 18:56	127-18-4	
Toluene	ND	ug/kg	4.5	1		03/05/24 18:56	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.5	1		03/05/24 18:56	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.5	1		03/05/24 18:56	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.5	1		03/05/24 18:56	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.5	1		03/05/24 18:56	79-00-5	
Trichloroethene	ND	ug/kg	4.5	1		03/05/24 18:56	79-01-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50366942

Sample: B-15 (12-14) **Lab ID: 50366942015** Collected: 02/27/24 16:35 Received: 02/28/24 14:30 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							
	Pace Analytical Services - Indianapolis							
Trichlorofluoromethane	ND	ug/kg	4.5	1		03/05/24 18:56	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.5	1		03/05/24 18:56	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.5	1		03/05/24 18:56	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.5	1		03/05/24 18:56	108-67-8	
Vinyl acetate	ND	ug/kg	89.5	1		03/05/24 18:56	108-05-4	
Vinyl chloride	ND	ug/kg	4.5	1		03/05/24 18:56	75-01-4	
Xylene (Total)	ND	ug/kg	9.0	1		03/05/24 18:56	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101	%.	75-135	1		03/05/24 18:56	1868-53-7	
Toluene-d8 (S)	104	%.	65-148	1		03/05/24 18:56	2037-26-5	
4-Bromofluorobenzene (S)	97	%.	63-132	1		03/05/24 18:56	460-00-4	
Percent Moisture	Analytical Method: SM 2540G							
	Pace Analytical Services - Indianapolis							
Percent Moisture	**14.0**	%	0.10	1		03/11/24 13:59		N2

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50366942

Sample: B-15 (14-16) **Lab ID: 50366942016** Collected: 02/27/24 16:40 Received: 02/28/24 14:30 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 Pace Analytical Services - Indianapolis							
Lead	**5.0**	mg/kg	1.0	1	03/10/24 23:20	03/12/24 01:09	7439-92-1	
8270 PAH Soil by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546 Pace Analytical Services - Indianapolis							
Acenaphthene	ND	ug/kg	5.4	1	03/12/24 09:30	03/13/24 01:01	83-32-9	
Acenaphthylene	ND	ug/kg	5.4	1	03/12/24 09:30	03/13/24 01:01	208-96-8	
Anthracene	ND	ug/kg	5.4	1	03/12/24 09:30	03/13/24 01:01	120-12-7	
Benzo(a)anthracene	ND	ug/kg	5.4	1	03/12/24 09:30	03/13/24 01:01	56-55-3	
Benzo(a)pyrene	ND	ug/kg	5.4	1	03/12/24 09:30	03/13/24 01:01	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	5.4	1	03/12/24 09:30	03/13/24 01:01	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	5.4	1	03/12/24 09:30	03/13/24 01:01	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	5.4	1	03/12/24 09:30	03/13/24 01:01	207-08-9	
Chrysene	ND	ug/kg	5.4	1	03/12/24 09:30	03/13/24 01:01	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	5.4	1	03/12/24 09:30	03/13/24 01:01	53-70-3	
Fluoranthene	ND	ug/kg	5.4	1	03/12/24 09:30	03/13/24 01:01	206-44-0	
Fluorene	ND	ug/kg	5.4	1	03/12/24 09:30	03/13/24 01:01	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	5.4	1	03/12/24 09:30	03/13/24 01:01	193-39-5	
1-Methylnaphthalene	ND	ug/kg	5.4	1	03/12/24 09:30	03/13/24 01:01	90-12-0	
2-Methylnaphthalene	ND	ug/kg	5.4	1	03/12/24 09:30	03/13/24 01:01	91-57-6	
Naphthalene	ND	ug/kg	5.4	1	03/12/24 09:30	03/13/24 01:01	91-20-3	
Phenanthrene	ND	ug/kg	5.4	1	03/12/24 09:30	03/13/24 01:01	85-01-8	
Pyrene	ND	ug/kg	5.4	1	03/12/24 09:30	03/13/24 01:01	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	51	%.	23-115	1	03/12/24 09:30	03/13/24 01:01	321-60-8	
p-Terphenyl-d14 (S)	67	%.	19-136	1	03/12/24 09:30	03/13/24 01:01	1718-51-0	
8260 MSV 5035A VOA	Analytical Method: EPA 8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/kg	78.6	1		03/05/24 19:27	67-64-1	
Acrolein	ND	ug/kg	78.6	1		03/05/24 19:27	107-02-8	
Acrylonitrile	ND	ug/kg	78.6	1		03/05/24 19:27	107-13-1	
Benzene	ND	ug/kg	3.9	1		03/05/24 19:27	71-43-2	
Bromobenzene	ND	ug/kg	3.9	1		03/05/24 19:27	108-86-1	
Bromochloromethane	ND	ug/kg	3.9	1		03/05/24 19:27	74-97-5	
Bromodichloromethane	ND	ug/kg	3.9	1		03/05/24 19:27	75-27-4	
Bromoform	ND	ug/kg	3.9	1		03/05/24 19:27	75-25-2	
Bromomethane	ND	ug/kg	3.9	1		03/05/24 19:27	74-83-9	
2-Butanone (MEK)	ND	ug/kg	19.7	1		03/05/24 19:27	78-93-3	
n-Butylbenzene	ND	ug/kg	3.9	1		03/05/24 19:27	104-51-8	
sec-Butylbenzene	ND	ug/kg	3.9	1		03/05/24 19:27	135-98-8	
tert-Butylbenzene	ND	ug/kg	3.9	1		03/05/24 19:27	98-06-6	
Carbon disulfide	ND	ug/kg	7.9	1		03/05/24 19:27	75-15-0	
Carbon tetrachloride	ND	ug/kg	3.9	1		03/05/24 19:27	56-23-5	
Chlorobenzene	ND	ug/kg	3.9	1		03/05/24 19:27	108-90-7	
Chloroethane	ND	ug/kg	3.9	1		03/05/24 19:27	75-00-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50366942

Sample: B-15 (14-16) **Lab ID: 50366942016** Collected: 02/27/24 16:40 Received: 02/28/24 14:30 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 Pace Analytical Services - Indianapolis							
Chloroform	ND	ug/kg	3.9	1		03/05/24 19:27	67-66-3	
Chloromethane	ND	ug/kg	3.9	1		03/05/24 19:27	74-87-3	
2-Chlorotoluene	ND	ug/kg	3.9	1		03/05/24 19:27	95-49-8	
4-Chlorotoluene	ND	ug/kg	3.9	1		03/05/24 19:27	106-43-4	
Dibromochloromethane	ND	ug/kg	3.9	1		03/05/24 19:27	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	3.9	1		03/05/24 19:27	106-93-4	
Dibromomethane	ND	ug/kg	3.9	1		03/05/24 19:27	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	3.9	1		03/05/24 19:27	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	3.9	1		03/05/24 19:27	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	3.9	1		03/05/24 19:27	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	78.6	1		03/05/24 19:27	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	3.9	1		03/05/24 19:27	75-71-8	
1,1-Dichloroethane	ND	ug/kg	3.9	1		03/05/24 19:27	75-34-3	
1,2-Dichloroethane	ND	ug/kg	3.9	1		03/05/24 19:27	107-06-2	
1,1-Dichloroethene	ND	ug/kg	3.9	1		03/05/24 19:27	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	3.9	1		03/05/24 19:27	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	3.9	1		03/05/24 19:27	156-60-5	
1,2-Dichloropropane	ND	ug/kg	3.9	1		03/05/24 19:27	78-87-5	
1,3-Dichloropropane	ND	ug/kg	3.9	1		03/05/24 19:27	142-28-9	
2,2-Dichloropropane	ND	ug/kg	3.9	1		03/05/24 19:27	594-20-7	
1,1-Dichloropropene	ND	ug/kg	3.9	1		03/05/24 19:27	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	3.9	1		03/05/24 19:27	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	3.9	1		03/05/24 19:27	10061-02-6	
Ethylbenzene	ND	ug/kg	3.9	1		03/05/24 19:27	100-41-4	
Ethyl methacrylate	ND	ug/kg	78.6	1		03/05/24 19:27	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	3.9	1		03/05/24 19:27	87-68-3	
n-Hexane	ND	ug/kg	3.9	1		03/05/24 19:27	110-54-3	
2-Hexanone	ND	ug/kg	78.6	1		03/05/24 19:27	591-78-6	
Iodomethane	ND	ug/kg	78.6	1		03/05/24 19:27	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	3.9	1		03/05/24 19:27	98-82-8	
p-Isopropyltoluene	ND	ug/kg	3.9	1		03/05/24 19:27	99-87-6	
Methylene Chloride	ND	ug/kg	15.7	1		03/05/24 19:27	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	19.7	1		03/05/24 19:27	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	3.9	1		03/05/24 19:27	1634-04-4	
n-Propylbenzene	ND	ug/kg	3.9	1		03/05/24 19:27	103-65-1	
Styrene	ND	ug/kg	3.9	1		03/05/24 19:27	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	3.9	1		03/05/24 19:27	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	3.9	1		03/05/24 19:27	79-34-5	
Tetrachloroethene	ND	ug/kg	3.9	1		03/05/24 19:27	127-18-4	
Toluene	ND	ug/kg	3.9	1		03/05/24 19:27	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	3.9	1		03/05/24 19:27	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	3.9	1		03/05/24 19:27	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	3.9	1		03/05/24 19:27	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	3.9	1		03/05/24 19:27	79-00-5	
Trichloroethene	ND	ug/kg	3.9	1		03/05/24 19:27	79-01-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50366942

Sample: B-15 (14-16) **Lab ID: 50366942016** Collected: 02/27/24 16:40 Received: 02/28/24 14:30 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							
	Pace Analytical Services - Indianapolis							
Trichlorofluoromethane	ND	ug/kg	3.9	1		03/05/24 19:27	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	3.9	1		03/05/24 19:27	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	3.9	1		03/05/24 19:27	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	3.9	1		03/05/24 19:27	108-67-8	
Vinyl acetate	ND	ug/kg	78.6	1		03/05/24 19:27	108-05-4	
Vinyl chloride	ND	ug/kg	3.9	1		03/05/24 19:27	75-01-4	
Xylene (Total)	ND	ug/kg	7.9	1		03/05/24 19:27	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	102	%.	75-135	1		03/05/24 19:27	1868-53-7	
Toluene-d8 (S)	108	%.	65-148	1		03/05/24 19:27	2037-26-5	
4-Bromofluorobenzene (S)	92	%.	63-132	1		03/05/24 19:27	460-00-4	
Percent Moisture	Analytical Method: SM 2540G							
	Pace Analytical Services - Indianapolis							
Percent Moisture	**9.6**	%	0.10	1		03/11/24 14:00		N2

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50366942

Sample: B-15 (18-20) **Lab ID: 50366942017** Collected: 02/27/24 16:45 Received: 02/28/24 14:30 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 Pace Analytical Services - Indianapolis							
Lead	**2.3**	mg/kg	1.1	1	03/10/24 23:20	03/12/24 01:11	7439-92-1	
8270 PAH Soil by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546 Pace Analytical Services - Indianapolis							
Acenaphthene	ND	ug/kg	5.5	1	03/12/24 09:30	03/13/24 01:14	83-32-9	
Acenaphthylene	ND	ug/kg	5.5	1	03/12/24 09:30	03/13/24 01:14	208-96-8	
Anthracene	ND	ug/kg	5.5	1	03/12/24 09:30	03/13/24 01:14	120-12-7	
Benzo(a)anthracene	ND	ug/kg	5.5	1	03/12/24 09:30	03/13/24 01:14	56-55-3	
Benzo(a)pyrene	ND	ug/kg	5.5	1	03/12/24 09:30	03/13/24 01:14	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	5.5	1	03/12/24 09:30	03/13/24 01:14	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	5.5	1	03/12/24 09:30	03/13/24 01:14	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	5.5	1	03/12/24 09:30	03/13/24 01:14	207-08-9	
Chrysene	ND	ug/kg	5.5	1	03/12/24 09:30	03/13/24 01:14	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	5.5	1	03/12/24 09:30	03/13/24 01:14	53-70-3	
Fluoranthene	ND	ug/kg	5.5	1	03/12/24 09:30	03/13/24 01:14	206-44-0	
Fluorene	ND	ug/kg	5.5	1	03/12/24 09:30	03/13/24 01:14	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	5.5	1	03/12/24 09:30	03/13/24 01:14	193-39-5	
1-Methylnaphthalene	ND	ug/kg	5.5	1	03/12/24 09:30	03/13/24 01:14	90-12-0	
2-Methylnaphthalene	ND	ug/kg	5.5	1	03/12/24 09:30	03/13/24 01:14	91-57-6	
Naphthalene	ND	ug/kg	5.5	1	03/12/24 09:30	03/13/24 01:14	91-20-3	
Phenanthrene	ND	ug/kg	5.5	1	03/12/24 09:30	03/13/24 01:14	85-01-8	
Pyrene	ND	ug/kg	5.5	1	03/12/24 09:30	03/13/24 01:14	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	54	%.	23-115	1	03/12/24 09:30	03/13/24 01:14	321-60-8	
p-Terphenyl-d14 (S)	60	%.	19-136	1	03/12/24 09:30	03/13/24 01:14	1718-51-0	
8260 MSV 5035A VOA	Analytical Method: EPA 8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/kg	90.3	1		03/05/24 19:57	67-64-1	
Acrolein	ND	ug/kg	90.3	1		03/05/24 19:57	107-02-8	
Acrylonitrile	ND	ug/kg	90.3	1		03/05/24 19:57	107-13-1	
Benzene	ND	ug/kg	4.5	1		03/05/24 19:57	71-43-2	
Bromobenzene	ND	ug/kg	4.5	1		03/05/24 19:57	108-86-1	
Bromochloromethane	ND	ug/kg	4.5	1		03/05/24 19:57	74-97-5	
Bromodichloromethane	ND	ug/kg	4.5	1		03/05/24 19:57	75-27-4	
Bromoform	ND	ug/kg	4.5	1		03/05/24 19:57	75-25-2	
Bromomethane	ND	ug/kg	4.5	1		03/05/24 19:57	74-83-9	
2-Butanone (MEK)	ND	ug/kg	22.6	1		03/05/24 19:57	78-93-3	
n-Butylbenzene	ND	ug/kg	4.5	1		03/05/24 19:57	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.5	1		03/05/24 19:57	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.5	1		03/05/24 19:57	98-06-6	
Carbon disulfide	ND	ug/kg	9.0	1		03/05/24 19:57	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.5	1		03/05/24 19:57	56-23-5	
Chlorobenzene	ND	ug/kg	4.5	1		03/05/24 19:57	108-90-7	
Chloroethane	ND	ug/kg	4.5	1		03/05/24 19:57	75-00-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50366942

Sample: B-15 (18-20) **Lab ID: 50366942017** Collected: 02/27/24 16:45 Received: 02/28/24 14:30 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 Pace Analytical Services - Indianapolis							
Chloroform	ND	ug/kg	4.5	1		03/05/24 19:57	67-66-3	
Chloromethane	ND	ug/kg	4.5	1		03/05/24 19:57	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.5	1		03/05/24 19:57	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.5	1		03/05/24 19:57	106-43-4	
Dibromochloromethane	ND	ug/kg	4.5	1		03/05/24 19:57	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.5	1		03/05/24 19:57	106-93-4	
Dibromomethane	ND	ug/kg	4.5	1		03/05/24 19:57	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.5	1		03/05/24 19:57	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.5	1		03/05/24 19:57	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.5	1		03/05/24 19:57	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	90.3	1		03/05/24 19:57	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	4.5	1		03/05/24 19:57	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.5	1		03/05/24 19:57	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.5	1		03/05/24 19:57	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.5	1		03/05/24 19:57	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.5	1		03/05/24 19:57	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.5	1		03/05/24 19:57	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.5	1		03/05/24 19:57	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.5	1		03/05/24 19:57	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.5	1		03/05/24 19:57	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.5	1		03/05/24 19:57	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.5	1		03/05/24 19:57	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.5	1		03/05/24 19:57	10061-02-6	
Ethylbenzene	ND	ug/kg	4.5	1		03/05/24 19:57	100-41-4	
Ethyl methacrylate	ND	ug/kg	90.3	1		03/05/24 19:57	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	4.5	1		03/05/24 19:57	87-68-3	
n-Hexane	ND	ug/kg	4.5	1		03/05/24 19:57	110-54-3	
2-Hexanone	ND	ug/kg	90.3	1		03/05/24 19:57	591-78-6	
Iodomethane	ND	ug/kg	90.3	1		03/05/24 19:57	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	4.5	1		03/05/24 19:57	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.5	1		03/05/24 19:57	99-87-6	
Methylene Chloride	ND	ug/kg	18.1	1		03/05/24 19:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	22.6	1		03/05/24 19:57	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.5	1		03/05/24 19:57	1634-04-4	
n-Propylbenzene	ND	ug/kg	4.5	1		03/05/24 19:57	103-65-1	
Styrene	ND	ug/kg	4.5	1		03/05/24 19:57	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.5	1		03/05/24 19:57	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.5	1		03/05/24 19:57	79-34-5	
Tetrachloroethene	ND	ug/kg	4.5	1		03/05/24 19:57	127-18-4	
Toluene	ND	ug/kg	4.5	1		03/05/24 19:57	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.5	1		03/05/24 19:57	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.5	1		03/05/24 19:57	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.5	1		03/05/24 19:57	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.5	1		03/05/24 19:57	79-00-5	
Trichloroethene	ND	ug/kg	4.5	1		03/05/24 19:57	79-01-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50366942

Sample: B-15 (18-20) **Lab ID: 50366942017** Collected: 02/27/24 16:45 Received: 02/28/24 14:30 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							
	Pace Analytical Services - Indianapolis							
Trichlorofluoromethane	ND	ug/kg	4.5	1		03/05/24 19:57	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.5	1		03/05/24 19:57	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.5	1		03/05/24 19:57	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.5	1		03/05/24 19:57	108-67-8	
Vinyl acetate	ND	ug/kg	90.3	1		03/05/24 19:57	108-05-4	
Vinyl chloride	ND	ug/kg	4.5	1		03/05/24 19:57	75-01-4	
Xylene (Total)	ND	ug/kg	9.0	1		03/05/24 19:57	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101	%.	75-135	1		03/05/24 19:57	1868-53-7	
Toluene-d8 (S)	102	%.	65-148	1		03/05/24 19:57	2037-26-5	
4-Bromofluorobenzene (S)	100	%.	63-132	1		03/05/24 19:57	460-00-4	
Percent Moisture	Analytical Method: SM 2540G							
	Pace Analytical Services - Indianapolis							
Percent Moisture	**11.8**	%	0.10	1		03/11/24 14:00		N2

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50366942

Sample: DUP-SL **Lab ID: 50366942018** Collected: 02/27/24 08:00 Received: 02/28/24 14:30 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 Pace Analytical Services - Indianapolis							
Lead	**16.0**	mg/kg	1.2	1	03/10/24 23:20	03/12/24 01:12	7439-92-1	
8270 PAH Soil by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546 Pace Analytical Services - Indianapolis							
Acenaphthene	ND	ug/kg	6.1	1	03/12/24 09:30	03/13/24 01:28	83-32-9	
Acenaphthylene	ND	ug/kg	6.1	1	03/12/24 09:30	03/13/24 01:28	208-96-8	
Anthracene	ND	ug/kg	6.1	1	03/12/24 09:30	03/13/24 01:28	120-12-7	
Benzo(a)anthracene	ND	ug/kg	6.1	1	03/12/24 09:30	03/13/24 01:28	56-55-3	
Benzo(a)pyrene	ND	ug/kg	6.1	1	03/12/24 09:30	03/13/24 01:28	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	6.1	1	03/12/24 09:30	03/13/24 01:28	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	6.1	1	03/12/24 09:30	03/13/24 01:28	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	6.1	1	03/12/24 09:30	03/13/24 01:28	207-08-9	
Chrysene	ND	ug/kg	6.1	1	03/12/24 09:30	03/13/24 01:28	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	6.1	1	03/12/24 09:30	03/13/24 01:28	53-70-3	
Fluoranthene	ND	ug/kg	6.1	1	03/12/24 09:30	03/13/24 01:28	206-44-0	
Fluorene	ND	ug/kg	6.1	1	03/12/24 09:30	03/13/24 01:28	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	6.1	1	03/12/24 09:30	03/13/24 01:28	193-39-5	
1-Methylnaphthalene	ND	ug/kg	6.1	1	03/12/24 09:30	03/13/24 01:28	90-12-0	
2-Methylnaphthalene	ND	ug/kg	6.1	1	03/12/24 09:30	03/13/24 01:28	91-57-6	
Naphthalene	ND	ug/kg	6.1	1	03/12/24 09:30	03/13/24 01:28	91-20-3	
Phenanthrene	ND	ug/kg	6.1	1	03/12/24 09:30	03/13/24 01:28	85-01-8	
Pyrene	ND	ug/kg	6.1	1	03/12/24 09:30	03/13/24 01:28	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	64	%.	23-115	1	03/12/24 09:30	03/13/24 01:28	321-60-8	
p-Terphenyl-d14 (S)	80	%.	19-136	1	03/12/24 09:30	03/13/24 01:28	1718-51-0	
8260 MSV 5035A VOA	Analytical Method: EPA 8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/kg	112	1		03/05/24 20:28	67-64-1	
Acrolein	ND	ug/kg	112	1		03/05/24 20:28	107-02-8	
Acrylonitrile	ND	ug/kg	112	1		03/05/24 20:28	107-13-1	
Benzene	ND	ug/kg	5.6	1		03/05/24 20:28	71-43-2	
Bromobenzene	ND	ug/kg	5.6	1		03/05/24 20:28	108-86-1	
Bromochloromethane	ND	ug/kg	5.6	1		03/05/24 20:28	74-97-5	
Bromodichloromethane	ND	ug/kg	5.6	1		03/05/24 20:28	75-27-4	
Bromoform	ND	ug/kg	5.6	1		03/05/24 20:28	75-25-2	
Bromomethane	ND	ug/kg	5.6	1		03/05/24 20:28	74-83-9	
2-Butanone (MEK)	ND	ug/kg	28.0	1		03/05/24 20:28	78-93-3	
n-Butylbenzene	ND	ug/kg	5.6	1		03/05/24 20:28	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.6	1		03/05/24 20:28	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.6	1		03/05/24 20:28	98-06-6	
Carbon disulfide	ND	ug/kg	11.2	1		03/05/24 20:28	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.6	1		03/05/24 20:28	56-23-5	
Chlorobenzene	ND	ug/kg	5.6	1		03/05/24 20:28	108-90-7	
Chloroethane	ND	ug/kg	5.6	1		03/05/24 20:28	75-00-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50366942

Sample: DUP-SL **Lab ID: 50366942018** Collected: 02/27/24 08:00 Received: 02/28/24 14:30 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 Pace Analytical Services - Indianapolis							
Chloroform	ND	ug/kg	5.6	1		03/05/24 20:28	67-66-3	
Chloromethane	ND	ug/kg	5.6	1		03/05/24 20:28	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.6	1		03/05/24 20:28	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.6	1		03/05/24 20:28	106-43-4	
Dibromochloromethane	ND	ug/kg	5.6	1		03/05/24 20:28	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.6	1		03/05/24 20:28	106-93-4	
Dibromomethane	ND	ug/kg	5.6	1		03/05/24 20:28	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.6	1		03/05/24 20:28	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.6	1		03/05/24 20:28	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.6	1		03/05/24 20:28	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	112	1		03/05/24 20:28	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	5.6	1		03/05/24 20:28	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.6	1		03/05/24 20:28	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.6	1		03/05/24 20:28	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.6	1		03/05/24 20:28	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.6	1		03/05/24 20:28	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.6	1		03/05/24 20:28	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.6	1		03/05/24 20:28	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.6	1		03/05/24 20:28	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.6	1		03/05/24 20:28	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.6	1		03/05/24 20:28	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.6	1		03/05/24 20:28	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.6	1		03/05/24 20:28	10061-02-6	
Ethylbenzene	ND	ug/kg	5.6	1		03/05/24 20:28	100-41-4	
Ethyl methacrylate	ND	ug/kg	112	1		03/05/24 20:28	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	5.6	1		03/05/24 20:28	87-68-3	
n-Hexane	ND	ug/kg	5.6	1		03/05/24 20:28	110-54-3	
2-Hexanone	ND	ug/kg	112	1		03/05/24 20:28	591-78-6	
Iodomethane	ND	ug/kg	112	1		03/05/24 20:28	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	5.6	1		03/05/24 20:28	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.6	1		03/05/24 20:28	99-87-6	
Methylene Chloride	ND	ug/kg	22.4	1		03/05/24 20:28	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	28.0	1		03/05/24 20:28	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.6	1		03/05/24 20:28	1634-04-4	
n-Propylbenzene	ND	ug/kg	5.6	1		03/05/24 20:28	103-65-1	
Styrene	ND	ug/kg	5.6	1		03/05/24 20:28	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.6	1		03/05/24 20:28	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.6	1		03/05/24 20:28	79-34-5	
Tetrachloroethene	ND	ug/kg	5.6	1		03/05/24 20:28	127-18-4	
Toluene	ND	ug/kg	5.6	1		03/05/24 20:28	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.6	1		03/05/24 20:28	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.6	1		03/05/24 20:28	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.6	1		03/05/24 20:28	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.6	1		03/05/24 20:28	79-00-5	
Trichloroethene	ND	ug/kg	5.6	1		03/05/24 20:28	79-01-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50366942

Sample: DUP-SL **Lab ID: 50366942018** Collected: 02/27/24 08:00 Received: 02/28/24 14:30 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							
	Pace Analytical Services - Indianapolis							
Trichlorofluoromethane	ND	ug/kg	5.6	1		03/05/24 20:28	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.6	1		03/05/24 20:28	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.6	1		03/05/24 20:28	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.6	1		03/05/24 20:28	108-67-8	
Vinyl acetate	ND	ug/kg	112	1		03/05/24 20:28	108-05-4	
Vinyl chloride	ND	ug/kg	5.6	1		03/05/24 20:28	75-01-4	
Xylene (Total)	ND	ug/kg	11.2	1		03/05/24 20:28	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101	%.	75-135	1		03/05/24 20:28	1868-53-7	
Toluene-d8 (S)	102	%.	65-148	1		03/05/24 20:28	2037-26-5	
4-Bromofluorobenzene (S)	100	%.	63-132	1		03/05/24 20:28	460-00-4	
Percent Moisture	Analytical Method: SM 2540G							
	Pace Analytical Services - Indianapolis							
Percent Moisture	**19.7**	%	0.10	1		03/11/24 14:00		N2

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50366942

Sample: TB-SL **Lab ID: 50366942019** Collected: 02/27/24 09:15 Received: 02/28/24 14:30 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/kg	100	1		03/05/24 20:58	67-64-1	
Acrolein	ND	ug/kg	100	1		03/05/24 20:58	107-02-8	
Acrylonitrile	ND	ug/kg	100	1		03/05/24 20:58	107-13-1	
Benzene	ND	ug/kg	5.0	1		03/05/24 20:58	71-43-2	
Bromobenzene	ND	ug/kg	5.0	1		03/05/24 20:58	108-86-1	
Bromochloromethane	ND	ug/kg	5.0	1		03/05/24 20:58	74-97-5	
Bromodichloromethane	ND	ug/kg	5.0	1		03/05/24 20:58	75-27-4	
Bromoform	ND	ug/kg	5.0	1		03/05/24 20:58	75-25-2	
Bromomethane	ND	ug/kg	5.0	1		03/05/24 20:58	74-83-9	
2-Butanone (MEK)	ND	ug/kg	25.0	1		03/05/24 20:58	78-93-3	
n-Butylbenzene	ND	ug/kg	5.0	1		03/05/24 20:58	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.0	1		03/05/24 20:58	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.0	1		03/05/24 20:58	98-06-6	
Carbon disulfide	ND	ug/kg	10.0	1		03/05/24 20:58	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.0	1		03/05/24 20:58	56-23-5	
Chlorobenzene	ND	ug/kg	5.0	1		03/05/24 20:58	108-90-7	
Chloroethane	ND	ug/kg	5.0	1		03/05/24 20:58	75-00-3	
Chloroform	ND	ug/kg	5.0	1		03/05/24 20:58	67-66-3	
Chloromethane	ND	ug/kg	5.0	1		03/05/24 20:58	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.0	1		03/05/24 20:58	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.0	1		03/05/24 20:58	106-43-4	
Dibromochloromethane	ND	ug/kg	5.0	1		03/05/24 20:58	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.0	1		03/05/24 20:58	106-93-4	
Dibromomethane	ND	ug/kg	5.0	1		03/05/24 20:58	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.0	1		03/05/24 20:58	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.0	1		03/05/24 20:58	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.0	1		03/05/24 20:58	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	100	1		03/05/24 20:58	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	5.0	1		03/05/24 20:58	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.0	1		03/05/24 20:58	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.0	1		03/05/24 20:58	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.0	1		03/05/24 20:58	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.0	1		03/05/24 20:58	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.0	1		03/05/24 20:58	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.0	1		03/05/24 20:58	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.0	1		03/05/24 20:58	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.0	1		03/05/24 20:58	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.0	1		03/05/24 20:58	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.0	1		03/05/24 20:58	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.0	1		03/05/24 20:58	10061-02-6	
Ethylbenzene	ND	ug/kg	5.0	1		03/05/24 20:58	100-41-4	
Ethyl methacrylate	ND	ug/kg	100	1		03/05/24 20:58	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	5.0	1		03/05/24 20:58	87-68-3	
n-Hexane	ND	ug/kg	5.0	1		03/05/24 20:58	110-54-3	
2-Hexanone	ND	ug/kg	100	1		03/05/24 20:58	591-78-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50366942

Sample: TB-SL **Lab ID: 50366942019** Collected: 02/27/24 09:15 Received: 02/28/24 14:30 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035A VOA	Analytical Method: EPA 8260							
	Pace Analytical Services - Indianapolis							
Iodomethane	ND	ug/kg	100	1		03/05/24 20:58	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	5.0	1		03/05/24 20:58	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.0	1		03/05/24 20:58	99-87-6	
Methylene Chloride	ND	ug/kg	20.0	1		03/05/24 20:58	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	25.0	1		03/05/24 20:58	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.0	1		03/05/24 20:58	1634-04-4	
n-Propylbenzene	ND	ug/kg	5.0	1		03/05/24 20:58	103-65-1	
Styrene	ND	ug/kg	5.0	1		03/05/24 20:58	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.0	1		03/05/24 20:58	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.0	1		03/05/24 20:58	79-34-5	
Tetrachloroethene	ND	ug/kg	5.0	1		03/05/24 20:58	127-18-4	
Toluene	ND	ug/kg	5.0	1		03/05/24 20:58	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.0	1		03/05/24 20:58	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.0	1		03/05/24 20:58	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.0	1		03/05/24 20:58	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.0	1		03/05/24 20:58	79-00-5	
Trichloroethene	ND	ug/kg	5.0	1		03/05/24 20:58	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.0	1		03/05/24 20:58	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.0	1		03/05/24 20:58	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.0	1		03/05/24 20:58	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.0	1		03/05/24 20:58	108-67-8	
Vinyl acetate	ND	ug/kg	100	1		03/05/24 20:58	108-05-4	
Vinyl chloride	ND	ug/kg	5.0	1		03/05/24 20:58	75-01-4	
Xylene (Total)	ND	ug/kg	10.0	1		03/05/24 20:58	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101	%.	75-135	1		03/05/24 20:58	1868-53-7	
Toluene-d8 (S)	101	%.	65-148	1		03/05/24 20:58	2037-26-5	
4-Bromofluorobenzene (S)	102	%.	63-132	1		03/05/24 20:58	460-00-4	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Road Ranger 226
Pace Project No.: 50366942

QC Batch: 778157
QC Batch Method: EPA 3050
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50366942001, 50366942002, 50366942003, 50366942004, 50366942005, 50366942006, 50366942007, 50366942008, 50366942009, 50366942010, 50366942011, 50366942012, 50366942013, 50366942014, 50366942015, 50366942016, 50366942017, 50366942018

METHOD BLANK: 3561611 Matrix: Solid
Associated Lab Samples: 50366942001, 50366942002, 50366942003, 50366942004, 50366942005, 50366942006, 50366942007, 50366942008, 50366942009, 50366942010, 50366942011, 50366942012, 50366942013, 50366942014, 50366942015, 50366942016, 50366942017, 50366942018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	mg/kg	ND	1.0	03/12/24 00:27	

LABORATORY CONTROL SAMPLE: 3561612

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/kg	50	43.8	88	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3561613 3561614

Parameter	Units	50366942013 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	mg/kg	7.2	61.3	61.4	51.3	52.7	72	74	75-125	3	20	M3

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Road Ranger 226
Pace Project No.: 50366942

QC Batch: 778559
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV 5035A Volatile Organics
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50366942001, 50366942013

METHOD BLANK: 3563080
Matrix: Solid
Associated Lab Samples: 50366942001, 50366942013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	03/04/24 12:09	
1,1,1-Trichloroethane	ug/kg	ND	5.0	03/04/24 12:09	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	03/04/24 12:09	
1,1,2-Trichloroethane	ug/kg	ND	5.0	03/04/24 12:09	
1,1-Dichloroethane	ug/kg	ND	5.0	03/04/24 12:09	
1,1-Dichloroethene	ug/kg	ND	5.0	03/04/24 12:09	
1,1-Dichloropropene	ug/kg	ND	5.0	03/04/24 12:09	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	03/04/24 12:09	
1,2,3-Trichloropropane	ug/kg	ND	5.0	03/04/24 12:09	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	03/04/24 12:09	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	03/04/24 12:09	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	03/04/24 12:09	
1,2-Dichlorobenzene	ug/kg	ND	5.0	03/04/24 12:09	
1,2-Dichloroethane	ug/kg	ND	5.0	03/04/24 12:09	
1,2-Dichloropropane	ug/kg	ND	5.0	03/04/24 12:09	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	03/04/24 12:09	
1,3-Dichlorobenzene	ug/kg	ND	5.0	03/04/24 12:09	
1,3-Dichloropropane	ug/kg	ND	5.0	03/04/24 12:09	
1,4-Dichlorobenzene	ug/kg	ND	5.0	03/04/24 12:09	
2,2-Dichloropropane	ug/kg	ND	5.0	03/04/24 12:09	
2-Butanone (MEK)	ug/kg	ND	25.0	03/04/24 12:09	
2-Chlorotoluene	ug/kg	ND	5.0	03/04/24 12:09	
2-Hexanone	ug/kg	ND	100	03/04/24 12:09	
4-Chlorotoluene	ug/kg	ND	5.0	03/04/24 12:09	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	25.0	03/04/24 12:09	
Acetone	ug/kg	ND	100	03/04/24 12:09	
Acrolein	ug/kg	ND	100	03/04/24 12:09	
Acrylonitrile	ug/kg	ND	100	03/04/24 12:09	
Benzene	ug/kg	ND	5.0	03/04/24 12:09	
Bromobenzene	ug/kg	ND	5.0	03/04/24 12:09	
Bromochloromethane	ug/kg	ND	5.0	03/04/24 12:09	
Bromodichloromethane	ug/kg	ND	5.0	03/04/24 12:09	
Bromoform	ug/kg	ND	5.0	03/04/24 12:09	
Bromomethane	ug/kg	ND	5.0	03/04/24 12:09	
Carbon disulfide	ug/kg	ND	10.0	03/04/24 12:09	
Carbon tetrachloride	ug/kg	ND	5.0	03/04/24 12:09	
Chlorobenzene	ug/kg	ND	5.0	03/04/24 12:09	
Chloroethane	ug/kg	ND	5.0	03/04/24 12:09	
Chloroform	ug/kg	ND	5.0	03/04/24 12:09	
Chloromethane	ug/kg	ND	5.0	03/04/24 12:09	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Road Ranger 226
Pace Project No.: 50366942

METHOD BLANK: 3563080 Matrix: Solid
Associated Lab Samples: 50366942001, 50366942013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/kg	ND	5.0	03/04/24 12:09	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	03/04/24 12:09	
Dibromochloromethane	ug/kg	ND	5.0	03/04/24 12:09	
Dibromomethane	ug/kg	ND	5.0	03/04/24 12:09	
Dichlorodifluoromethane	ug/kg	ND	5.0	03/04/24 12:09	
Ethyl methacrylate	ug/kg	ND	100	03/04/24 12:09	
Ethylbenzene	ug/kg	ND	5.0	03/04/24 12:09	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	03/04/24 12:09	
Iodomethane	ug/kg	ND	100	03/04/24 12:09	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	03/04/24 12:09	
Methyl-tert-butyl ether	ug/kg	ND	5.0	03/04/24 12:09	
Methylene Chloride	ug/kg	ND	20.0	03/04/24 12:09	
n-Butylbenzene	ug/kg	ND	5.0	03/04/24 12:09	
n-Hexane	ug/kg	ND	5.0	03/04/24 12:09	
n-Propylbenzene	ug/kg	ND	5.0	03/04/24 12:09	
p-Isopropyltoluene	ug/kg	ND	5.0	03/04/24 12:09	
sec-Butylbenzene	ug/kg	ND	5.0	03/04/24 12:09	
Styrene	ug/kg	ND	5.0	03/04/24 12:09	
tert-Butylbenzene	ug/kg	ND	5.0	03/04/24 12:09	
Tetrachloroethene	ug/kg	ND	5.0	03/04/24 12:09	
Toluene	ug/kg	ND	5.0	03/04/24 12:09	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	03/04/24 12:09	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	03/04/24 12:09	
trans-1,4-Dichloro-2-butene	ug/kg	ND	100	03/04/24 12:09	
Trichloroethene	ug/kg	ND	5.0	03/04/24 12:09	
Trichlorofluoromethane	ug/kg	ND	5.0	03/04/24 12:09	
Vinyl acetate	ug/kg	ND	100	03/04/24 12:09	
Vinyl chloride	ug/kg	ND	5.0	03/04/24 12:09	
Xylene (Total)	ug/kg	ND	10.0	03/04/24 12:09	
4-Bromofluorobenzene (S)	%.	101	63-132	03/04/24 12:09	
Dibromofluoromethane (S)	%.	101	75-135	03/04/24 12:09	
Toluene-d8 (S)	%.	102	65-148	03/04/24 12:09	

LABORATORY CONTROL SAMPLE: 3563081

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	50	40.0	80	66-133	
1,1,2,2-Tetrachloroethane	ug/kg	50	43.3	87	62-131	
1,1-Dichloroethene	ug/kg	50	40.5	81	65-138	
1,2,4-Trimethylbenzene	ug/kg	50	43.0	86	61-130	
1,2-Dibromoethane (EDB)	ug/kg	50	39.3	79	74-131	
1,2-Dichloroethane	ug/kg	50	36.2	72	62-129	
1,2-Dichloropropane	ug/kg	50	42.8	86	64-132	
1,3,5-Trimethylbenzene	ug/kg	50	44.1	88	62-127	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Road Ranger 226
Pace Project No.: 50366942

LABORATORY CONTROL SAMPLE: 3563081

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	50	45.4	91	65-128	
Chlorobenzene	ug/kg	50	41.9	84	69-124	
Chloroform	ug/kg	50	40.2	80	67-122	
cis-1,2-Dichloroethene	ug/kg	50	41.9	84	64-131	
Ethylbenzene	ug/kg	50	42.8	86	67-127	
Isopropylbenzene (Cumene)	ug/kg	50	43.4	87	67-128	
Methyl-tert-butyl ether	ug/kg	50	39.3	79	66-135	
n-Hexane	ug/kg	50	38.5	77	54-129	
Tetrachloroethene	ug/kg	50	41.7	83	62-135	
Toluene	ug/kg	50	43.4	87	65-123	
trans-1,2-Dichloroethene	ug/kg	50	42.4	85	63-131	
Trichloroethene	ug/kg	50	42.4	85	64-135	
Vinyl chloride	ug/kg	50	44.4	89	54-134	
Xylene (Total)	ug/kg	150	123	82	65-124	
4-Bromofluorobenzene (S)	%.			98	63-132	
Dibromofluoromethane (S)	%.			96	75-135	
Toluene-d8 (S)	%.			103	65-148	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3563082 3563083

Parameter	Units	50366942013 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	ug/kg	ND	53.7	50.8	39.2	37.0	73	73	61-143	6	20	
1,1,2,2-Tetrachloroethane	ug/kg	ND	53.7	50.8	44.2	47.6	82	94	30-172	7	20	
1,1-Dichloroethene	ug/kg	ND	53.7	50.8	40.8	37.1	76	73	58-154	9	20	
1,2,4-Trimethylbenzene	ug/kg	ND	53.7	50.8	40.5	41.5	75	82	11-175	2	20	
1,2-Dibromoethane (EDB)	ug/kg	ND	53.7	50.8	39.3	41.8	73	82	42-153	6	20	
1,2-Dichloroethane	ug/kg	ND	53.7	50.8	36.6	37.7	68	74	58-135	3	20	
1,2-Dichloropropane	ug/kg	ND	53.7	50.8	42.6	42.7	80	84	48-150	0	20	
1,3,5-Trimethylbenzene	ug/kg	ND	53.7	50.8	42.3	42.7	79	84	10-179	1	20	
Benzene	ug/kg	ND	53.7	50.8	44.5	43.0	83	85	42-152	4	20	
Chlorobenzene	ug/kg	ND	53.7	50.8	40.4	40.5	75	80	27-149	0	20	
Chloroform	ug/kg	ND	53.7	50.8	40.4	40.0	75	79	54-143	1	20	
cis-1,2-Dichloroethene	ug/kg	ND	53.7	50.8	41.8	40.8	78	80	56-140	2	20	
Ethylbenzene	ug/kg	ND	53.7	50.8	41.6	40.5	78	80	27-150	3	20	
Isopropylbenzene (Cumene)	ug/kg	ND	53.7	50.8	41.3	40.6	77	80	26-159	2	20	
Methyl-tert-butyl ether	ug/kg	ND	53.7	50.8	39.2	41.7	73	82	68-143	6	20	
n-Hexane	ug/kg	ND	53.7	50.8	37.4	34.7	70	68	14-161	8	20	
Tetrachloroethene	ug/kg	ND	53.7	50.8	39.6	38.6	74	76	40-157	2	20	
Toluene	ug/kg	ND	53.7	50.8	42.9	41.8	80	82	32-149	2	20	
trans-1,2-Dichloroethene	ug/kg	ND	53.7	50.8	41.7	39.0	78	77	51-146	7	20	
Trichloroethene	ug/kg	ND	53.7	50.8	41.1	39.5	77	78	34-168	4	20	
Vinyl chloride	ug/kg	ND	53.7	50.8	43.8	37.8	82	74	49-148	15	20	
Xylene (Total)	ug/kg	ND	160	152	119	117	74	77	23-151	1	20	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Road Ranger 226
Pace Project No.: 50366942

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3563082 3563083

Parameter	Units	50366942013 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
4-Bromofluorobenzene (S)	%.						95	94	63-132			
Dibromofluoromethane (S)	%.						97	96	75-135			
Toluene-d8 (S)	%.						104	104	65-148			

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Road Ranger 226
Pace Project No.: 50366942

QC Batch: 778562
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV 5035A Volatile Organics
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50366942002, 50366942003, 50366942004

METHOD BLANK: 3563090 Matrix: Solid
Associated Lab Samples: 50366942002, 50366942003, 50366942004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	03/05/24 00:18	
1,1,1-Trichloroethane	ug/kg	ND	5.0	03/05/24 00:18	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	03/05/24 00:18	
1,1,2-Trichloroethane	ug/kg	ND	5.0	03/05/24 00:18	
1,1-Dichloroethane	ug/kg	ND	5.0	03/05/24 00:18	
1,1-Dichloroethene	ug/kg	ND	5.0	03/05/24 00:18	
1,1-Dichloropropene	ug/kg	ND	5.0	03/05/24 00:18	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	03/05/24 00:18	
1,2,3-Trichloropropane	ug/kg	ND	5.0	03/05/24 00:18	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	03/05/24 00:18	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	03/05/24 00:18	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	03/05/24 00:18	
1,2-Dichlorobenzene	ug/kg	ND	5.0	03/05/24 00:18	
1,2-Dichloroethane	ug/kg	ND	5.0	03/05/24 00:18	
1,2-Dichloropropane	ug/kg	ND	5.0	03/05/24 00:18	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	03/05/24 00:18	
1,3-Dichlorobenzene	ug/kg	ND	5.0	03/05/24 00:18	
1,3-Dichloropropane	ug/kg	ND	5.0	03/05/24 00:18	
1,4-Dichlorobenzene	ug/kg	ND	5.0	03/05/24 00:18	
2,2-Dichloropropane	ug/kg	ND	5.0	03/05/24 00:18	
2-Butanone (MEK)	ug/kg	ND	25.0	03/05/24 00:18	
2-Chlorotoluene	ug/kg	ND	5.0	03/05/24 00:18	
2-Hexanone	ug/kg	ND	100	03/05/24 00:18	
4-Chlorotoluene	ug/kg	ND	5.0	03/05/24 00:18	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	25.0	03/05/24 00:18	
Acetone	ug/kg	ND	100	03/05/24 00:18	
Acrolein	ug/kg	ND	100	03/05/24 00:18	
Acrylonitrile	ug/kg	ND	100	03/05/24 00:18	
Benzene	ug/kg	ND	5.0	03/05/24 00:18	
Bromobenzene	ug/kg	ND	5.0	03/05/24 00:18	
Bromochloromethane	ug/kg	ND	5.0	03/05/24 00:18	
Bromodichloromethane	ug/kg	ND	5.0	03/05/24 00:18	
Bromoform	ug/kg	ND	5.0	03/05/24 00:18	
Bromomethane	ug/kg	ND	5.0	03/05/24 00:18	
Carbon disulfide	ug/kg	ND	10.0	03/05/24 00:18	
Carbon tetrachloride	ug/kg	ND	5.0	03/05/24 00:18	
Chlorobenzene	ug/kg	ND	5.0	03/05/24 00:18	
Chloroethane	ug/kg	ND	5.0	03/05/24 00:18	
Chloroform	ug/kg	ND	5.0	03/05/24 00:18	
Chloromethane	ug/kg	ND	5.0	03/05/24 00:18	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Road Ranger 226
Pace Project No.: 50366942

METHOD BLANK: 3563090 Matrix: Solid
Associated Lab Samples: 50366942002, 50366942003, 50366942004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/kg	ND	5.0	03/05/24 00:18	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	03/05/24 00:18	
Dibromochloromethane	ug/kg	ND	5.0	03/05/24 00:18	
Dibromomethane	ug/kg	ND	5.0	03/05/24 00:18	
Dichlorodifluoromethane	ug/kg	ND	5.0	03/05/24 00:18	
Ethyl methacrylate	ug/kg	ND	100	03/05/24 00:18	
Ethylbenzene	ug/kg	ND	5.0	03/05/24 00:18	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	03/05/24 00:18	
Iodomethane	ug/kg	ND	100	03/05/24 00:18	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	03/05/24 00:18	
Methyl-tert-butyl ether	ug/kg	ND	5.0	03/05/24 00:18	
Methylene Chloride	ug/kg	ND	20.0	03/05/24 00:18	
n-Butylbenzene	ug/kg	ND	5.0	03/05/24 00:18	
n-Hexane	ug/kg	ND	5.0	03/05/24 00:18	
n-Propylbenzene	ug/kg	ND	5.0	03/05/24 00:18	
p-Isopropyltoluene	ug/kg	ND	5.0	03/05/24 00:18	
sec-Butylbenzene	ug/kg	ND	5.0	03/05/24 00:18	
Styrene	ug/kg	ND	5.0	03/05/24 00:18	
tert-Butylbenzene	ug/kg	ND	5.0	03/05/24 00:18	
Tetrachloroethene	ug/kg	ND	5.0	03/05/24 00:18	
Toluene	ug/kg	ND	5.0	03/05/24 00:18	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	03/05/24 00:18	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	03/05/24 00:18	
trans-1,4-Dichloro-2-butene	ug/kg	ND	100	03/05/24 00:18	
Trichloroethene	ug/kg	ND	5.0	03/05/24 00:18	
Trichlorofluoromethane	ug/kg	ND	5.0	03/05/24 00:18	
Vinyl acetate	ug/kg	ND	100	03/05/24 00:18	
Vinyl chloride	ug/kg	ND	5.0	03/05/24 00:18	
Xylene (Total)	ug/kg	ND	10.0	03/05/24 00:18	
4-Bromofluorobenzene (S)	%.	102	63-132	03/05/24 00:18	
Dibromofluoromethane (S)	%.	100	75-135	03/05/24 00:18	1d
Toluene-d8 (S)	%.	102	65-148	03/05/24 00:18	

LABORATORY CONTROL SAMPLE: 3563091

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	50	41.2	82	74-134	
1,1,1-Trichloroethane	ug/kg	50	38.8	78	66-133	
1,1,2,2-Tetrachloroethane	ug/kg	50	42.3	85	62-131	
1,1,2-Trichloroethane	ug/kg	50	42.2	84	73-128	
1,1-Dichloroethane	ug/kg	50	41.0	82	67-128	
1,1-Dichloroethene	ug/kg	50	39.1	78	65-138	
1,1-Dichloropropene	ug/kg	50	42.2	84	70-148	
1,2,3-Trichlorobenzene	ug/kg	50	38.8	78	63-140	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Road Ranger 226
Pace Project No.: 50366942

LABORATORY CONTROL SAMPLE: 3563091

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,3-Trichloropropane	ug/kg	50	41.0	82	69-128	
1,2,4-Trichlorobenzene	ug/kg	50	35.2	70	58-144	
1,2,4-Trimethylbenzene	ug/kg	50	38.9	78	61-130	
1,2-Dibromoethane (EDB)	ug/kg	50	39.8	80	74-131	
1,2-Dichlorobenzene	ug/kg	50	40.3	81	68-130	
1,2-Dichloroethane	ug/kg	50	36.2	72	62-129	
1,2-Dichloropropane	ug/kg	50	42.1	84	64-132	
1,3,5-Trimethylbenzene	ug/kg	50	40.8	82	62-127	
1,3-Dichlorobenzene	ug/kg	50	39.1	78	66-131	
1,3-Dichloropropane	ug/kg	50	42.2	84	74-129	
1,4-Dichlorobenzene	ug/kg	50	38.9	78	66-129	
2,2-Dichloropropane	ug/kg	50	34.5	69	63-139	
2-Butanone (MEK)	ug/kg	250	198	79	57-139	
2-Chlorotoluene	ug/kg	50	41.3	83	67-127	
2-Hexanone	ug/kg	250	185	74	59-130	
4-Chlorotoluene	ug/kg	50	39.7	79	66-132	
4-Methyl-2-pentanone (MIBK)	ug/kg	250	198	79	62-132	
Acetone	ug/kg	250	176	70	45-139	
Acrolein	ug/kg	1000	647	65	59-123	
Acrylonitrile	ug/kg	250	210	84	64-135	
Benzene	ug/kg	50	44.3	89	65-128	
Bromobenzene	ug/kg	50	38.3	77	71-123	
Bromochloromethane	ug/kg	50	37.4	75	63-130	
Bromodichloromethane	ug/kg	50	41.5	83	69-132	
Bromoform	ug/kg	50	42.2	84	69-140	
Bromomethane	ug/kg	50	59.8	120	42-162	
Carbon disulfide	ug/kg	50	38.1	76	64-132	
Carbon tetrachloride	ug/kg	50	38.2	76	65-141	
Chlorobenzene	ug/kg	50	40.2	80	69-124	
Chloroethane	ug/kg	50	45.5	91	64-136	
Chloroform	ug/kg	50	39.9	80	67-122	
Chloromethane	ug/kg	50	39.0	78	49-130	
cis-1,2-Dichloroethene	ug/kg	50	41.4	83	64-131	
cis-1,3-Dichloropropene	ug/kg	50	41.5	83	72-134	
Dibromochloromethane	ug/kg	50	41.7	83	73-136	
Dibromomethane	ug/kg	50	41.2	82	70-131	
Dichlorodifluoromethane	ug/kg	50	23.4	47	10-117	
Ethyl methacrylate	ug/kg	50	44.2J	88	70-132	
Ethylbenzene	ug/kg	50	40.5	81	67-127	
Hexachloro-1,3-butadiene	ug/kg	50	37.8	76	59-141	
Iodomethane	ug/kg	50	36J	72	42-150	
Isopropylbenzene (Cumene)	ug/kg	50	41.1	82	67-128	
Methyl-tert-butyl ether	ug/kg	50	38.9	78	66-135	
Methylene Chloride	ug/kg	50	40.8	82	66-137	
n-Butylbenzene	ug/kg	50	40.0	80	61-142	
n-Hexane	ug/kg	50	34.8	70	54-129	
n-Propylbenzene	ug/kg	50	42.5	85	67-135	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Road Ranger 226
Pace Project No.: 50366942

LABORATORY CONTROL SAMPLE: 3563091

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
p-Isopropyltoluene	ug/kg	50	40.8	82	65-135	
sec-Butylbenzene	ug/kg	50	43.5	87	67-138	
Styrene	ug/kg	50	40.4	81	72-129	
tert-Butylbenzene	ug/kg	50	42.9	86	68-136	
Tetrachloroethene	ug/kg	50	38.5	77	62-135	
Toluene	ug/kg	50	41.6	83	65-123	
trans-1,2-Dichloroethene	ug/kg	50	40.6	81	63-131	
trans-1,3-Dichloropropene	ug/kg	50	38.9	78	71-135	
trans-1,4-Dichloro-2-butene	ug/kg	50	32.9J	66	62-156	
Trichloroethene	ug/kg	50	41.0	82	64-135	
Trichlorofluoromethane	ug/kg	50	37.6	75	56-142	
Vinyl acetate	ug/kg	200	171	86	47-142	
Vinyl chloride	ug/kg	50	41.6	83	54-134	
Xylene (Total)	ug/kg	150	117	78	65-124	
4-Bromofluorobenzene (S)	%.			97	63-132	
Dibromofluoromethane (S)	%.			97	75-135	
Toluene-d8 (S)	%.			101	65-148	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Road Ranger 226
Pace Project No.: 50366942

QC Batch: 778762
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV 5035A Volatile Organics
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50366942005, 50366942006, 50366942007, 50366942008, 50366942009, 50366942010, 50366942011, 50366942012, 50366942014, 50366942015, 50366942016, 50366942017, 50366942018, 50366942019

METHOD BLANK: 3563844
Matrix: Solid
Associated Lab Samples: 50366942005, 50366942006, 50366942007, 50366942008, 50366942009, 50366942010, 50366942011, 50366942012, 50366942014, 50366942015, 50366942016, 50366942017, 50366942018, 50366942019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	03/05/24 12:41	
1,1,1-Trichloroethane	ug/kg	ND	5.0	03/05/24 12:41	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	03/05/24 12:41	
1,1,2-Trichloroethane	ug/kg	ND	5.0	03/05/24 12:41	
1,1-Dichloroethane	ug/kg	ND	5.0	03/05/24 12:41	
1,1-Dichloroethene	ug/kg	ND	5.0	03/05/24 12:41	
1,1-Dichloropropene	ug/kg	ND	5.0	03/05/24 12:41	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	03/05/24 12:41	
1,2,3-Trichloropropane	ug/kg	ND	5.0	03/05/24 12:41	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	03/05/24 12:41	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	03/05/24 12:41	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	03/05/24 12:41	
1,2-Dichlorobenzene	ug/kg	ND	5.0	03/05/24 12:41	
1,2-Dichloroethane	ug/kg	ND	5.0	03/05/24 12:41	
1,2-Dichloropropane	ug/kg	ND	5.0	03/05/24 12:41	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	03/05/24 12:41	
1,3-Dichlorobenzene	ug/kg	ND	5.0	03/05/24 12:41	
1,3-Dichloropropane	ug/kg	ND	5.0	03/05/24 12:41	
1,4-Dichlorobenzene	ug/kg	ND	5.0	03/05/24 12:41	
2,2-Dichloropropane	ug/kg	ND	5.0	03/05/24 12:41	
2-Butanone (MEK)	ug/kg	ND	25.0	03/05/24 12:41	
2-Chlorotoluene	ug/kg	ND	5.0	03/05/24 12:41	
2-Hexanone	ug/kg	ND	100	03/05/24 12:41	
4-Chlorotoluene	ug/kg	ND	5.0	03/05/24 12:41	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	25.0	03/05/24 12:41	
Acetone	ug/kg	ND	100	03/05/24 12:41	
Acrolein	ug/kg	ND	100	03/05/24 12:41	
Acrylonitrile	ug/kg	ND	100	03/05/24 12:41	
Benzene	ug/kg	ND	5.0	03/05/24 12:41	
Bromobenzene	ug/kg	ND	5.0	03/05/24 12:41	
Bromochloromethane	ug/kg	ND	5.0	03/05/24 12:41	
Bromodichloromethane	ug/kg	ND	5.0	03/05/24 12:41	
Bromoform	ug/kg	ND	5.0	03/05/24 12:41	
Bromomethane	ug/kg	ND	5.0	03/05/24 12:41	
Carbon disulfide	ug/kg	ND	10.0	03/05/24 12:41	
Carbon tetrachloride	ug/kg	ND	5.0	03/05/24 12:41	
Chlorobenzene	ug/kg	ND	5.0	03/05/24 12:41	
Chloroethane	ug/kg	ND	5.0	03/05/24 12:41	
Chloroform	ug/kg	ND	5.0	03/05/24 12:41	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Road Ranger 226
Pace Project No.: 50366942

METHOD BLANK: 3563844 Matrix: Solid

Associated Lab Samples: 50366942005, 50366942006, 50366942007, 50366942008, 50366942009, 50366942010, 50366942011, 50366942012, 50366942014, 50366942015, 50366942016, 50366942017, 50366942018, 50366942019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloromethane	ug/kg	ND	5.0	03/05/24 12:41	
cis-1,2-Dichloroethene	ug/kg	ND	5.0	03/05/24 12:41	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	03/05/24 12:41	
Dibromochloromethane	ug/kg	ND	5.0	03/05/24 12:41	
Dibromomethane	ug/kg	ND	5.0	03/05/24 12:41	
Dichlorodifluoromethane	ug/kg	ND	5.0	03/05/24 12:41	
Ethyl methacrylate	ug/kg	ND	100	03/05/24 12:41	
Ethylbenzene	ug/kg	ND	5.0	03/05/24 12:41	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	03/05/24 12:41	
Iodomethane	ug/kg	ND	100	03/05/24 12:41	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	03/05/24 12:41	
Methyl-tert-butyl ether	ug/kg	ND	5.0	03/05/24 12:41	
Methylene Chloride	ug/kg	ND	20.0	03/05/24 12:41	
n-Butylbenzene	ug/kg	ND	5.0	03/05/24 12:41	
n-Hexane	ug/kg	ND	5.0	03/05/24 12:41	
n-Propylbenzene	ug/kg	ND	5.0	03/05/24 12:41	
p-Isopropyltoluene	ug/kg	ND	5.0	03/05/24 12:41	
sec-Butylbenzene	ug/kg	ND	5.0	03/05/24 12:41	
Styrene	ug/kg	ND	5.0	03/05/24 12:41	
tert-Butylbenzene	ug/kg	ND	5.0	03/05/24 12:41	
Tetrachloroethene	ug/kg	ND	5.0	03/05/24 12:41	
Toluene	ug/kg	ND	5.0	03/05/24 12:41	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	03/05/24 12:41	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	03/05/24 12:41	
trans-1,4-Dichloro-2-butene	ug/kg	ND	100	03/05/24 12:41	
Trichloroethene	ug/kg	ND	5.0	03/05/24 12:41	
Trichlorofluoromethane	ug/kg	ND	5.0	03/05/24 12:41	
Vinyl acetate	ug/kg	ND	100	03/05/24 12:41	
Vinyl chloride	ug/kg	ND	5.0	03/05/24 12:41	
Xylene (Total)	ug/kg	ND	10.0	03/05/24 12:41	
4-Bromofluorobenzene (S)	%.	103	63-132	03/05/24 12:41	
Dibromofluoromethane (S)	%.	100	75-135	03/05/24 12:41	1d
Toluene-d8 (S)	%.	102	65-148	03/05/24 12:41	

LABORATORY CONTROL SAMPLE: 3563845

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	50	39.0	78	66-133	
1,1,2,2-Tetrachloroethane	ug/kg	50	41.9	84	62-131	
1,1-Dichloroethene	ug/kg	50	39.9	80	65-138	
1,2,4-Trimethylbenzene	ug/kg	50	40.7	81	61-130	
1,2-Dibromoethane (EDB)	ug/kg	50	39.6	79	74-131	
1,2-Dichloroethane	ug/kg	50	36.1	72	62-129	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Road Ranger 226
Pace Project No.: 50366942

LABORATORY CONTROL SAMPLE: 3563845

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloropropane	ug/kg	50	41.7	83	64-132	
1,3,5-Trimethylbenzene	ug/kg	50	42.4	85	62-127	
Benzene	ug/kg	50	44.3	89	65-128	
Chlorobenzene	ug/kg	50	41.3	83	69-124	
Chloroform	ug/kg	50	39.6	79	67-122	
cis-1,2-Dichloroethene	ug/kg	50	41.6	83	64-131	
Ethylbenzene	ug/kg	50	41.8	84	67-127	
Isopropylbenzene (Cumene)	ug/kg	50	42.4	85	67-128	
Methyl-tert-butyl ether	ug/kg	50	38.8	78	66-135	
n-Hexane	ug/kg	50	37.2	74	54-129	
Tetrachloroethene	ug/kg	50	41.2	82	62-135	
Toluene	ug/kg	50	42.2	84	65-123	
trans-1,2-Dichloroethene	ug/kg	50	41.6	83	63-131	
Trichloroethene	ug/kg	50	41.4	83	64-135	
Vinyl chloride	ug/kg	50	41.6	83	54-134	
Xylene (Total)	ug/kg	150	121	81	65-124	
4-Bromofluorobenzene (S)	%.			97	63-132	
Dibromofluoromethane (S)	%.			97	75-135	
Toluene-d8 (S)	%.			102	65-148	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Road Ranger 226
Pace Project No.: 50366942

QC Batch: 779676
QC Batch Method: EPA 3546
Analysis Method: EPA 8270 by SIM
Analysis Description: 8270 Soil PAH by SIM
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50366942001, 50366942002, 50366942003, 50366942004, 50366942005, 50366942006, 50366942007, 50366942008, 50366942009, 50366942010, 50366942011, 50366942012, 50366942013

METHOD BLANK: 3568200 Matrix: Solid
Associated Lab Samples: 50366942001, 50366942002, 50366942003, 50366942004, 50366942005, 50366942006, 50366942007, 50366942008, 50366942009, 50366942010, 50366942011, 50366942012, 50366942013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	ND	5.0	03/12/24 17:54	
2-Methylnaphthalene	ug/kg	ND	5.0	03/12/24 17:54	
Acenaphthene	ug/kg	ND	5.0	03/12/24 17:54	
Acenaphthylene	ug/kg	ND	5.0	03/12/24 17:54	
Anthracene	ug/kg	ND	5.0	03/12/24 17:54	
Benzo(a)anthracene	ug/kg	ND	5.0	03/12/24 17:54	
Benzo(a)pyrene	ug/kg	ND	5.0	03/12/24 17:54	
Benzo(b)fluoranthene	ug/kg	ND	5.0	03/12/24 17:54	
Benzo(g,h,i)perylene	ug/kg	ND	5.0	03/12/24 17:54	
Benzo(k)fluoranthene	ug/kg	ND	5.0	03/12/24 17:54	
Chrysene	ug/kg	ND	5.0	03/12/24 17:54	
Dibenz(a,h)anthracene	ug/kg	ND	5.0	03/12/24 17:54	
Fluoranthene	ug/kg	ND	5.0	03/12/24 17:54	
Fluorene	ug/kg	ND	5.0	03/12/24 17:54	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	5.0	03/12/24 17:54	
Naphthalene	ug/kg	ND	5.0	03/12/24 17:54	
Phenanthrene	ug/kg	ND	5.0	03/12/24 17:54	
Pyrene	ug/kg	ND	5.0	03/12/24 17:54	
2-Fluorobiphenyl (S)	%.	63	23-115	03/12/24 17:54	
p-Terphenyl-d14 (S)	%.	83	19-136	03/12/24 17:54	

LABORATORY CONTROL SAMPLE: 3568201

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	667	479	72	52-125	
2-Methylnaphthalene	ug/kg	667	459	69	52-123	
Acenaphthene	ug/kg	667	462	69	54-119	
Acenaphthylene	ug/kg	667	467	70	55-130	
Anthracene	ug/kg	667	454	68	58-120	
Benzo(a)anthracene	ug/kg	667	461	69	59-126	
Benzo(a)pyrene	ug/kg	667	516	77	58-133	
Benzo(b)fluoranthene	ug/kg	667	502	75	54-137	
Benzo(g,h,i)perylene	ug/kg	667	508	76	53-127	
Benzo(k)fluoranthene	ug/kg	667	541	81	54-126	
Chrysene	ug/kg	667	496	74	59-129	
Dibenz(a,h)anthracene	ug/kg	667	538	81	54-128	
Fluoranthene	ug/kg	667	510	76	58-137	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Road Ranger 226
Pace Project No.: 50366942

LABORATORY CONTROL SAMPLE: 3568201

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Fluorene	ug/kg	667	481	72	57-129	
Indeno(1,2,3-cd)pyrene	ug/kg	667	523	78	56-129	
Naphthalene	ug/kg	667	448	67	48-112	
Phenanthrene	ug/kg	667	477	71	57-125	
Pyrene	ug/kg	667	494	74	55-133	
2-Fluorobiphenyl (S)	%.			66	23-115	
p-Terphenyl-d14 (S)	%.			84	19-136	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3568202 3568203

Parameter	Units	50366942013 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1-Methylnaphthalene	ug/kg	ND	789	814	479	477	61	59	17-141	0	20	
2-Methylnaphthalene	ug/kg	ND	789	814	459	458	58	56	16-139	0	20	
Acenaphthene	ug/kg	ND	789	814	460	446	58	55	26-123	3	20	
Acenaphthylene	ug/kg	ND	789	814	462	450	59	55	16-125	3	20	
Anthracene	ug/kg	ND	789	814	424	402	54	49	13-133	5	20	
Benzo(a)anthracene	ug/kg	ND	789	814	419	379	53	47	10-148	10	20	
Benzo(a)pyrene	ug/kg	ND	789	814	460	411	58	51	10-133	11	20	
Benzo(b)fluoranthene	ug/kg	ND	789	814	434	384	55	47	10-155	12	20	
Benzo(g,h,i)perylene	ug/kg	ND	789	814	448	391	57	48	10-129	14	20	
Benzo(k)fluoranthene	ug/kg	ND	789	814	489	447	62	55	12-142	9	20	
Chrysene	ug/kg	ND	789	814	472	431	60	53	14-148	9	20	
Dibenz(a,h)anthracene	ug/kg	ND	789	814	508	438	64	54	10-131	15	20	
Fluoranthene	ug/kg	ND	789	814	456	421	58	52	10-154	8	20	
Fluorene	ug/kg	ND	789	814	471	449	60	55	26-134	5	20	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	789	814	458	401	58	49	10-136	13	20	
Naphthalene	ug/kg	ND	789	814	454	455	58	56	20-119	0	20	
Phenanthrene	ug/kg	ND	789	814	458	428	58	53	12-150	7	20	
Pyrene	ug/kg	ND	789	814	443	408	56	50	17-152	8	20	
2-Fluorobiphenyl (S)	%.						56	55	23-115			
p-Terphenyl-d14 (S)	%.						66	57	19-136			

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, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Road Ranger 226
Pace Project No.: 50366942

QC Batch: 779723
QC Batch Method: EPA 3546
Analysis Method: EPA 8270 by SIM
Analysis Description: 8270 Soil PAH by SIM
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50366942014, 50366942015, 50366942016, 50366942017, 50366942018

METHOD BLANK: 3568320 Matrix: Solid
Associated Lab Samples: 50366942014, 50366942015, 50366942016, 50366942017, 50366942018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	ND	5.0	03/12/24 23:41	
2-Methylnaphthalene	ug/kg	ND	5.0	03/12/24 23:41	
Acenaphthene	ug/kg	ND	5.0	03/12/24 23:41	
Acenaphthylene	ug/kg	ND	5.0	03/12/24 23:41	
Anthracene	ug/kg	ND	5.0	03/12/24 23:41	
Benzo(a)anthracene	ug/kg	ND	5.0	03/12/24 23:41	
Benzo(a)pyrene	ug/kg	ND	5.0	03/12/24 23:41	
Benzo(b)fluoranthene	ug/kg	ND	5.0	03/12/24 23:41	
Benzo(g,h,i)perylene	ug/kg	ND	5.0	03/12/24 23:41	
Benzo(k)fluoranthene	ug/kg	ND	5.0	03/12/24 23:41	
Chrysene	ug/kg	ND	5.0	03/12/24 23:41	
Dibenz(a,h)anthracene	ug/kg	ND	5.0	03/12/24 23:41	
Fluoranthene	ug/kg	ND	5.0	03/12/24 23:41	
Fluorene	ug/kg	ND	5.0	03/12/24 23:41	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	5.0	03/12/24 23:41	
Naphthalene	ug/kg	ND	5.0	03/12/24 23:41	
Phenanthrene	ug/kg	ND	5.0	03/12/24 23:41	
Pyrene	ug/kg	ND	5.0	03/12/24 23:41	
2-Fluorobiphenyl (S)	%.	60	23-115	03/12/24 23:41	
p-Terphenyl-d14 (S)	%.	79	19-136	03/12/24 23:41	

LABORATORY CONTROL SAMPLE: 3568321

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	667	404	61	52-125	
2-Methylnaphthalene	ug/kg	667	388	58	52-123	
Acenaphthene	ug/kg	667	392	59	54-119	
Acenaphthylene	ug/kg	667	395	59	55-130	
Anthracene	ug/kg	667	404	61	58-120	
Benzo(a)anthracene	ug/kg	667	410	61	59-126	
Benzo(a)pyrene	ug/kg	667	462	69	58-133	
Benzo(b)fluoranthene	ug/kg	667	443	66	54-137	
Benzo(g,h,i)perylene	ug/kg	667	458	69	53-127	
Benzo(k)fluoranthene	ug/kg	667	493	74	54-126	
Chrysene	ug/kg	667	452	68	59-129	
Dibenz(a,h)anthracene	ug/kg	667	482	72	54-128	
Fluoranthene	ug/kg	667	449	67	58-137	
Fluorene	ug/kg	667	408	61	57-129	
Indeno(1,2,3-cd)pyrene	ug/kg	667	468	70	56-129	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Road Ranger 226
Pace Project No.: 50366942

LABORATORY CONTROL SAMPLE: 3568321

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Naphthalene	ug/kg	667	371	56	48-112	
Phenanthrene	ug/kg	667	414	62	57-125	
Pyrene	ug/kg	667	435	65	55-133	
2-Fluorobiphenyl (S)	%.			59	23-115	
p-Terphenyl-d14 (S)	%.			77	19-136	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3568322 3568323

Parameter	Units	50366942014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1-Methylnaphthalene	ug/kg	ND	722	722	374	346	52	48	17-141	8	20	
2-Methylnaphthalene	ug/kg	ND	722	722	361	333	50	46	16-139	8	20	
Acenaphthene	ug/kg	ND	722	722	354	332	49	46	26-123	7	20	
Acenaphthylene	ug/kg	ND	722	722	367	347	51	48	16-125	6	20	
Anthracene	ug/kg	ND	722	722	364	347	50	48	13-133	5	20	
Benzo(a)anthracene	ug/kg	ND	722	722	372	369	52	51	10-148	1	20	
Benzo(a)pyrene	ug/kg	ND	722	722	411	407	57	56	10-133	1	20	
Benzo(b)fluoranthene	ug/kg	ND	722	722	370	356	51	49	10-155	4	20	
Benzo(g,h,i)perylene	ug/kg	ND	722	722	398	398	55	55	10-129	0	20	
Benzo(k)fluoranthene	ug/kg	ND	722	722	457	460	63	64	12-142	1	20	
Chrysene	ug/kg	ND	722	722	444	445	61	62	14-148	0	20	
Dibenz(a,h)anthracene	ug/kg	ND	722	722	471	484	65	67	10-131	3	20	
Fluoranthene	ug/kg	ND	722	722	380	366	53	51	10-154	4	20	
Fluorene	ug/kg	ND	722	722	375	351	52	49	26-134	7	20	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	722	722	406	403	56	56	10-136	1	20	
Naphthalene	ug/kg	ND	722	722	366	341	51	47	20-119	7	20	
Phenanthrene	ug/kg	ND	722	722	376	354	52	49	12-150	6	20	
Pyrene	ug/kg	ND	722	722	372	356	52	49	17-152	4	20	
2-Fluorobiphenyl (S)	%.						56	50	23-115			
p-Terphenyl-d14 (S)	%.						71	70	19-136			

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, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Road Ranger 226
Pace Project No.: 50366942

QC Batch: 779343
QC Batch Method: SM 2540G
Analysis Method: SM 2540G
Analysis Description: Dry Weight/Percent Moisture
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50366942001, 50366942002, 50366942003, 50366942004

SAMPLE DUPLICATE: 3566517

Parameter	Units	10684965027 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	20.0	19.9	0	10	N2

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, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Road Ranger 226
Pace Project No.: 50366942

QC Batch: 779590
QC Batch Method: SM 2540G
Analysis Method: SM 2540G
Analysis Description: Dry Weight/Percent Moisture
Laboratory: Pace Analytical Services - Indianapolis

Associated Lab Samples: 50366942005, 50366942006, 50366942007, 50366942008, 50366942009, 50366942010, 50366942011, 50366942012, 50366942013, 50366942014, 50366942015, 50366942016, 50366942017, 50366942018

SAMPLE DUPLICATE: 3567963

Parameter	Units	50366942013 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	20.2	23.2	14	10	N2,R1

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, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: Road Ranger 226
Pace Project No.: 50366942

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.

TNTC - Too Numerous To Count

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 - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

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.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

1d	Neither matrix spike nor matrix precision data could be provided for this analytical batch due to insufficient sample volume.
M3	Matrix spike recovery was outside laboratory control limits due to matrix interferences.
N2	The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.
R1	RPD value was outside control limits.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Road Ranger 226
Pace Project No.: 50366942

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50366942001	**B-10 (10-12)**	EPA 3050	778157	EPA 6010	779682
50366942002	**B-10 (14-16)**	EPA 3050	778157	EPA 6010	779682
50366942003	**B-11 (10-12)**	EPA 3050	778157	EPA 6010	779682
50366942004	**B-11 (14-16)**	EPA 3050	778157	EPA 6010	779682
50366942005	**B-11 (18-20)**	EPA 3050	778157	EPA 6010	779682
50366942006	**B-12 (6-8)**	EPA 3050	778157	EPA 6010	779682
50366942007	**B-12 (10-12)**	EPA 3050	778157	EPA 6010	779682
50366942008	**B-12 (14-16)**	EPA 3050	778157	EPA 6010	779682
50366942009	**B-13 (2-4)**	EPA 3050	778157	EPA 6010	779682
50366942010	**B-13 (8-10)**	EPA 3050	778157	EPA 6010	779682
50366942011	**B-13 (14-16)**	EPA 3050	778157	EPA 6010	779682
50366942012	**B-14 (2-4)**	EPA 3050	778157	EPA 6010	779682
50366942013	**B-14 (8-10)**	EPA 3050	778157	EPA 6010	779682
50366942014	**B-14 (14-16)**	EPA 3050	778157	EPA 6010	779682
50366942015	**B-15 (12-14)**	EPA 3050	778157	EPA 6010	779682
50366942016	**B-15 (14-16)**	EPA 3050	778157	EPA 6010	779682
50366942017	**B-15 (18-20)**	EPA 3050	778157	EPA 6010	779682
50366942018	**DUP-SL**	EPA 3050	778157	EPA 6010	779682
50366942001	**B-10 (10-12)**	EPA 3546	779676	EPA 8270 by SIM	779820
50366942002	**B-10 (14-16)**	EPA 3546	779676	EPA 8270 by SIM	779820
50366942003	**B-11 (10-12)**	EPA 3546	779676	EPA 8270 by SIM	779820
50366942004	**B-11 (14-16)**	EPA 3546	779676	EPA 8270 by SIM	779820
50366942005	**B-11 (18-20)**	EPA 3546	779676	EPA 8270 by SIM	779820
50366942006	**B-12 (6-8)**	EPA 3546	779676	EPA 8270 by SIM	779820
50366942007	**B-12 (10-12)**	EPA 3546	779676	EPA 8270 by SIM	779820
50366942008	**B-12 (14-16)**	EPA 3546	779676	EPA 8270 by SIM	779820
50366942009	**B-13 (2-4)**	EPA 3546	779676	EPA 8270 by SIM	779820
50366942010	**B-13 (8-10)**	EPA 3546	779676	EPA 8270 by SIM	779820
50366942011	**B-13 (14-16)**	EPA 3546	779676	EPA 8270 by SIM	779820
50366942012	**B-14 (2-4)**	EPA 3546	779676	EPA 8270 by SIM	779820
50366942013	**B-14 (8-10)**	EPA 3546	779676	EPA 8270 by SIM	779820
50366942014	**B-14 (14-16)**	EPA 3546	779723	EPA 8270 by SIM	779826
50366942015	**B-15 (12-14)**	EPA 3546	779723	EPA 8270 by SIM	779826
50366942016	**B-15 (14-16)**	EPA 3546	779723	EPA 8270 by SIM	779826
50366942017	**B-15 (18-20)**	EPA 3546	779723	EPA 8270 by SIM	779826
50366942018	**DUP-SL**	EPA 3546	779723	EPA 8270 by SIM	779826
50366942001	**B-10 (10-12)**	EPA 8260	778559		
50366942002	**B-10 (14-16)**	EPA 8260	778562		
50366942003	**B-11 (10-12)**	EPA 8260	778562		
50366942004	**B-11 (14-16)**	EPA 8260	778562		
50366942005	**B-11 (18-20)**	EPA 8260	778762		
50366942006	**B-12 (6-8)**	EPA 8260	778762		
50366942007	**B-12 (10-12)**	EPA 8260	778762		
50366942008	**B-12 (14-16)**	EPA 8260	778762		
50366942009	**B-13 (2-4)**	EPA 8260	778762		
50366942010	**B-13 (8-10)**	EPA 8260	778762		

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Road Ranger 226
Pace Project No.: 50366942

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50366942011	**B-13 (14-16)**	EPA 8260	778762		
50366942012	**B-14 (2-4)**	EPA 8260	778762		
50366942013	**B-14 (8-10)**	EPA 8260	778559		
50366942014	**B-14 (14-16)**	EPA 8260	778762		
50366942015	**B-15 (12-14)**	EPA 8260	778762		
50366942016	**B-15 (14-16)**	EPA 8260	778762		
50366942017	**B-15 (18-20)**	EPA 8260	778762		
50366942018	**DUP-SL**	EPA 8260	778762		
50366942019	**TB-SL**	EPA 8260	778762		
50366942001	**B-10 (10-12)**	SM 2540G	779343		
50366942002	**B-10 (14-16)**	SM 2540G	779343		
50366942003	**B-11 (10-12)**	SM 2540G	779343		
50366942004	**B-11 (14-16)**	SM 2540G	779343		
50366942005	**B-11 (18-20)**	SM 2540G	779590		
50366942006	**B-12 (6-8)**	SM 2540G	779590		
50366942007	**B-12 (10-12)**	SM 2540G	779590		
50366942008	**B-12 (14-16)**	SM 2540G	779590		
50366942009	**B-13 (2-4)**	SM 2540G	779590		
50366942010	**B-13 (8-10)**	SM 2540G	779590		
50366942011	**B-13 (14-16)**	SM 2540G	779590		
50366942012	**B-14 (2-4)**	SM 2540G	779590		
50366942013	**B-14 (8-10)**	SM 2540G	779590		
50366942014	**B-14 (14-16)**	SM 2540G	779590		
50366942015	**B-15 (12-14)**	SM 2540G	779590		
50366942016	**B-15 (14-16)**	SM 2540G	779590		
50366942017	**B-15 (18-20)**	SM 2540G	779590		
50366942018	**DUP-SL**	SM 2540G	779590		

Pace

CHAIN-OF-CUSTODY

WO# : 50366942

50366942

The Chain-of-Custody is a LEGAL

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms

rms.pdf.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Informatic	
Company:	Atlas Indianapolis	Report To:	Phil Schlak	Attention:	
Address:	7988 Centerpoint Drive	Copy To:		Company Name:	
Suite 100, Indianapolis, IN 46256				Address:	
Email:	phil.schlak@atcgs.com	Purchase Order #:		Pace Quote:	
Phone:	317-579-4033 Fax:	Project Name:	Road Ranger 226	Pace Project Manager:	will.statz@pacelabs.com,
Requested Due Date:	STD	Project #:	170EM01168	Pace Profile #:	3374/6

Regulatory Agency
State / Location
IN

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

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other DI H2O	Analyses Test Y/N	VOC by 8260	PAH by 8270	Lead by 6010	Residual Chlorine (Y/N)	
1	B-10 (10-12)	SL	G			2/27/24	1110		5	X						X	X		X	X	X		001
2	B-10 (14-16)						1115																002
3	B-11 (10-12)						1205																003
4	B-11 (14-16)						1210																004
5	B-11 (18-20)						1215																005
6	B-12 (6-8)						1320																006
7	B-12 (10-12)						1325																007
8	B-12 (14-16)						1330																008
9	B-13 (2-4)						1425																009
10	B-13 (8-10)						1430																010
11	B-13 (14-16)						1435																011
12	B-14 (2-4)						1525																012

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
VOC 8260 - Terracore has a 48 Hour SH time	Katie Van Hoy / Atlas	2/28/24	1252	Pace	2/28/24	1252				
	Pace	2/28/24	1430	Matt	2/28/24	1430	1.8	Y	N	Y

SAMPLER NAME AND SIGNATURE			TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Katie Van Hoy					
SIGNATURE of SAMPLER:	Katie Van Hoy	DATE Signed: 2/27/24				

CHAIN-OF-CUSTODY / Analytical Request Document

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

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at https://info.pacelabs.com/hubfs/pas-standard-terms.pdf.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Atlas Indianapolis	Report To:	Phil Schlak	Attention:	
Address:	7988 Centerpoint Drive	Copy To:		Company Name:	
	Suite 100, Indianapolis, IN 46256			Address:	
Email:	phil.schlak@atcgs.com	Purchase Order #:		Pace Quote:	
Phone:	317-579-4033 Fax:	Project Name:	Road Ranger 226	Pace Project Manager:	will.statz@pacelabs.com,
Requested Due Date:	STD	Project #:	170EM011668	Pace Profile #:	3374/6

Regulatory Agency	State / Location
	IN

SAMPLE ID
One Character per box.
(A-Z, 0-9 / , -)
Sample Ids must be unique

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other DI H2O	Analyses Test Y/N	VOC by 8260	PAH by 8270	Lead by 6010	Residual Chlorine (Y/N)	
1	B-14 (8-10)	SL	G			2/28/24	1530		15	X						X	X		X	X	X		013
2	B-14 (14-16)						1535		5														014
3	B-15 (12-14)						1635		5														015
4	B-15 (14-16)						1640		5														016
5	B-15 (18-20)						1645		5														017
6	DUP-SL						—		5														018
7	TB-SL						915		3							1	2						019
8																							
9																							
10																							
11																							
12																							

Requested Analysis Filtered (Y/N)

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
VOC 8260 - Terracore has a 48 Hour SH time	Katie VanHoy / Atlas	2/28/24	1252	[signature] Pace	2/28/24	1252				
	[signature] Pace	2/28/24	1430	[signature]	2/28/24	1430	1.8	Y	N	Y

SAMPLER NAME AND SIGNATURE				
PRINT Name of SAMPLER:	Katie Van Hoy			
SIGNATURE of SAMPLER:	Katie Van Hoy	DATE Signed:	2/27/24	

TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: 2/28/24 1549 MW

1. **Courier:** ☐ FED EX ☐ UPS ☐ CLIENT ☑ PACE ☐ NOW/JETT ☐ OTHER _____

2. **Custody Seal on Cooler/Box Present:** ☐ Yes ☑ No

(If yes)**Seals Intact:** ☐ Yes ☐ No **(leave blank if no seals were present)**

3. **Thermometer:** 1 2 3 4 5 6 7 8 A B (C) D E F G H

4. **Cooler Temperature(s):** 1.7 / 1.8 (Initial/Corrected) RECORD TEMPS OF ALL COOLERS RECEIVED (use Comments below to add more)

5. **Packing Material:** ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other _____

6. **Ice Type:** ☑ Wet ☐ Blue ☐ None

7. **If temp. is over 6°C or under 0°C, was the PM notified?:** ☐ Yes ☐ No
Cooler temp should be above freezing to 6°C

All discrepancies will be written out in the comments section below.

	Yes	No		Yes	No	N/A
USDA Regulated Soils? (HI, ID, NY, WA, OR,CA, NM, TX, OK, AR, LA, TN, AL, MS, NC, SC, GA, FL, or Puerto Rico)		✓	All containers needing acid/base preservation have been pH CHECKED?: **Exceptions: VOA, coliform, LLHg, O&G, RAD CHEM, and any container with a septum cap or preserved with HCl.** **Circle: HNO3 (<2) H2SO4 (<2) NaOH (>10) NaOH/ZnAc (>9)** Any non-conformance to pH recommendations will be noted on the container count form			✓
Short Hold Time Analysis (48 hours or less)? Analysis: DI TC	✓					
Time 5035A TC placed in Freezer or Short Holds To Lab	Time: 1547			Present	Absent	N/A
			Residual Chlorine Check (SVOC 625 Pest/PCB 608)			✓
Rush TAT Requested (4 days or less):		✓	Residual Chlorine Check (Total/Amenable/Free Cyanide)			✓
Custody Signatures Present?	✓		Headspace Wisconsin Sulfide?		✓	
Containers Intact?:	✓		Headspace in VOA Vials (>6mm): See Containter Count form for details	Present	Absent ✓	No VOA Vials Sent
Sample Label (IDs/Dates/Times) Match COC?: Except TCs, which only require sample ID	✓		Trip Blank Present?	✓		
Extra labels on Terracore Vials? (soils only)			Trip Blank Custody Seals?:	✓		

COMMENTS:

COC PAGE 1 **of** 2

Sample Container Count

** Place a RED dot on containers that are out of conformance **

COC Line Item	WGFU	WGKU BG1U	MeOH (only) SBS (DI) R	DG9H VG9H	VOA VIAL HS >6mm	VG9U DG9U	VG9T	AMBER GLASS: AG0U	AG1H	AG1U	AG3U	AG3S	AG3SF	AG3B	PLASTIC: BP1U	BP1N	BP2U	BP3U	BP3N	BP3F	BP3S	BP3B	BP3Z	OTHER: CG3H	CG3F	Syringe Kit		Matrix	Nitric Red HNO3 <2	Sulfuric Yellow H2SO4 <2	Sodium Hydroxide Green NaOH >10	Sodium Hydroxide/ ZnAc Black NaOH/Zn Ac >9
1	1		4																									SL				
2																																
3																																
4																																
5																																
6																																
7																																
8																																
9																																
10																																
11																																
12																																

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	glass
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass
DG9S	40mL H2SO4 amber vial	CG3U	250mL Unpres Clear Glass
DG9T	40mL Na Thio amber vial	AG0U	100mL unpres amber glass
DG9U	40mL unpreserved amber vial	AG1H	1L HCl amber glass
VG9H	40mL HCl clear vial	AG1S	1L H2SO4 amber glass
VG9T	40mL Na Thio. clear vial	AG1T	1L Na Thiosulfate amber glass
VG9U	40mL unpreserved clear vial	AG1U	1liter unpres amber glass
I	40mL w/hexane wipe vial	AG2N	500mL HNO3 amber glass
WGKU	8oz unpreserved clear jar	AG2S	500mL H2SO4 amber glass
WGFU	4oz clear soil jar	AG2U	500mL unpres amber glass
JGFU	4oz unpreserved amber wide	AG3S	250mL H2SO4 amber glass
CG3H	250mL clear glass HCl	AG3SF	250mL H2SO4 amb glass -field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3U	250mL unpres amber glass
BG1H	1L HCl clear glass	AG3B	250mL NaOH amber glass
BG1S	1L H2SO4 clear glass		

Plastic

BP1B	1L NaOH plastic	BP4U	125mL unpreserved plastic
BP1N	1L HNO3 plastic	BP4N	125mL HNO3 plastic
BP1S	1L H2SO4 plastic	BP4S	125mL H2SO4 plastic
BP1U	1L unpreserved plastic		
BP1Z	1L NaOH, Zn, Ac		
BP2N	500mL HNO3 plastic		
BP2C	500mL NaOH plastic		
BP2S	500mL H2SO4 plastic		
BP2U	500mL unpreserved plastic		
BP2Z	500mL NaOH, Zn Ac		
BP3B	250mL NaOH plastic		
BP3N	250mL HNO3 plastic		
BP3F	250mL HNO3 plastic-field filtered		
BP3U	250mL unpreserved plastic		
BP3S	250mL H2SO4 plastic		
BP3Z	250mL NaOH, ZnAc plastic		
BP3R	250mL Unpres. FF SO4/OH buffer		

Miscellaneous

Syringe Kit	LL Cr+6 sampling kit
ZPLC	Ziploc Bag
R	Terracore Kit
SP5T	120mL Coliform Sodium Thiosulfate
GN	General Container
U	Summa Can (air sample)
WT	Water
SL	Solid
OL:	Oil
NAL	Non-aqueous liquid
WP	Wipe

COC PAGE 2 of 2

Sample Container Count

** Place a RED dot on containers that are out of conformance **

								AMBER GLASS							PLASTIC									OTHER							
			MeOH (only)																											
			SBS																											
			DI																											
COC Line Item	WGFU	WGKU BG1U	R	DG9H VG9H	VOA VIAL HS >6mm	VG9U DG9U	VG9T	AG0U	AG1H	AG1U	AG3U	AG3S	AG3SF	AG3B	BP1U	BP1N	BP2U	BP3U	BP3N	BP3F	BP3S	BP3B	BP3Z	CG3H	CG3F	Syringe Kit		Matrix	Nitric Red HNO3 <2	Sulfuric Yellow H2SO4 <2	Sodium Hydroxide Green NaOH >10	Sodium Hydroxide/ ZnAc Black NaOH/Zn Ac >9
1	3		12																								SL				
2	1		4																												
3																															
4																															
5																															
6																															
7			3																												
8																															
9																															
10																															
11																															
12																															

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	glass
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass
DG9S	40mL H2SO4 amber vial	CG3U	250mL Unpres Clear Glass
DG9T	40mL Na Thio amber vial	AG0U	100mL unpres amber glass
DG9U	40mL unpreserved amber vial	AG1H	1L HCl amber glass
VG9H	40mL HCl clear vial	AG1S	1L H2SO4 amber glass
VG9T	40mL Na Thio. clear vial	AG1T	1L Na Thiosulfate amber glass
VG9U	40mL unpreserved clear vial	AG1U	1liter unpres amber glass
I	40mL w/hexane wipe vial	AG2N	500mL HNO3 amber glass
WGKU	8oz unpreserved clear jar	AG2S	500mL H2SO4 amber glass
WGFU	4oz clear soil jar	AG2U	500mL unpres amber glass
JGFU	4oz unpreserved amber wide	AG3S	250mL H2SO4 amber glass
CG3H	250mL clear glass HCl	AG3SF	250mL H2SO4 amb glass -field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3U	250mL unpres amber glass
BG1H	1L HCl clear glass	AG3B	250mL NaOH amber glass
BG1S	1L H2SO4 clear glass		

Plastic

BP1B	1L NaOH plastic	BP4U	125mL unpreserved plastic
BP1N	1L HNO3 plastic	BP4N	125mL HNO3 plastic
BP1S	1L H2SO4 plastic	BP4S	125mL H2SO4 plastic
BP1U	1L unpreserved plastic		
BP1Z	1L NaOH, Zn, Ac		
BP2N	500mL HNO3 plastic		
BP2C	500mL NaOH plastic		
BP2S	500mL H2SO4 plastic		
BP2U	500mL unpreserved plastic		
BP2Z	500mL NaOH, Zn Ac		
BP3B	250mL NaOH plastic		
BP3N	250mL HNO3 plastic		
BP3F	250mL HNO3 plastic-field filtered		
BP3U	250mL unpreserved plastic		
BP3S	250mL H2SO4 plastic		
BP3Z	250mL NaOH, ZnAc plastic		
BP3R	250mL Unpres. FF SO4/OH buffer		

Miscellaneous

Syringe Kit	LL Cr+6 sampling kit
ZPLC	Ziploc Bag
R	Terracore Kit
SP5T	120mL Coliform Sodium Thiosulfate
GN	General Container
U	Summa Can (air sample)
WT	Water
SL	Solid
OL:	Oil
NAL	Non-aqueous liquid
WP	Wipe

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

March 08, 2024

Mr. Phil Schlak
ATC Associates, Inc.
7988 Centerpoint Drive
Suite 100
Indianapolis, IN 46256

RE: Project: Road Ranger 226
Pace Project No.: 50366965

Dear Mr. Schlak:

Enclosed are the analytical results for sample(s) received by the laboratory on February 28, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Indianapolis

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

Sincerely,

Will Statz
will.statz@pacelabs.com
(317)228-3105
Project Manager

Enclosures

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

CERTIFICATIONS

Project: Road Ranger 226
Pace Project No.: 50366965

Pace Analytical Services Indianapolis

7726 Moller Road, Indianapolis, IN 46268
Illinois Accreditation #: 200074
Indiana Drinking Water Laboratory #: C-49-06
Kansas/TNI Certification #: E-10177
Kentucky UST Agency Interest #: 80226
Kentucky WW Laboratory ID #: 98019
Michigan Drinking Water Laboratory #9050
Ohio VAP Certified Laboratory #: CL0065
Oklahoma Laboratory #: 9204
Texas Certification #: T104704355
Washington Dept of Ecology #: C1081
Wisconsin Laboratory #: 999788130
USDA Foreign Soil Permit #: 525-23-13-23119
USDA Compliance Agreement #: IN-SL-22-001

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

SAMPLE SUMMARY

Project: Road Ranger 226
Pace Project No.: 50366965

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50366965001	**B-10-WT**	Water	02/27/24 17:35	02/28/24 14:30
50366965002	**B-11-WT**	Water	02/27/24 17:45	02/28/24 14:30
50366965003	**B-12-WT**	Water	02/27/24 18:05	02/28/24 14:30
50366965004	**B-13-WT**	Water	02/27/24 18:35	02/28/24 14:30
50366965005	**B-14-WT**	Water	02/27/24 18:45	02/28/24 14:30
50366965006	**B-15-WT**	Water	02/27/24 18:55	02/28/24 14:30
50366965007	**Dup-WT**	Water	02/27/24 08:00	02/28/24 14:30
50366965008	**TB-WT**	Water	02/27/24 17:20	02/28/24 14:30

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

SAMPLE ANALYTE COUNT

Project: Road Ranger 226
Pace Project No.: 50366965

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50366965001	**B-10-WT**	EPA 6010	JPK	1	PASI-I
		EPA 8270 by SIM 40E	GRM	20	PASI-I
		EPA 8260	TAY	73	PASI-I
50366965002	**B-11-WT**	EPA 6010	JPK	1	PASI-I
		EPA 8270 by SIM 40E	GRM	20	PASI-I
		EPA 8260	TAY	73	PASI-I
50366965003	**B-12-WT**	EPA 6010	JPK	1	PASI-I
		EPA 8270 by SIM 40E	GRM	20	PASI-I
		EPA 8260	TAY	73	PASI-I
50366965004	**B-13-WT**	EPA 6010	JPK	1	PASI-I
		EPA 8270 by SIM 40E	GRM	20	PASI-I
		EPA 8260	TAY	73	PASI-I
50366965005	**B-14-WT**	EPA 6010	JPK	1	PASI-I
		EPA 8270 by SIM 40E	GRM	20	PASI-I
		EPA 8260	TAY	73	PASI-I
50366965006	**B-15-WT**	EPA 6010	JPK	1	PASI-I
		EPA 8270 by SIM 40E	GRM	20	PASI-I
		EPA 8260	TAY	73	PASI-I
50366965007	**Dup-WT**	EPA 6010	JPK	1	PASI-I
		EPA 8270 by SIM 40E	GRM	20	PASI-I
		EPA 8260	TAY	73	PASI-I
50366965008	**TB-WT**	EPA 8260	TAY	73	PASI-I

PASI-I = Pace Analytical Services - Indianapolis

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: Road Ranger 226
Pace Project No.: 50366965

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50366965001	**B-10-WT**					
EPA 8270 by SIM 40E	Acenaphthene	11.0	ug/L	5.0	03/07/24 18:58	
EPA 8270 by SIM 40E	Fluorene	14.4	ug/L	5.0	03/07/24 18:58	
EPA 8270 by SIM 40E	1-Methylnaphthalene	56.3	ug/L	5.0	03/07/24 18:58	
EPA 8270 by SIM 40E	2-Methylnaphthalene	29.9	ug/L	5.0	03/07/24 18:58	
EPA 8270 by SIM 40E	Phenanthrene	23.7	ug/L	5.0	03/07/24 18:58	
EPA 8270 by SIM 40E	Pyrene	32.3	ug/L	5.0	03/07/24 18:58	
EPA 8260	Acetone	515	ug/L	100	03/04/24 16:28	
EPA 8260	2-Butanone (MEK)	60.3	ug/L	25.0	03/04/24 16:28	
EPA 8260	1,2,4-Trimethylbenzene	37.9	ug/L	5.0	03/04/24 16:28	
EPA 8260	1,3,5-Trimethylbenzene	25.2	ug/L	5.0	03/04/24 16:28	
50366965002	**B-11-WT**					
EPA 8270 by SIM 40E	Acenaphthene	149	ug/L	49.4	03/07/24 19:09	
EPA 8270 by SIM 40E	Fluoranthene	83.9	ug/L	49.4	03/07/24 19:09	
EPA 8270 by SIM 40E	Fluorene	191	ug/L	49.4	03/07/24 19:09	
EPA 8270 by SIM 40E	1-Methylnaphthalene	860	ug/L	49.4	03/07/24 19:09	
EPA 8270 by SIM 40E	2-Methylnaphthalene	580	ug/L	49.4	03/07/24 19:09	
EPA 8270 by SIM 40E	Phenanthrene	333	ug/L	49.4	03/07/24 19:09	
EPA 8270 by SIM 40E	Pyrene	533	ug/L	49.4	03/07/24 19:09	
EPA 8260	sec-Butylbenzene	16.8	ug/L	5.0	03/04/24 16:58	
EPA 8260	p-Isopropyltoluene	25.1	ug/L	5.0	03/04/24 16:58	
EPA 8260	1,2,4-Trimethylbenzene	125	ug/L	5.0	03/04/24 16:58	
EPA 8260	1,3,5-Trimethylbenzene	62.2	ug/L	5.0	03/04/24 16:58	
50366965003	**B-12-WT**					
EPA 6010	Lead	24.5	ug/L	10.0	03/07/24 23:25	
EPA 8270 by SIM 40E	Acenaphthene	11.6	ug/L	5.0	03/07/24 19:20	
EPA 8270 by SIM 40E	Fluorene	12.6	ug/L	5.0	03/07/24 19:20	
EPA 8270 by SIM 40E	1-Methylnaphthalene	29.3	ug/L	5.0	03/07/24 19:20	
EPA 8270 by SIM 40E	Pyrene	48.6	ug/L	5.0	03/07/24 19:20	
50366965005	**B-14-WT**					
EPA 6010	Lead	66.2	ug/L	50.0	03/07/24 23:33	
50366965006	**B-15-WT**					
EPA 6010	Lead	10.1	ug/L	10.0	03/07/24 23:38	
EPA 8270 by SIM 40E	Acenaphthene	200	ug/L	49.8	03/04/24 23:19	
EPA 8270 by SIM 40E	Chrysene	52.6	ug/L	24.9	03/04/24 23:19	
EPA 8270 by SIM 40E	Fluoranthene	109	ug/L	49.8	03/04/24 23:19	
EPA 8270 by SIM 40E	Fluorene	245	ug/L	49.8	03/04/24 23:19	
EPA 8270 by SIM 40E	1-Methylnaphthalene	565	ug/L	49.8	03/04/24 23:19	
EPA 8270 by SIM 40E	2-Methylnaphthalene	231	ug/L	49.8	03/04/24 23:19	
EPA 8270 by SIM 40E	Phenanthrene	517	ug/L	49.8	03/04/24 23:19	
EPA 8270 by SIM 40E	Pyrene	832	ug/L	49.8	03/04/24 23:19	
EPA 8260	p-Isopropyltoluene	5.4	ug/L	5.0	03/04/24 18:29	
EPA 8260	1,2,4-Trimethylbenzene	7.0	ug/L	5.0	03/04/24 18:29	
EPA 8260	1,3,5-Trimethylbenzene	13.5	ug/L	5.0	03/04/24 18:29	

REPORT OF LABORATORY ANALYSIS

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

SUMMARY OF DETECTION

Project: Road Ranger 226
Pace Project No.: 50366965

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50366965007	**Dup-WT**					
EPA 8270 by SIM 40E	Acenaphthene	150	ug/L	49.8	03/04/24 23:30	
EPA 8270 by SIM 40E	Chrysene	40.8	ug/L	24.9	03/04/24 23:30	
EPA 8270 by SIM 40E	Fluoranthene	79.5	ug/L	49.8	03/04/24 23:30	
EPA 8270 by SIM 40E	Fluorene	188	ug/L	49.8	03/04/24 23:30	
EPA 8270 by SIM 40E	1-Methylnaphthalene	450	ug/L	49.8	03/04/24 23:30	
EPA 8270 by SIM 40E	2-Methylnaphthalene	185	ug/L	49.8	03/04/24 23:30	
EPA 8270 by SIM 40E	Phenanthrene	374	ug/L	49.8	03/04/24 23:30	
EPA 8270 by SIM 40E	Pyrene	643	ug/L	49.8	03/04/24 23:30	
EPA 8260	p-Isopropyltoluene	8.6	ug/L	5.0	03/04/24 19:00	
EPA 8260	1,2,4-Trimethylbenzene	10	ug/L	5.0	03/04/24 19:00	
EPA 8260	1,3,5-Trimethylbenzene	19.5	ug/L	5.0	03/04/24 19:00	
50366965008	**TB-WT**					
EPA 8260	Chloroethane	6.6	ug/L	5.0	03/01/24 16:09	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50366965

Sample: B-10-WT **Lab ID: 50366965001** Collected: 02/27/24 17:35 Received: 02/28/24 14:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis							
Lead	ND	ug/L	10.0	1	03/07/24 08:09	03/07/24 23:22	7439-92-1	
8270 PAH by 3511	Analytical Method: EPA 8270 by SIM 40E Preparation Method: EPA 3511 Pace Analytical Services - Indianapolis							
Acenaphthene	**11.0**	ug/L	5.0	5	03/01/24 13:46	03/07/24 18:58	83-32-9	
Acenaphthylene	ND	ug/L	5.0	5	03/01/24 13:46	03/07/24 18:58	208-96-8	
Anthracene	ND	ug/L	0.50	5	03/01/24 13:46	03/07/24 18:58	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.50	5	03/01/24 13:46	03/07/24 18:58	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.50	5	03/01/24 13:46	03/07/24 18:58	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.50	5	03/01/24 13:46	03/07/24 18:58	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.50	5	03/01/24 13:46	03/07/24 18:58	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.50	5	03/01/24 13:46	03/07/24 18:58	207-08-9	
Chrysene	ND	ug/L	2.5	5	03/01/24 13:46	03/07/24 18:58	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.50	5	03/01/24 13:46	03/07/24 18:58	53-70-3	
Fluoranthene	ND	ug/L	5.0	5	03/01/24 13:46	03/07/24 18:58	206-44-0	
Fluorene	**14.4**	ug/L	5.0	5	03/01/24 13:46	03/07/24 18:58	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.50	5	03/01/24 13:46	03/07/24 18:58	193-39-5	
1-Methylnaphthalene	**56.3**	ug/L	5.0	5	03/01/24 13:46	03/07/24 18:58	90-12-0	
2-Methylnaphthalene	**29.9**	ug/L	5.0	5	03/01/24 13:46	03/07/24 18:58	91-57-6	
Naphthalene	ND	ug/L	5.0	5	03/01/24 13:46	03/07/24 18:58	91-20-3	D3
Phenanthrene	**23.7**	ug/L	5.0	5	03/01/24 13:46	03/07/24 18:58	85-01-8	
Pyrene	**32.3**	ug/L	5.0	5	03/01/24 13:46	03/07/24 18:58	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	94	%.	45-127	5	03/01/24 13:46	03/07/24 18:58	321-60-8	
p-Terphenyl-d14 (S)	113	%.	75-157	5	03/01/24 13:46	03/07/24 18:58	1718-51-0	
8260/5030 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Indianapolis							
Acetone	**515**	ug/L	100	1		03/04/24 16:28	67-64-1	
Acrolein	ND	ug/L	50.0	1		03/04/24 16:28	107-02-8	
Acrylonitrile	ND	ug/L	100	1		03/04/24 16:28	107-13-1	
Benzene	ND	ug/L	5.0	1		03/04/24 16:28	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		03/04/24 16:28	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		03/04/24 16:28	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		03/04/24 16:28	75-27-4	
Bromoform	ND	ug/L	5.0	1		03/04/24 16:28	75-25-2	
Bromomethane	ND	ug/L	5.0	1		03/04/24 16:28	74-83-9	
2-Butanone (MEK)	**60.3**	ug/L	25.0	1		03/04/24 16:28	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		03/04/24 16:28	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		03/04/24 16:28	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		03/04/24 16:28	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		03/04/24 16:28	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		03/04/24 16:28	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		03/04/24 16:28	108-90-7	
Chloroethane	ND	ug/L	5.0	1		03/04/24 16:28	75-00-3	
Chloroform	ND	ug/L	5.0	1		03/04/24 16:28	67-66-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50366965

Sample: B-10-WT **Lab ID: 50366965001** Collected: 02/27/24 17:35 Received: 02/28/24 14:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Indianapolis							
Chloromethane	ND	ug/L	5.0	1		03/04/24 16:28	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		03/04/24 16:28	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		03/04/24 16:28	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		03/04/24 16:28	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		03/04/24 16:28	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		03/04/24 16:28	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		03/04/24 16:28	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		03/04/24 16:28	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		03/04/24 16:28	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		03/04/24 16:28	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		03/04/24 16:28	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		03/04/24 16:28	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		03/04/24 16:28	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		03/04/24 16:28	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		03/04/24 16:28	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		03/04/24 16:28	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		03/04/24 16:28	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		03/04/24 16:28	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		03/04/24 16:28	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		03/04/24 16:28	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		03/04/24 16:28	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		03/04/24 16:28	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		03/04/24 16:28	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		03/04/24 16:28	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		03/04/24 16:28	87-68-3	L2
n-Hexane	ND	ug/L	5.0	1		03/04/24 16:28	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		03/04/24 16:28	591-78-6	
Iodomethane	ND	ug/L	10.0	1		03/04/24 16:28	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		03/04/24 16:28	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		03/04/24 16:28	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		03/04/24 16:28	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		03/04/24 16:28	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		03/04/24 16:28	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		03/04/24 16:28	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		03/04/24 16:28	103-65-1	
Styrene	ND	ug/L	5.0	1		03/04/24 16:28	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		03/04/24 16:28	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		03/04/24 16:28	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		03/04/24 16:28	127-18-4	
Toluene	ND	ug/L	5.0	1		03/04/24 16:28	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		03/04/24 16:28	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		03/04/24 16:28	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		03/04/24 16:28	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		03/04/24 16:28	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		03/04/24 16:28	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		03/04/24 16:28	75-69-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50366965

Sample: B-10-WT **Lab ID: 50366965001** Collected: 02/27/24 17:35 Received: 02/28/24 14:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Indianapolis							
1,2,3-Trichloropropane	ND	ug/L	5.0	1		03/04/24 16:28	96-18-4	
1,2,4-Trimethylbenzene	**37.9**	ug/L	5.0	1		03/04/24 16:28	95-63-6	
1,3,5-Trimethylbenzene	**25.2**	ug/L	5.0	1		03/04/24 16:28	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		03/04/24 16:28	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		03/04/24 16:28	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		03/04/24 16:28	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	125	%.	82-128	1		03/04/24 16:28	1868-53-7	
4-Bromofluorobenzene (S)	102	%.	79-124	1		03/04/24 16:28	460-00-4	
Toluene-d8 (S)	101	%.	73-122	1		03/04/24 16:28	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50366965

Sample: B-11-WT **Lab ID: 50366965002** Collected: 02/27/24 17:45 Received: 02/28/24 14:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis							
Lead	ND	ug/L	10.0	1	03/07/24 08:09	03/07/24 23:24	7439-92-1	
8270 PAH by 3511	Analytical Method: EPA 8270 by SIM 40E Preparation Method: EPA 3511 Pace Analytical Services - Indianapolis							
Acenaphthene	**149**	ug/L	49.4	50	03/01/24 13:46	03/07/24 19:09	83-32-9	
Acenaphthylene	ND	ug/L	49.4	50	03/01/24 13:46	03/07/24 19:09	208-96-8	
Anthracene	ND	ug/L	4.9	50	03/01/24 13:46	03/07/24 19:09	120-12-7	
Benzo(a)anthracene	ND	ug/L	4.9	50	03/01/24 13:46	03/07/24 19:09	56-55-3	
Benzo(a)pyrene	ND	ug/L	4.9	50	03/01/24 13:46	03/07/24 19:09	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	4.9	50	03/01/24 13:46	03/07/24 19:09	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	4.9	50	03/01/24 13:46	03/07/24 19:09	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	4.9	50	03/01/24 13:46	03/07/24 19:09	207-08-9	
Chrysene	ND	ug/L	24.7	50	03/01/24 13:46	03/07/24 19:09	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	4.9	50	03/01/24 13:46	03/07/24 19:09	53-70-3	
Fluoranthene	**83.9**	ug/L	49.4	50	03/01/24 13:46	03/07/24 19:09	206-44-0	
Fluorene	**191**	ug/L	49.4	50	03/01/24 13:46	03/07/24 19:09	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	4.9	50	03/01/24 13:46	03/07/24 19:09	193-39-5	
1-Methylnaphthalene	**860**	ug/L	49.4	50	03/01/24 13:46	03/07/24 19:09	90-12-0	
2-Methylnaphthalene	**580**	ug/L	49.4	50	03/01/24 13:46	03/07/24 19:09	91-57-6	
Naphthalene	ND	ug/L	49.4	50	03/01/24 13:46	03/07/24 19:09	91-20-3	D3
Phenanthrene	**333**	ug/L	49.4	50	03/01/24 13:46	03/07/24 19:09	85-01-8	
Pyrene	**533**	ug/L	49.4	50	03/01/24 13:46	03/07/24 19:09	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	106	%.	45-127	50	03/01/24 13:46	03/07/24 19:09	321-60-8	
p-Terphenyl-d14 (S)	109	%.	75-157	50	03/01/24 13:46	03/07/24 19:09	1718-51-0	
8260/5030 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	100	1		03/04/24 16:58	67-64-1	
Acrolein	ND	ug/L	50.0	1		03/04/24 16:58	107-02-8	
Acrylonitrile	ND	ug/L	100	1		03/04/24 16:58	107-13-1	
Benzene	ND	ug/L	5.0	1		03/04/24 16:58	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		03/04/24 16:58	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		03/04/24 16:58	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		03/04/24 16:58	75-27-4	
Bromoform	ND	ug/L	5.0	1		03/04/24 16:58	75-25-2	
Bromomethane	ND	ug/L	5.0	1		03/04/24 16:58	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		03/04/24 16:58	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		03/04/24 16:58	104-51-8	
sec-Butylbenzene	**16.8**	ug/L	5.0	1		03/04/24 16:58	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		03/04/24 16:58	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		03/04/24 16:58	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		03/04/24 16:58	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		03/04/24 16:58	108-90-7	
Chloroethane	ND	ug/L	5.0	1		03/04/24 16:58	75-00-3	
Chloroform	ND	ug/L	5.0	1		03/04/24 16:58	67-66-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50366965

Sample: B-11-WT **Lab ID: 50366965002** Collected: 02/27/24 17:45 Received: 02/28/24 14:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Indianapolis							
Chloromethane	ND	ug/L	5.0	1		03/04/24 16:58	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		03/04/24 16:58	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		03/04/24 16:58	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		03/04/24 16:58	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		03/04/24 16:58	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		03/04/24 16:58	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		03/04/24 16:58	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		03/04/24 16:58	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		03/04/24 16:58	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		03/04/24 16:58	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		03/04/24 16:58	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		03/04/24 16:58	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		03/04/24 16:58	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		03/04/24 16:58	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		03/04/24 16:58	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		03/04/24 16:58	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		03/04/24 16:58	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		03/04/24 16:58	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		03/04/24 16:58	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		03/04/24 16:58	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		03/04/24 16:58	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		03/04/24 16:58	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		03/04/24 16:58	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		03/04/24 16:58	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		03/04/24 16:58	87-68-3	L2
n-Hexane	ND	ug/L	5.0	1		03/04/24 16:58	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		03/04/24 16:58	591-78-6	
Iodomethane	ND	ug/L	10.0	1		03/04/24 16:58	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		03/04/24 16:58	98-82-8	
p-Isopropyltoluene	**25.1**	ug/L	5.0	1		03/04/24 16:58	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		03/04/24 16:58	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		03/04/24 16:58	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		03/04/24 16:58	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		03/04/24 16:58	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		03/04/24 16:58	103-65-1	
Styrene	ND	ug/L	5.0	1		03/04/24 16:58	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		03/04/24 16:58	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		03/04/24 16:58	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		03/04/24 16:58	127-18-4	
Toluene	ND	ug/L	5.0	1		03/04/24 16:58	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		03/04/24 16:58	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		03/04/24 16:58	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		03/04/24 16:58	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		03/04/24 16:58	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		03/04/24 16:58	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		03/04/24 16:58	75-69-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50366965

Sample: B-11-WT **Lab ID: 50366965002** Collected: 02/27/24 17:45 Received: 02/28/24 14:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Indianapolis							
1,2,3-Trichloropropane	ND	ug/L	5.0	1		03/04/24 16:58	96-18-4	
1,2,4-Trimethylbenzene	**125**	ug/L	5.0	1		03/04/24 16:58	95-63-6	
1,3,5-Trimethylbenzene	**62.2**	ug/L	5.0	1		03/04/24 16:58	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		03/04/24 16:58	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		03/04/24 16:58	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		03/04/24 16:58	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	134	%.	82-128	1		03/04/24 16:58	1868-53-7	S5
4-Bromofluorobenzene (S)	131	%.	79-124	1		03/04/24 16:58	460-00-4	S5
Toluene-d8 (S)	119	%.	73-122	1		03/04/24 16:58	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50366965

Sample: B-12-WT **Lab ID: 50366965003** Collected: 02/27/24 18:05 Received: 02/28/24 14:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis							
Lead	**24.5**	ug/L	10.0	1	03/07/24 08:09	03/07/24 23:25	7439-92-1	
8270 PAH by 3511	Analytical Method: EPA 8270 by SIM 40E Preparation Method: EPA 3511 Pace Analytical Services - Indianapolis							
Acenaphthene	**11.6**	ug/L	5.0	5	03/01/24 13:46	03/07/24 19:20	83-32-9	
Acenaphthylene	ND	ug/L	5.0	5	03/01/24 13:46	03/07/24 19:20	208-96-8	M1
Anthracene	ND	ug/L	0.50	5	03/01/24 13:46	03/07/24 19:20	120-12-7	M1
Benzo(a)anthracene	ND	ug/L	0.50	5	03/01/24 13:46	03/07/24 19:20	56-55-3	M1
Benzo(a)pyrene	ND	ug/L	0.50	5	03/01/24 13:46	03/07/24 19:20	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.50	5	03/01/24 13:46	03/07/24 19:20	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.50	5	03/01/24 13:46	03/07/24 19:20	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.50	5	03/01/24 13:46	03/07/24 19:20	207-08-9	
Chrysene	ND	ug/L	2.5	5	03/01/24 13:46	03/07/24 19:20	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.50	5	03/01/24 13:46	03/07/24 19:20	53-70-3	
Fluoranthene	ND	ug/L	5.0	5	03/01/24 13:46	03/07/24 19:20	206-44-0	M1
Fluorene	**12.6**	ug/L	5.0	5	03/01/24 13:46	03/07/24 19:20	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.50	5	03/01/24 13:46	03/07/24 19:20	193-39-5	
1-Methylnaphthalene	**29.3**	ug/L	5.0	5	03/01/24 13:46	03/07/24 19:20	90-12-0	
2-Methylnaphthalene	ND	ug/L	5.0	5	03/01/24 13:46	03/07/24 19:20	91-57-6	M1
Naphthalene	ND	ug/L	5.0	5	03/01/24 13:46	03/07/24 19:20	91-20-3	D3,M1
Phenanthrene	ND	ug/L	5.0	5	03/01/24 13:46	03/07/24 19:20	85-01-8	M1
Pyrene	**48.6**	ug/L	5.0	5	03/01/24 13:46	03/07/24 19:20	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	92	%.	45-127	5	03/01/24 13:46	03/07/24 19:20	321-60-8	
p-Terphenyl-d14 (S)	115	%.	75-157	5	03/01/24 13:46	03/07/24 19:20	1718-51-0	
8260/5030 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	100	1		03/04/24 19:30	67-64-1	
Acrolein	ND	ug/L	50.0	1		03/04/24 19:30	107-02-8	
Acrylonitrile	ND	ug/L	100	1		03/04/24 19:30	107-13-1	
Benzene	ND	ug/L	5.0	1		03/04/24 19:30	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		03/04/24 19:30	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		03/04/24 19:30	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		03/04/24 19:30	75-27-4	
Bromoform	ND	ug/L	5.0	1		03/04/24 19:30	75-25-2	
Bromomethane	ND	ug/L	5.0	1		03/04/24 19:30	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		03/04/24 19:30	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		03/04/24 19:30	104-51-8	M1
sec-Butylbenzene	ND	ug/L	5.0	1		03/04/24 19:30	135-98-8	M1
tert-Butylbenzene	ND	ug/L	5.0	1		03/04/24 19:30	98-06-6	M1
Carbon disulfide	ND	ug/L	10.0	1		03/04/24 19:30	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		03/04/24 19:30	56-23-5	M1
Chlorobenzene	ND	ug/L	5.0	1		03/04/24 19:30	108-90-7	
Chloroethane	ND	ug/L	5.0	1		03/04/24 19:30	75-00-3	
Chloroform	ND	ug/L	5.0	1		03/04/24 19:30	67-66-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50366965

Sample: B-12-WT **Lab ID: 50366965003** Collected: 02/27/24 18:05 Received: 02/28/24 14:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Indianapolis							
Chloromethane	ND	ug/L	5.0	1		03/04/24 19:30	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		03/04/24 19:30	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		03/04/24 19:30	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		03/04/24 19:30	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		03/04/24 19:30	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		03/04/24 19:30	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		03/04/24 19:30	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		03/04/24 19:30	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		03/04/24 19:30	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		03/04/24 19:30	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		03/04/24 19:30	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		03/04/24 19:30	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		03/04/24 19:30	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		03/04/24 19:30	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		03/04/24 19:30	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		03/04/24 19:30	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		03/04/24 19:30	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		03/04/24 19:30	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		03/04/24 19:30	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		03/04/24 19:30	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		03/04/24 19:30	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		03/04/24 19:30	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		03/04/24 19:30	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		03/04/24 19:30	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		03/04/24 19:30	87-68-3	L2,R1
n-Hexane	ND	ug/L	5.0	1		03/04/24 19:30	110-54-3	M1
2-Hexanone	ND	ug/L	25.0	1		03/04/24 19:30	591-78-6	
Iodomethane	ND	ug/L	10.0	1		03/04/24 19:30	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		03/04/24 19:30	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		03/04/24 19:30	99-87-6	M1
Methylene Chloride	ND	ug/L	5.0	1		03/04/24 19:30	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		03/04/24 19:30	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		03/04/24 19:30	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		03/04/24 19:30	91-20-3	M1
n-Propylbenzene	ND	ug/L	5.0	1		03/04/24 19:30	103-65-1	
Styrene	ND	ug/L	5.0	1		03/04/24 19:30	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		03/04/24 19:30	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		03/04/24 19:30	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		03/04/24 19:30	127-18-4	
Toluene	ND	ug/L	5.0	1		03/04/24 19:30	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		03/04/24 19:30	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		03/04/24 19:30	120-82-1	M1
1,1,1-Trichloroethane	ND	ug/L	5.0	1		03/04/24 19:30	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		03/04/24 19:30	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		03/04/24 19:30	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		03/04/24 19:30	75-69-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50366965

Sample: B-12-WT **Lab ID: 50366965003** Collected: 02/27/24 18:05 Received: 02/28/24 14:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Indianapolis							
1,2,3-Trichloropropane	ND	ug/L	5.0	1		03/04/24 19:30	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		03/04/24 19:30	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		03/04/24 19:30	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		03/04/24 19:30	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		03/04/24 19:30	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		03/04/24 19:30	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	112	%.	82-128	1		03/04/24 19:30	1868-53-7	
4-Bromofluorobenzene (S)	96	%.	79-124	1		03/04/24 19:30	460-00-4	
Toluene-d8 (S)	106	%.	73-122	1		03/04/24 19:30	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50366965

Sample: B-13-WT **Lab ID: 50366965004** Collected: 02/27/24 18:35 Received: 02/28/24 14:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis							
Lead	ND	ug/L	50.0	1	03/07/24 08:09	03/07/24 23:32	7439-92-1	
8270 PAH by 3511	Analytical Method: EPA 8270 by SIM 40E Preparation Method: EPA 3511 Pace Analytical Services - Indianapolis							
Acenaphthene	ND	ug/L	0.99	1	03/01/24 13:46	03/04/24 22:58	83-32-9	
Acenaphthylene	ND	ug/L	0.99	1	03/01/24 13:46	03/04/24 22:58	208-96-8	
Anthracene	ND	ug/L	0.099	1	03/01/24 13:46	03/04/24 22:58	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.099	1	03/01/24 13:46	03/04/24 22:58	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.099	1	03/01/24 13:46	03/04/24 22:58	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.099	1	03/01/24 13:46	03/04/24 22:58	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.099	1	03/01/24 13:46	03/04/24 22:58	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.099	1	03/01/24 13:46	03/04/24 22:58	207-08-9	
Chrysene	ND	ug/L	0.50	1	03/01/24 13:46	03/04/24 22:58	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.099	1	03/01/24 13:46	03/04/24 22:58	53-70-3	
Fluoranthene	ND	ug/L	0.99	1	03/01/24 13:46	03/04/24 22:58	206-44-0	
Fluorene	ND	ug/L	0.99	1	03/01/24 13:46	03/04/24 22:58	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.099	1	03/01/24 13:46	03/04/24 22:58	193-39-5	
1-Methylnaphthalene	ND	ug/L	0.99	1	03/01/24 13:46	03/04/24 22:58	90-12-0	
2-Methylnaphthalene	ND	ug/L	0.99	1	03/01/24 13:46	03/04/24 22:58	91-57-6	
Naphthalene	ND	ug/L	0.99	1	03/01/24 13:46	03/04/24 22:58	91-20-3	
Phenanthrene	ND	ug/L	0.99	1	03/01/24 13:46	03/04/24 22:58	85-01-8	
Pyrene	ND	ug/L	0.99	1	03/01/24 13:46	03/04/24 22:58	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	85	%.	45-127	1	03/01/24 13:46	03/04/24 22:58	321-60-8	
p-Terphenyl-d14 (S)	102	%.	75-157	1	03/01/24 13:46	03/04/24 22:58	1718-51-0	
8260/5030 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	100	1		03/04/24 17:29	67-64-1	
Acrolein	ND	ug/L	50.0	1		03/04/24 17:29	107-02-8	
Acrylonitrile	ND	ug/L	100	1		03/04/24 17:29	107-13-1	
Benzene	ND	ug/L	5.0	1		03/04/24 17:29	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		03/04/24 17:29	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		03/04/24 17:29	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		03/04/24 17:29	75-27-4	
Bromoform	ND	ug/L	5.0	1		03/04/24 17:29	75-25-2	
Bromomethane	ND	ug/L	5.0	1		03/04/24 17:29	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		03/04/24 17:29	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		03/04/24 17:29	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		03/04/24 17:29	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		03/04/24 17:29	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		03/04/24 17:29	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		03/04/24 17:29	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		03/04/24 17:29	108-90-7	
Chloroethane	ND	ug/L	5.0	1		03/04/24 17:29	75-00-3	
Chloroform	ND	ug/L	5.0	1		03/04/24 17:29	67-66-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50366965

Sample: B-13-WT **Lab ID: 50366965004** Collected: 02/27/24 18:35 Received: 02/28/24 14:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Indianapolis							
Chloromethane	ND	ug/L	5.0	1		03/04/24 17:29	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		03/04/24 17:29	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		03/04/24 17:29	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		03/04/24 17:29	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		03/04/24 17:29	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		03/04/24 17:29	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		03/04/24 17:29	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		03/04/24 17:29	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		03/04/24 17:29	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		03/04/24 17:29	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		03/04/24 17:29	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		03/04/24 17:29	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		03/04/24 17:29	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		03/04/24 17:29	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		03/04/24 17:29	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		03/04/24 17:29	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		03/04/24 17:29	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		03/04/24 17:29	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		03/04/24 17:29	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		03/04/24 17:29	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		03/04/24 17:29	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		03/04/24 17:29	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		03/04/24 17:29	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		03/04/24 17:29	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		03/04/24 17:29	87-68-3	L2
n-Hexane	ND	ug/L	5.0	1		03/04/24 17:29	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		03/04/24 17:29	591-78-6	
Iodomethane	ND	ug/L	10.0	1		03/04/24 17:29	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		03/04/24 17:29	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		03/04/24 17:29	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		03/04/24 17:29	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		03/04/24 17:29	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		03/04/24 17:29	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		03/04/24 17:29	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		03/04/24 17:29	103-65-1	
Styrene	ND	ug/L	5.0	1		03/04/24 17:29	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		03/04/24 17:29	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		03/04/24 17:29	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		03/04/24 17:29	127-18-4	
Toluene	ND	ug/L	5.0	1		03/04/24 17:29	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		03/04/24 17:29	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		03/04/24 17:29	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		03/04/24 17:29	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		03/04/24 17:29	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		03/04/24 17:29	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		03/04/24 17:29	75-69-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50366965

Sample: B-13-WT **Lab ID: 50366965004** Collected: 02/27/24 18:35 Received: 02/28/24 14:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Indianapolis							
1,2,3-Trichloropropane	ND	ug/L	5.0	1		03/04/24 17:29	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		03/04/24 17:29	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		03/04/24 17:29	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		03/04/24 17:29	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		03/04/24 17:29	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		03/04/24 17:29	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	112	%.	82-128	1		03/04/24 17:29	1868-53-7	
4-Bromofluorobenzene (S)	99	%.	79-124	1		03/04/24 17:29	460-00-4	
Toluene-d8 (S)	101	%.	73-122	1		03/04/24 17:29	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50366965

Sample: B-14-WT **Lab ID: 50366965005** Collected: 02/27/24 18:45 Received: 02/28/24 14:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis							
Lead	**66.2**	ug/L	50.0	1	03/07/24 08:09	03/07/24 23:33	7439-92-1	
8270 PAH by 3511	Analytical Method: EPA 8270 by SIM 40E Preparation Method: EPA 3511 Pace Analytical Services - Indianapolis							
Acenaphthene	ND	ug/L	0.99	1	03/01/24 13:46	03/04/24 23:09	83-32-9	
Acenaphthylene	ND	ug/L	0.99	1	03/01/24 13:46	03/04/24 23:09	208-96-8	
Anthracene	ND	ug/L	0.099	1	03/01/24 13:46	03/04/24 23:09	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.099	1	03/01/24 13:46	03/04/24 23:09	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.099	1	03/01/24 13:46	03/04/24 23:09	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.099	1	03/01/24 13:46	03/04/24 23:09	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.099	1	03/01/24 13:46	03/04/24 23:09	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.099	1	03/01/24 13:46	03/04/24 23:09	207-08-9	
Chrysene	ND	ug/L	0.49	1	03/01/24 13:46	03/04/24 23:09	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.099	1	03/01/24 13:46	03/04/24 23:09	53-70-3	
Fluoranthene	ND	ug/L	0.99	1	03/01/24 13:46	03/04/24 23:09	206-44-0	
Fluorene	ND	ug/L	0.99	1	03/01/24 13:46	03/04/24 23:09	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.099	1	03/01/24 13:46	03/04/24 23:09	193-39-5	
1-Methylnaphthalene	ND	ug/L	0.99	1	03/01/24 13:46	03/04/24 23:09	90-12-0	
2-Methylnaphthalene	ND	ug/L	0.99	1	03/01/24 13:46	03/04/24 23:09	91-57-6	
Naphthalene	ND	ug/L	0.99	1	03/01/24 13:46	03/04/24 23:09	91-20-3	
Phenanthrene	ND	ug/L	0.99	1	03/01/24 13:46	03/04/24 23:09	85-01-8	
Pyrene	ND	ug/L	0.99	1	03/01/24 13:46	03/04/24 23:09	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	85	%.	45-127	1	03/01/24 13:46	03/04/24 23:09	321-60-8	
p-Terphenyl-d14 (S)	106	%.	75-157	1	03/01/24 13:46	03/04/24 23:09	1718-51-0	
8260/5030 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	100	1		03/04/24 17:59	67-64-1	
Acrolein	ND	ug/L	50.0	1		03/04/24 17:59	107-02-8	
Acrylonitrile	ND	ug/L	100	1		03/04/24 17:59	107-13-1	
Benzene	ND	ug/L	5.0	1		03/04/24 17:59	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		03/04/24 17:59	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		03/04/24 17:59	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		03/04/24 17:59	75-27-4	
Bromoform	ND	ug/L	5.0	1		03/04/24 17:59	75-25-2	
Bromomethane	ND	ug/L	5.0	1		03/04/24 17:59	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		03/04/24 17:59	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		03/04/24 17:59	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		03/04/24 17:59	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		03/04/24 17:59	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		03/04/24 17:59	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		03/04/24 17:59	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		03/04/24 17:59	108-90-7	
Chloroethane	ND	ug/L	5.0	1		03/04/24 17:59	75-00-3	
Chloroform	ND	ug/L	5.0	1		03/04/24 17:59	67-66-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50366965

Sample: B-14-WT **Lab ID: 50366965005** Collected: 02/27/24 18:45 Received: 02/28/24 14:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Indianapolis							
Chloromethane	ND	ug/L	5.0	1		03/04/24 17:59	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		03/04/24 17:59	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		03/04/24 17:59	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		03/04/24 17:59	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		03/04/24 17:59	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		03/04/24 17:59	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		03/04/24 17:59	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		03/04/24 17:59	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		03/04/24 17:59	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		03/04/24 17:59	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		03/04/24 17:59	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		03/04/24 17:59	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		03/04/24 17:59	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		03/04/24 17:59	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		03/04/24 17:59	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		03/04/24 17:59	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		03/04/24 17:59	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		03/04/24 17:59	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		03/04/24 17:59	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		03/04/24 17:59	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		03/04/24 17:59	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		03/04/24 17:59	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		03/04/24 17:59	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		03/04/24 17:59	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		03/04/24 17:59	87-68-3	L2
n-Hexane	ND	ug/L	5.0	1		03/04/24 17:59	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		03/04/24 17:59	591-78-6	
Iodomethane	ND	ug/L	10.0	1		03/04/24 17:59	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		03/04/24 17:59	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		03/04/24 17:59	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		03/04/24 17:59	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		03/04/24 17:59	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		03/04/24 17:59	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		03/04/24 17:59	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		03/04/24 17:59	103-65-1	
Styrene	ND	ug/L	5.0	1		03/04/24 17:59	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		03/04/24 17:59	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		03/04/24 17:59	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		03/04/24 17:59	127-18-4	
Toluene	ND	ug/L	5.0	1		03/04/24 17:59	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		03/04/24 17:59	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		03/04/24 17:59	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		03/04/24 17:59	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		03/04/24 17:59	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		03/04/24 17:59	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		03/04/24 17:59	75-69-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50366965

Sample: B-14-WT **Lab ID: 50366965005** Collected: 02/27/24 18:45 Received: 02/28/24 14:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Indianapolis							
1,2,3-Trichloropropane	ND	ug/L	5.0	1		03/04/24 17:59	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		03/04/24 17:59	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		03/04/24 17:59	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		03/04/24 17:59	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		03/04/24 17:59	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		03/04/24 17:59	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	109	%.	82-128	1		03/04/24 17:59	1868-53-7	
4-Bromofluorobenzene (S)	98	%.	79-124	1		03/04/24 17:59	460-00-4	
Toluene-d8 (S)	102	%.	73-122	1		03/04/24 17:59	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50366965

Sample: B-15-WT **Lab ID: 50366965006** Collected: 02/27/24 18:55 Received: 02/28/24 14:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis							
Lead	**10.1**	ug/L	10.0	1	03/07/24 08:09	03/07/24 23:38	7439-92-1	
8270 PAH by 3511	Analytical Method: EPA 8270 by SIM 40E Preparation Method: EPA 3511 Pace Analytical Services - Indianapolis							
Acenaphthene	**200**	ug/L	49.8	50	03/01/24 13:46	03/04/24 23:19	83-32-9	
Acenaphthylene	ND	ug/L	49.8	50	03/01/24 13:46	03/04/24 23:19	208-96-8	
Anthracene	ND	ug/L	5.0	50	03/01/24 13:46	03/04/24 23:19	120-12-7	
Benzo(a)anthracene	ND	ug/L	5.0	50	03/01/24 13:46	03/04/24 23:19	56-55-3	
Benzo(a)pyrene	ND	ug/L	5.0	50	03/01/24 13:46	03/04/24 23:19	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	5.0	50	03/01/24 13:46	03/04/24 23:19	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	5.0	50	03/01/24 13:46	03/04/24 23:19	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	5.0	50	03/01/24 13:46	03/04/24 23:19	207-08-9	
Chrysene	**52.6**	ug/L	24.9	50	03/01/24 13:46	03/04/24 23:19	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	5.0	50	03/01/24 13:46	03/04/24 23:19	53-70-3	
Fluoranthene	**109**	ug/L	49.8	50	03/01/24 13:46	03/04/24 23:19	206-44-0	
Fluorene	**245**	ug/L	49.8	50	03/01/24 13:46	03/04/24 23:19	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	5.0	50	03/01/24 13:46	03/04/24 23:19	193-39-5	
1-Methylnaphthalene	**565**	ug/L	49.8	50	03/01/24 13:46	03/04/24 23:19	90-12-0	
2-Methylnaphthalene	**231**	ug/L	49.8	50	03/01/24 13:46	03/04/24 23:19	91-57-6	
Naphthalene	ND	ug/L	49.8	50	03/01/24 13:46	03/04/24 23:19	91-20-3	D3
Phenanthrene	**517**	ug/L	49.8	50	03/01/24 13:46	03/04/24 23:19	85-01-8	
Pyrene	**832**	ug/L	49.8	50	03/01/24 13:46	03/04/24 23:19	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	96	%.	45-127	50	03/01/24 13:46	03/04/24 23:19	321-60-8	
p-Terphenyl-d14 (S)	96	%.	75-157	50	03/01/24 13:46	03/04/24 23:19	1718-51-0	
8260/5030 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	100	1		03/04/24 18:29	67-64-1	
Acrolein	ND	ug/L	50.0	1		03/04/24 18:29	107-02-8	
Acrylonitrile	ND	ug/L	100	1		03/04/24 18:29	107-13-1	
Benzene	ND	ug/L	5.0	1		03/04/24 18:29	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		03/04/24 18:29	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		03/04/24 18:29	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		03/04/24 18:29	75-27-4	
Bromoform	ND	ug/L	5.0	1		03/04/24 18:29	75-25-2	
Bromomethane	ND	ug/L	5.0	1		03/04/24 18:29	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		03/04/24 18:29	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		03/04/24 18:29	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		03/04/24 18:29	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		03/04/24 18:29	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		03/04/24 18:29	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		03/04/24 18:29	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		03/04/24 18:29	108-90-7	
Chloroethane	ND	ug/L	5.0	1		03/04/24 18:29	75-00-3	
Chloroform	ND	ug/L	5.0	1		03/04/24 18:29	67-66-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50366965

Sample: B-15-WT **Lab ID: 50366965006** Collected: 02/27/24 18:55 Received: 02/28/24 14:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Indianapolis							
Chloromethane	ND	ug/L	5.0	1		03/04/24 18:29	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		03/04/24 18:29	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		03/04/24 18:29	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		03/04/24 18:29	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		03/04/24 18:29	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		03/04/24 18:29	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		03/04/24 18:29	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		03/04/24 18:29	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		03/04/24 18:29	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		03/04/24 18:29	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		03/04/24 18:29	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		03/04/24 18:29	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		03/04/24 18:29	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		03/04/24 18:29	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		03/04/24 18:29	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		03/04/24 18:29	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		03/04/24 18:29	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		03/04/24 18:29	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		03/04/24 18:29	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		03/04/24 18:29	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		03/04/24 18:29	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		03/04/24 18:29	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		03/04/24 18:29	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		03/04/24 18:29	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		03/04/24 18:29	87-68-3	L2
n-Hexane	ND	ug/L	5.0	1		03/04/24 18:29	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		03/04/24 18:29	591-78-6	
Iodomethane	ND	ug/L	10.0	1		03/04/24 18:29	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		03/04/24 18:29	98-82-8	
p-Isopropyltoluene	**5.4**	ug/L	5.0	1		03/04/24 18:29	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		03/04/24 18:29	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		03/04/24 18:29	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		03/04/24 18:29	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		03/04/24 18:29	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		03/04/24 18:29	103-65-1	
Styrene	ND	ug/L	5.0	1		03/04/24 18:29	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		03/04/24 18:29	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		03/04/24 18:29	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		03/04/24 18:29	127-18-4	
Toluene	ND	ug/L	5.0	1		03/04/24 18:29	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		03/04/24 18:29	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		03/04/24 18:29	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		03/04/24 18:29	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		03/04/24 18:29	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		03/04/24 18:29	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		03/04/24 18:29	75-69-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50366965

Sample: B-15-WT **Lab ID: 50366965006** Collected: 02/27/24 18:55 Received: 02/28/24 14:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Indianapolis							
1,2,3-Trichloropropane	ND	ug/L	5.0	1		03/04/24 18:29	96-18-4	
1,2,4-Trimethylbenzene	**7.0**	ug/L	5.0	1		03/04/24 18:29	95-63-6	
1,3,5-Trimethylbenzene	**13.5**	ug/L	5.0	1		03/04/24 18:29	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		03/04/24 18:29	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		03/04/24 18:29	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		03/04/24 18:29	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	135	%.	82-128	1		03/04/24 18:29	1868-53-7	S5
4-Bromofluorobenzene (S)	104	%.	79-124	1		03/04/24 18:29	460-00-4	
Toluene-d8 (S)	107	%.	73-122	1		03/04/24 18:29	2037-26-5	

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50366965

Sample: Dup-WT **Lab ID: 50366965007** Collected: 02/27/24 08:00 Received: 02/28/24 14:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Indianapolis							
Lead	ND	ug/L	10.0	1	03/07/24 08:09	03/07/24 23:39	7439-92-1	
8270 PAH by 3511	Analytical Method: EPA 8270 by SIM 40E Preparation Method: EPA 3511 Pace Analytical Services - Indianapolis							
Acenaphthene	**150**	ug/L	49.8	50	03/01/24 13:46	03/04/24 23:30	83-32-9	
Acenaphthylene	ND	ug/L	49.8	50	03/01/24 13:46	03/04/24 23:30	208-96-8	
Anthracene	ND	ug/L	5.0	50	03/01/24 13:46	03/04/24 23:30	120-12-7	
Benzo(a)anthracene	ND	ug/L	5.0	50	03/01/24 13:46	03/04/24 23:30	56-55-3	
Benzo(a)pyrene	ND	ug/L	5.0	50	03/01/24 13:46	03/04/24 23:30	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	5.0	50	03/01/24 13:46	03/04/24 23:30	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	5.0	50	03/01/24 13:46	03/04/24 23:30	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	5.0	50	03/01/24 13:46	03/04/24 23:30	207-08-9	
Chrysene	**40.8**	ug/L	24.9	50	03/01/24 13:46	03/04/24 23:30	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	5.0	50	03/01/24 13:46	03/04/24 23:30	53-70-3	
Fluoranthene	**79.5**	ug/L	49.8	50	03/01/24 13:46	03/04/24 23:30	206-44-0	
Fluorene	**188**	ug/L	49.8	50	03/01/24 13:46	03/04/24 23:30	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	5.0	50	03/01/24 13:46	03/04/24 23:30	193-39-5	
1-Methylnaphthalene	**450**	ug/L	49.8	50	03/01/24 13:46	03/04/24 23:30	90-12-0	
2-Methylnaphthalene	**185**	ug/L	49.8	50	03/01/24 13:46	03/04/24 23:30	91-57-6	
Naphthalene	ND	ug/L	49.8	50	03/01/24 13:46	03/04/24 23:30	91-20-3	D3
Phenanthrene	**374**	ug/L	49.8	50	03/01/24 13:46	03/04/24 23:30	85-01-8	
Pyrene	**643**	ug/L	49.8	50	03/01/24 13:46	03/04/24 23:30	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	108	%.	45-127	50	03/01/24 13:46	03/04/24 23:30	321-60-8	
p-Terphenyl-d14 (S)	101	%.	75-157	50	03/01/24 13:46	03/04/24 23:30	1718-51-0	
8260/5030 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	100	1		03/04/24 19:00	67-64-1	
Acrolein	ND	ug/L	50.0	1		03/04/24 19:00	107-02-8	
Acrylonitrile	ND	ug/L	100	1		03/04/24 19:00	107-13-1	
Benzene	ND	ug/L	5.0	1		03/04/24 19:00	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		03/04/24 19:00	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		03/04/24 19:00	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		03/04/24 19:00	75-27-4	
Bromoform	ND	ug/L	5.0	1		03/04/24 19:00	75-25-2	
Bromomethane	ND	ug/L	5.0	1		03/04/24 19:00	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		03/04/24 19:00	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		03/04/24 19:00	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		03/04/24 19:00	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		03/04/24 19:00	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		03/04/24 19:00	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		03/04/24 19:00	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		03/04/24 19:00	108-90-7	
Chloroethane	ND	ug/L	5.0	1		03/04/24 19:00	75-00-3	
Chloroform	ND	ug/L	5.0	1		03/04/24 19:00	67-66-3	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50366965

Sample: Dup-WT **Lab ID: 50366965007** Collected: 02/27/24 08:00 Received: 02/28/24 14:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Indianapolis							
Chloromethane	ND	ug/L	5.0	1		03/04/24 19:00	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		03/04/24 19:00	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		03/04/24 19:00	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		03/04/24 19:00	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		03/04/24 19:00	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		03/04/24 19:00	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		03/04/24 19:00	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		03/04/24 19:00	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		03/04/24 19:00	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		03/04/24 19:00	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		03/04/24 19:00	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		03/04/24 19:00	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		03/04/24 19:00	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		03/04/24 19:00	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		03/04/24 19:00	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		03/04/24 19:00	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		03/04/24 19:00	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		03/04/24 19:00	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		03/04/24 19:00	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		03/04/24 19:00	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		03/04/24 19:00	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		03/04/24 19:00	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		03/04/24 19:00	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		03/04/24 19:00	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		03/04/24 19:00	87-68-3	L2
n-Hexane	ND	ug/L	5.0	1		03/04/24 19:00	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		03/04/24 19:00	591-78-6	
Iodomethane	ND	ug/L	10.0	1		03/04/24 19:00	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		03/04/24 19:00	98-82-8	
p-Isopropyltoluene	**8.6**	ug/L	5.0	1		03/04/24 19:00	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		03/04/24 19:00	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		03/04/24 19:00	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		03/04/24 19:00	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		03/04/24 19:00	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		03/04/24 19:00	103-65-1	
Styrene	ND	ug/L	5.0	1		03/04/24 19:00	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		03/04/24 19:00	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		03/04/24 19:00	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		03/04/24 19:00	127-18-4	
Toluene	ND	ug/L	5.0	1		03/04/24 19:00	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		03/04/24 19:00	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		03/04/24 19:00	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		03/04/24 19:00	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		03/04/24 19:00	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		03/04/24 19:00	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		03/04/24 19:00	75-69-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50366965

Sample: Dup-WT **Lab ID: 50366965007** Collected: 02/27/24 08:00 Received: 02/28/24 14:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Indianapolis							
1,2,3-Trichloropropane	ND	ug/L	5.0	1		03/04/24 19:00	96-18-4	
1,2,4-Trimethylbenzene	**10**	ug/L	5.0	1		03/04/24 19:00	95-63-6	
1,3,5-Trimethylbenzene	**19.5**	ug/L	5.0	1		03/04/24 19:00	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		03/04/24 19:00	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		03/04/24 19:00	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		03/04/24 19:00	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	131	%.	82-128	1		03/04/24 19:00	1868-53-7	S5
4-Bromofluorobenzene (S)	113	%.	79-124	1		03/04/24 19:00	460-00-4	
Toluene-d8 (S)	116	%.	73-122	1		03/04/24 19:00	2037-26-5	

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50366965

Sample: TB-WT **Lab ID: 50366965008** Collected: 02/27/24 17:20 Received: 02/28/24 14:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	100	1		03/01/24 16:09	67-64-1	
Acrolein	ND	ug/L	50.0	1		03/01/24 16:09	107-02-8	
Acrylonitrile	ND	ug/L	100	1		03/01/24 16:09	107-13-1	
Benzene	ND	ug/L	5.0	1		03/01/24 16:09	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		03/01/24 16:09	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		03/01/24 16:09	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		03/01/24 16:09	75-27-4	
Bromoform	ND	ug/L	5.0	1		03/01/24 16:09	75-25-2	
Bromomethane	ND	ug/L	5.0	1		03/01/24 16:09	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		03/01/24 16:09	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		03/01/24 16:09	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		03/01/24 16:09	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		03/01/24 16:09	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		03/01/24 16:09	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		03/01/24 16:09	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		03/01/24 16:09	108-90-7	
Chloroethane	**6.6**	ug/L	5.0	1		03/01/24 16:09	75-00-3	
Chloroform	ND	ug/L	5.0	1		03/01/24 16:09	67-66-3	
Chloromethane	ND	ug/L	5.0	1		03/01/24 16:09	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		03/01/24 16:09	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		03/01/24 16:09	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		03/01/24 16:09	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		03/01/24 16:09	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		03/01/24 16:09	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		03/01/24 16:09	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		03/01/24 16:09	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		03/01/24 16:09	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		03/01/24 16:09	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		03/01/24 16:09	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		03/01/24 16:09	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		03/01/24 16:09	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		03/01/24 16:09	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		03/01/24 16:09	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		03/01/24 16:09	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		03/01/24 16:09	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		03/01/24 16:09	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		03/01/24 16:09	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		03/01/24 16:09	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		03/01/24 16:09	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		03/01/24 16:09	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		03/01/24 16:09	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		03/01/24 16:09	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		03/01/24 16:09	87-68-3	
n-Hexane	ND	ug/L	5.0	1		03/01/24 16:09	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		03/01/24 16:09	591-78-6	
Iodomethane	ND	ug/L	10.0	1		03/01/24 16:09	74-88-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Road Ranger 226
Pace Project No.: 50366965

Sample: TB-WT **Lab ID: 50366965008** Collected: 02/27/24 17:20 Received: 02/28/24 14:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Indianapolis							
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		03/01/24 16:09	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		03/01/24 16:09	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		03/01/24 16:09	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		03/01/24 16:09	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		03/01/24 16:09	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		03/01/24 16:09	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		03/01/24 16:09	103-65-1	
Styrene	ND	ug/L	5.0	1		03/01/24 16:09	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		03/01/24 16:09	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		03/01/24 16:09	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		03/01/24 16:09	127-18-4	
Toluene	ND	ug/L	5.0	1		03/01/24 16:09	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		03/01/24 16:09	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		03/01/24 16:09	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		03/01/24 16:09	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		03/01/24 16:09	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		03/01/24 16:09	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		03/01/24 16:09	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		03/01/24 16:09	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		03/01/24 16:09	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		03/01/24 16:09	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		03/01/24 16:09	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		03/01/24 16:09	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		03/01/24 16:09	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	97	%.	82-128	1		03/01/24 16:09	1868-53-7	
4-Bromofluorobenzene (S)	98	%.	79-124	1		03/01/24 16:09	460-00-4	
Toluene-d8 (S)	103	%.	73-122	1		03/01/24 16:09	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Road Ranger 226
Pace Project No.: 50366965

QC Batch: 778128
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50366965001, 50366965002, 50366965003, 50366965004, 50366965005, 50366965006, 50366965007

METHOD BLANK: 3561532 Matrix: Water
Associated Lab Samples: 50366965001, 50366965002, 50366965003, 50366965004, 50366965005, 50366965006, 50366965007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	ND	10.0	03/07/24 23:04	

LABORATORY CONTROL SAMPLE: 3561533

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	1000	944	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3561534 3561535

Parameter	Units	50366965003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	24.5	1000	1000	869	876	84	85	75-125	1	20	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Road Ranger 226
Pace Project No.: 50366965

QC Batch: 778292
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Indianapolis

Associated Lab Samples: 50366965008

METHOD BLANK: 3562024 Matrix: Water
Associated Lab Samples: 50366965008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	03/01/24 12:06	
1,1,1-Trichloroethane	ug/L	ND	5.0	03/01/24 12:06	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	03/01/24 12:06	
1,1,2-Trichloroethane	ug/L	ND	5.0	03/01/24 12:06	
1,1-Dichloroethane	ug/L	ND	5.0	03/01/24 12:06	
1,1-Dichloroethene	ug/L	ND	5.0	03/01/24 12:06	
1,1-Dichloropropene	ug/L	ND	5.0	03/01/24 12:06	
1,2,3-Trichlorobenzene	ug/L	ND	5.0	03/01/24 12:06	
1,2,3-Trichloropropane	ug/L	ND	5.0	03/01/24 12:06	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	03/01/24 12:06	
1,2,4-Trimethylbenzene	ug/L	ND	5.0	03/01/24 12:06	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	03/01/24 12:06	
1,2-Dichlorobenzene	ug/L	ND	5.0	03/01/24 12:06	
1,2-Dichloroethane	ug/L	ND	5.0	03/01/24 12:06	
1,2-Dichloropropane	ug/L	ND	5.0	03/01/24 12:06	
1,3,5-Trimethylbenzene	ug/L	ND	5.0	03/01/24 12:06	
1,3-Dichlorobenzene	ug/L	ND	5.0	03/01/24 12:06	
1,3-Dichloropropane	ug/L	ND	5.0	03/01/24 12:06	
1,4-Dichlorobenzene	ug/L	ND	5.0	03/01/24 12:06	
2,2-Dichloropropane	ug/L	ND	5.0	03/01/24 12:06	
2-Butanone (MEK)	ug/L	ND	25.0	03/01/24 12:06	
2-Chlorotoluene	ug/L	ND	5.0	03/01/24 12:06	
2-Hexanone	ug/L	ND	25.0	03/01/24 12:06	
4-Chlorotoluene	ug/L	ND	5.0	03/01/24 12:06	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	03/01/24 12:06	
Acetone	ug/L	ND	100	03/01/24 12:06	
Acrolein	ug/L	ND	50.0	03/01/24 12:06	
Acrylonitrile	ug/L	ND	100	03/01/24 12:06	
Benzene	ug/L	ND	5.0	03/01/24 12:06	
Bromobenzene	ug/L	ND	5.0	03/01/24 12:06	
Bromochloromethane	ug/L	ND	5.0	03/01/24 12:06	
Bromodichloromethane	ug/L	ND	5.0	03/01/24 12:06	
Bromoform	ug/L	ND	5.0	03/01/24 12:06	
Bromomethane	ug/L	ND	5.0	03/01/24 12:06	
Carbon disulfide	ug/L	ND	10.0	03/01/24 12:06	
Carbon tetrachloride	ug/L	ND	5.0	03/01/24 12:06	
Chlorobenzene	ug/L	ND	5.0	03/01/24 12:06	
Chloroethane	ug/L	ND	5.0	03/01/24 12:06	
Chloroform	ug/L	ND	5.0	03/01/24 12:06	
Chloromethane	ug/L	ND	5.0	03/01/24 12:06	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Road Ranger 226
Pace Project No.: 50366965

METHOD BLANK: 3562024 Matrix: Water
Associated Lab Samples: 50366965008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/L	ND	5.0	03/01/24 12:06	
cis-1,3-Dichloropropene	ug/L	ND	5.0	03/01/24 12:06	
Dibromochloromethane	ug/L	ND	5.0	03/01/24 12:06	
Dibromomethane	ug/L	ND	5.0	03/01/24 12:06	
Dichlorodifluoromethane	ug/L	ND	5.0	03/01/24 12:06	
Ethyl methacrylate	ug/L	ND	100	03/01/24 12:06	
Ethylbenzene	ug/L	ND	5.0	03/01/24 12:06	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	03/01/24 12:06	
Iodomethane	ug/L	ND	10.0	03/01/24 12:06	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	03/01/24 12:06	
Methyl-tert-butyl ether	ug/L	ND	4.0	03/01/24 12:06	
Methylene Chloride	ug/L	ND	5.0	03/01/24 12:06	
n-Butylbenzene	ug/L	ND	5.0	03/01/24 12:06	
n-Hexane	ug/L	ND	5.0	03/01/24 12:06	
n-Propylbenzene	ug/L	ND	5.0	03/01/24 12:06	
Naphthalene	ug/L	ND	5.0	03/01/24 12:06	
p-Isopropyltoluene	ug/L	ND	5.0	03/01/24 12:06	
sec-Butylbenzene	ug/L	ND	5.0	03/01/24 12:06	
Styrene	ug/L	ND	5.0	03/01/24 12:06	
tert-Butylbenzene	ug/L	ND	5.0	03/01/24 12:06	
Tetrachloroethene	ug/L	ND	5.0	03/01/24 12:06	
Toluene	ug/L	ND	5.0	03/01/24 12:06	
trans-1,2-Dichloroethene	ug/L	ND	5.0	03/01/24 12:06	
trans-1,3-Dichloropropene	ug/L	ND	5.0	03/01/24 12:06	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	03/01/24 12:06	
Trichloroethene	ug/L	ND	5.0	03/01/24 12:06	
Trichlorofluoromethane	ug/L	ND	5.0	03/01/24 12:06	
Vinyl acetate	ug/L	ND	50.0	03/01/24 12:06	
Vinyl chloride	ug/L	ND	2.0	03/01/24 12:06	
Xylene (Total)	ug/L	ND	10.0	03/01/24 12:06	
4-Bromofluorobenzene (S)	%.	97	79-124	03/01/24 12:06	
Dibromofluoromethane (S)	%.	96	82-128	03/01/24 12:06	1d
Toluene-d8 (S)	%.	103	73-122	03/01/24 12:06	

LABORATORY CONTROL SAMPLE: 3562025

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	51.0	102	81-130	
1,1,1-Trichloroethane	ug/L	50	43.5	87	76-127	
1,1,2,2-Tetrachloroethane	ug/L	50	56.0	112	70-126	
1,1,2-Trichloroethane	ug/L	50	50.6	101	79-124	
1,1-Dichloroethane	ug/L	50	44.7	89	76-123	
1,1-Dichloroethene	ug/L	50	45.1	90	73-133	
1,1-Dichloropropene	ug/L	50	49.4	99	78-144	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Road Ranger 226
Pace Project No.: 50366965

LABORATORY CONTROL SAMPLE: 3562025

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,3-Trichlorobenzene	ug/L	50	51.8	104	72-138	
1,2,3-Trichloropropane	ug/L	50	54.3	109	75-121	
1,2,4-Trichlorobenzene	ug/L	50	50.6	101	71-138	
1,2,4-Trimethylbenzene	ug/L	50	52.2	104	70-127	
1,2-Dibromoethane (EDB)	ug/L	50	52.3	105	80-126	
1,2-Dichlorobenzene	ug/L	50	53.3	107	79-123	
1,2-Dichloroethane	ug/L	50	39.7	79	70-124	
1,2-Dichloropropane	ug/L	50	46.7	93	74-128	
1,3,5-Trimethylbenzene	ug/L	50	53.3	107	71-124	
1,3-Dichlorobenzene	ug/L	50	54.1	108	77-124	
1,3-Dichloropropane	ug/L	50	51.4	103	77-126	
1,4-Dichlorobenzene	ug/L	50	54.8	110	77-120	
2,2-Dichloropropane	ug/L	50	47.3	95	65-136	
2-Butanone (MEK)	ug/L	250	257	103	59-134	
2-Chlorotoluene	ug/L	50	53.5	107	74-121	
2-Hexanone	ug/L	250	255	102	63-134	
4-Chlorotoluene	ug/L	50	54.1	108	78-123	
4-Methyl-2-pentanone (MIBK)	ug/L	250	261	104	67-133	
Acetone	ug/L	250	220	88	32-133	
Acrolein	ug/L	1000	850	85	35-166	
Acrylonitrile	ug/L	250	258	103	69-137	
Benzene	ug/L	50	47.0	94	74-124	
Bromobenzene	ug/L	50	48.9	98	76-122	
Bromochloromethane	ug/L	50	40.2	80	66-127	
Bromodichloromethane	ug/L	50	46.9	94	80-126	
Bromoform	ug/L	50	55.1	110	75-128	
Bromomethane	ug/L	50	33.6	67	10-183	
Carbon disulfide	ug/L	50	42.3	85	68-123	
Carbon tetrachloride	ug/L	50	42.8	86	78-132	
Chlorobenzene	ug/L	50	51.0	102	77-121	
Chloroethane	ug/L	50	34.4	69	43-140	
Chloroform	ug/L	50	44.4	89	75-118	
Chloromethane	ug/L	50	31.1	62	45-130	
cis-1,2-Dichloroethene	ug/L	50	47.6	95	76-125	
cis-1,3-Dichloropropene	ug/L	50	52.5	105	76-132	
Dibromochloromethane	ug/L	50	51.5	103	79-130	
Dibromomethane	ug/L	50	46.1	92	79-124	
Dichlorodifluoromethane	ug/L	50	15.9	32	10-124	
Ethyl methacrylate	ug/L	50	55J	110	73-137	
Ethylbenzene	ug/L	50	52.6	105	74-125	
Hexachloro-1,3-butadiene	ug/L	50	42.9	86	66-141	
Iodomethane	ug/L	50	35.6	71	10-160	
Isopropylbenzene (Cumene)	ug/L	50	53.1	106	75-126	
Methyl-tert-butyl ether	ug/L	50	44.7	89	74-129	
Methylene Chloride	ug/L	50	44.6	89	77-126	
n-Butylbenzene	ug/L	50	50.5	101	72-131	
n-Hexane	ug/L	50	41.2	82	58-131	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Road Ranger 226
Pace Project No.: 50366965

LABORATORY CONTROL SAMPLE: 3562025

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
n-Propylbenzene	ug/L	50	52.3	105	76-127	
Naphthalene	ug/L	50	55.1	110	70-132	
p-Isopropyltoluene	ug/L	50	53.8	108	76-126	
sec-Butylbenzene	ug/L	50	54.9	110	76-129	
Styrene	ug/L	50	52.8	106	81-129	
tert-Butylbenzene	ug/L	50	54.9	110	76-129	
Tetrachloroethene	ug/L	50	53.3	107	73-132	
Toluene	ug/L	50	49.9	100	72-119	
trans-1,2-Dichloroethene	ug/L	50	45.7	91	74-125	
trans-1,3-Dichloropropene	ug/L	50	51.3	103	75-132	
trans-1,4-Dichloro-2-butene	ug/L	50	51.2J	102	66-152	
Trichloroethene	ug/L	50	47.3	95	75-127	
Trichlorofluoromethane	ug/L	50	36.1	72	64-136	
Vinyl acetate	ug/L	200	177	89	62-159	
Vinyl chloride	ug/L	50	34.4	69	48-133	
Xylene (Total)	ug/L	150	149	99	73-123	
4-Bromofluorobenzene (S)	%.			94	79-124	
Dibromofluoromethane (S)	%.			95	82-128	
Toluene-d8 (S)	%.			103	73-122	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Road Ranger 226
Pace Project No.: 50366965

QC Batch: 778518
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50366965001, 50366965002, 50366965003, 50366965004, 50366965005, 50366965006, 50366965007

METHOD BLANK: 3562928
Matrix: Water
Associated Lab Samples: 50366965001, 50366965002, 50366965003, 50366965004, 50366965005, 50366965006, 50366965007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	03/04/24 12:26	
1,1,1-Trichloroethane	ug/L	ND	5.0	03/04/24 12:26	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	03/04/24 12:26	
1,1,2-Trichloroethane	ug/L	ND	5.0	03/04/24 12:26	
1,1-Dichloroethane	ug/L	ND	5.0	03/04/24 12:26	
1,1-Dichloroethene	ug/L	ND	5.0	03/04/24 12:26	
1,1-Dichloropropene	ug/L	ND	5.0	03/04/24 12:26	
1,2,3-Trichlorobenzene	ug/L	ND	5.0	03/04/24 12:26	
1,2,3-Trichloropropane	ug/L	ND	5.0	03/04/24 12:26	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	03/04/24 12:26	
1,2,4-Trimethylbenzene	ug/L	ND	5.0	03/04/24 12:26	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	03/04/24 12:26	
1,2-Dichlorobenzene	ug/L	ND	5.0	03/04/24 12:26	
1,2-Dichloroethane	ug/L	ND	5.0	03/04/24 12:26	
1,2-Dichloropropane	ug/L	ND	5.0	03/04/24 12:26	
1,3,5-Trimethylbenzene	ug/L	ND	5.0	03/04/24 12:26	
1,3-Dichlorobenzene	ug/L	ND	5.0	03/04/24 12:26	
1,3-Dichloropropane	ug/L	ND	5.0	03/04/24 12:26	
1,4-Dichlorobenzene	ug/L	ND	5.0	03/04/24 12:26	
2,2-Dichloropropane	ug/L	ND	5.0	03/04/24 12:26	
2-Butanone (MEK)	ug/L	ND	25.0	03/04/24 12:26	
2-Chlorotoluene	ug/L	ND	5.0	03/04/24 12:26	
2-Hexanone	ug/L	ND	25.0	03/04/24 12:26	
4-Chlorotoluene	ug/L	ND	5.0	03/04/24 12:26	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	03/04/24 12:26	
Acetone	ug/L	ND	100	03/04/24 12:26	
Acrolein	ug/L	ND	50.0	03/04/24 12:26	
Acrylonitrile	ug/L	ND	100	03/04/24 12:26	
Benzene	ug/L	ND	5.0	03/04/24 12:26	
Bromobenzene	ug/L	ND	5.0	03/04/24 12:26	
Bromochloromethane	ug/L	ND	5.0	03/04/24 12:26	
Bromodichloromethane	ug/L	ND	5.0	03/04/24 12:26	
Bromoform	ug/L	ND	5.0	03/04/24 12:26	
Bromomethane	ug/L	ND	5.0	03/04/24 12:26	
Carbon disulfide	ug/L	ND	10.0	03/04/24 12:26	
Carbon tetrachloride	ug/L	ND	5.0	03/04/24 12:26	
Chlorobenzene	ug/L	ND	5.0	03/04/24 12:26	
Chloroethane	ug/L	ND	5.0	03/04/24 12:26	
Chloroform	ug/L	ND	5.0	03/04/24 12:26	
Chloromethane	ug/L	ND	5.0	03/04/24 12:26	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Road Ranger 226
Pace Project No.: 50366965

METHOD BLANK: 3562928 Matrix: Water
Associated Lab Samples: 50366965001, 50366965002, 50366965003, 50366965004, 50366965005, 50366965006, 50366965007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/L	ND	5.0	03/04/24 12:26	
cis-1,3-Dichloropropene	ug/L	ND	5.0	03/04/24 12:26	
Dibromochloromethane	ug/L	ND	5.0	03/04/24 12:26	
Dibromomethane	ug/L	ND	5.0	03/04/24 12:26	
Dichlorodifluoromethane	ug/L	ND	5.0	03/04/24 12:26	
Ethyl methacrylate	ug/L	ND	100	03/04/24 12:26	
Ethylbenzene	ug/L	ND	5.0	03/04/24 12:26	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	03/04/24 12:26	
Iodomethane	ug/L	ND	10.0	03/04/24 12:26	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	03/04/24 12:26	
Methyl-tert-butyl ether	ug/L	ND	4.0	03/04/24 12:26	
Methylene Chloride	ug/L	ND	5.0	03/04/24 12:26	
n-Butylbenzene	ug/L	ND	5.0	03/04/24 12:26	
n-Hexane	ug/L	ND	5.0	03/04/24 12:26	
n-Propylbenzene	ug/L	ND	5.0	03/04/24 12:26	
Naphthalene	ug/L	ND	5.0	03/04/24 12:26	
p-Isopropyltoluene	ug/L	ND	5.0	03/04/24 12:26	
sec-Butylbenzene	ug/L	ND	5.0	03/04/24 12:26	
Styrene	ug/L	ND	5.0	03/04/24 12:26	
tert-Butylbenzene	ug/L	ND	5.0	03/04/24 12:26	
Tetrachloroethene	ug/L	ND	5.0	03/04/24 12:26	
Toluene	ug/L	ND	5.0	03/04/24 12:26	
trans-1,2-Dichloroethene	ug/L	ND	5.0	03/04/24 12:26	
trans-1,3-Dichloropropene	ug/L	ND	5.0	03/04/24 12:26	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	03/04/24 12:26	
Trichloroethene	ug/L	ND	5.0	03/04/24 12:26	
Trichlorofluoromethane	ug/L	ND	5.0	03/04/24 12:26	
Vinyl acetate	ug/L	ND	50.0	03/04/24 12:26	
Vinyl chloride	ug/L	ND	2.0	03/04/24 12:26	
Xylene (Total)	ug/L	ND	10.0	03/04/24 12:26	
4-Bromofluorobenzene (S)	%.	104	79-124	03/04/24 12:26	
Dibromofluoromethane (S)	%.	105	82-128	03/04/24 12:26	
Toluene-d8 (S)	%.	102	73-122	03/04/24 12:26	

LABORATORY CONTROL SAMPLE: 3562929

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	51.5	103	81-130	
1,1,1-Trichloroethane	ug/L	50	41.8	84	76-127	
1,1,2,2-Tetrachloroethane	ug/L	50	51.4	103	70-126	
1,1,2-Trichloroethane	ug/L	50	52.0	104	79-124	
1,1-Dichloroethane	ug/L	50	43.2	86	76-123	
1,1-Dichloroethene	ug/L	50	43.2	86	73-133	
1,1-Dichloropropene	ug/L	50	48.4	97	78-144	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Road Ranger 226
Pace Project No.: 50366965

LABORATORY CONTROL SAMPLE: 3562929

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,3-Trichlorobenzene	ug/L	50	45.5	91	72-138	
1,2,3-Trichloropropane	ug/L	50	49.6	99	75-121	
1,2,4-Trichlorobenzene	ug/L	50	44.9	90	71-138	
1,2,4-Trimethylbenzene	ug/L	50	46.5	93	70-127	
1,2-Dibromoethane (EDB)	ug/L	50	52.6	105	80-126	
1,2-Dichlorobenzene	ug/L	50	48.9	98	79-123	
1,2-Dichloroethane	ug/L	50	39.0	78	70-124	
1,2-Dichloropropane	ug/L	50	45.6	91	74-128	
1,3,5-Trimethylbenzene	ug/L	50	48.0	96	71-124	
1,3-Dichlorobenzene	ug/L	50	49.6	99	77-124	
1,3-Dichloropropane	ug/L	50	51.8	104	77-126	
1,4-Dichlorobenzene	ug/L	50	49.5	99	77-120	
2,2-Dichloropropane	ug/L	50	44.1	88	65-136	
2-Butanone (MEK)	ug/L	250	241	96	59-134	
2-Chlorotoluene	ug/L	50	49.5	99	74-121	
2-Hexanone	ug/L	250	232	93	63-134	
4-Chlorotoluene	ug/L	50	51.1	102	78-123	
4-Methyl-2-pentanone (MIBK)	ug/L	250	238	95	67-133	
Acetone	ug/L	250	217	87	32-133	
Acrolein	ug/L	1000	767	77	35-166	
Acrylonitrile	ug/L	250	236	95	69-137	
Benzene	ug/L	50	45.9	92	74-124	
Bromobenzene	ug/L	50	47.2	94	76-122	
Bromochloromethane	ug/L	50	39.3	79	66-127	
Bromodichloromethane	ug/L	50	44.7	89	80-126	
Bromoform	ug/L	50	50.8	102	75-128	
Bromomethane	ug/L	50	18.7	37	10-183	
Carbon disulfide	ug/L	50	40.5	81	68-123	
Carbon tetrachloride	ug/L	50	39.2	78	78-132	
Chlorobenzene	ug/L	50	48.8	98	77-121	
Chloroethane	ug/L	50	41.6	83	43-140	
Chloroform	ug/L	50	42.7	85	75-118	
Chloromethane	ug/L	50	33.5	67	45-130	
cis-1,2-Dichloroethene	ug/L	50	45.5	91	76-125	
cis-1,3-Dichloropropene	ug/L	50	52.8	106	76-132	
Dibromochloromethane	ug/L	50	51.6	103	79-130	
Dibromomethane	ug/L	50	45.1	90	79-124	
Dichlorodifluoromethane	ug/L	50	16.8	34	10-124	
Ethyl methacrylate	ug/L	50	51.2J	102	73-137	
Ethylbenzene	ug/L	50	50.2	100	74-125	
Hexachloro-1,3-butadiene	ug/L	50	32.0	64	66-141	L2
Iodomethane	ug/L	50	28.1	56	10-160	
Isopropylbenzene (Cumene)	ug/L	50	50.9	102	75-126	
Methyl-tert-butyl ether	ug/L	50	44.9	90	74-129	
Methylene Chloride	ug/L	50	47.2	94	77-126	
n-Butylbenzene	ug/L	50	43.5	87	72-131	
n-Hexane	ug/L	50	39.5	79	58-131	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Road Ranger 226
Pace Project No.: 50366965

LABORATORY CONTROL SAMPLE: 3562929

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
n-Propylbenzene	ug/L	50	48.7	97	76-127	
Naphthalene	ug/L	50	47.8	96	70-132	
p-Isopropyltoluene	ug/L	50	46.8	94	76-126	
sec-Butylbenzene	ug/L	50	48.4	97	76-129	
Styrene	ug/L	50	51.2	102	81-129	
tert-Butylbenzene	ug/L	50	50.3	101	76-129	
Tetrachloroethene	ug/L	50	52.1	104	73-132	
Toluene	ug/L	50	47.5	95	72-119	
trans-1,2-Dichloroethene	ug/L	50	43.7	87	74-125	
trans-1,3-Dichloropropene	ug/L	50	51.6	103	75-132	
trans-1,4-Dichloro-2-butene	ug/L	50	40.5J	81	66-152	
Trichloroethene	ug/L	50	46.4	93	75-127	
Trichlorofluoromethane	ug/L	50	35.2	70	64-136	
Vinyl acetate	ug/L	200	194	97	62-159	
Vinyl chloride	ug/L	50	36.1	72	48-133	
Xylene (Total)	ug/L	150	145	97	73-123	
4-Bromofluorobenzene (S)	%.			97	79-124	
Dibromofluoromethane (S)	%.			94	82-128	
Toluene-d8 (S)	%.			101	73-122	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3562930 3562931

Parameter	Units	50366659001 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	5000	5000	5090	5300	102	106	60-150	4	20	
1,1,1-Trichloroethane	ug/L	ND	5000	5000	4370	4520	87	90	63-138	3	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	5000	5000	5220	5210	104	104	58-146	0	20	
1,1,2-Trichloroethane	ug/L	ND	5000	5000	5180	5330	104	107	63-142	3	20	
1,1-Dichloroethane	ug/L	ND	5000	5000	4490	4600	90	92	64-138	2	20	
1,1-Dichloroethene	ug/L	ND	5000	5000	4560	4630	91	93	65-139	2	20	
1,1-Dichloropropene	ug/L	ND	5000	5000	5040	5170	101	103	68-155	3	20	
1,2,3-Trichlorobenzene	ug/L	ND	5000	5000	4380	4440	88	89	32-141	2	20	
1,2,3-Trichloropropane	ug/L	ND	5000	5000	5140	5130	103	103	54-144	0	20	
1,2,4-Trichlorobenzene	ug/L	ND	5000	5000	4330	4380	87	88	31-140	1	20	
1,2,4-Trimethylbenzene	ug/L	1190	5000	5000	5880	5960	94	95	34-144	1	20	
1,2-Dibromoethane (EDB)	ug/L	ND	5000	5000	5260	5400	105	108	64-139	3	20	
1,2-Dichlorobenzene	ug/L	ND	5000	5000	4920	4960	98	99	50-136	1	20	
1,2-Dichloroethane	ug/L	ND	5000	5000	3970	4070	79	81	55-146	2	20	
1,2-Dichloropropane	ug/L	ND	5000	5000	4620	4730	92	95	66-134	2	20	
1,3,5-Trimethylbenzene	ug/L	ND	5000	5000	5180	5240	97	99	29-151	1	20	
1,3-Dichlorobenzene	ug/L	ND	5000	5000	4940	4980	99	100	47-133	1	20	
1,3-Dichloropropane	ug/L	ND	5000	5000	5160	5310	103	106	61-144	3	20	
1,4-Dichlorobenzene	ug/L	ND	5000	5000	4970	5010	99	100	50-131	1	20	
2,2-Dichloropropane	ug/L	ND	5000	5000	4470	4530	89	91	33-146	1	20	
2-Butanone (MEK)	ug/L	ND	25000	25000	23600	23700	95	95	45-155	0	20	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Road Ranger 226
Pace Project No.: 50366965

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3562930 3562931

Parameter	Units	50366659001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2-Chlorotoluene	ug/L	ND	5000	5000	5260	5280	105	106	43-142	0	20	
2-Hexanone	ug/L	ND	25000	25000	23100	23000	93	92	48-157	1	20	
4-Chlorotoluene	ug/L	ND	5000	5000	5210	5260	104	105	47-137	1	20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25000	25000	24200	24200	97	97	53-156	0	20	
Acetone	ug/L	ND	25000	25000	21900	21800	87	86	16-162	0	20	
Acrolein	ug/L	ND	100000	100000	85100	85300	85	85	39-184	0	20	
Acrylonitrile	ug/L	ND	25000	25000	23900	23900	96	96	58-140	0	20	
Benzene	ug/L	2260	5000	5000	6980	7110	94	97	65-137	2	20	
Bromobenzene	ug/L	ND	5000	5000	4700	4870	94	97	56-137	3	20	
Bromochloromethane	ug/L	ND	5000	5000	4020	4130	80	83	56-139	3	20	
Bromodichloromethane	ug/L	ND	5000	5000	4410	4570	88	91	61-149	4	20	
Bromoform	ug/L	ND	5000	5000	4740	4970	95	99	51-138	5	20	
Bromomethane	ug/L	ND	5000	5000	1790	2250	36	45	10-169	23	20	R1
Carbon disulfide	ug/L	ND	5000	5000	4150	4180	82	82	55-126	1	20	
Carbon tetrachloride	ug/L	ND	5000	5000	3880	4130	78	83	65-156	6	20	
Chlorobenzene	ug/L	ND	5000	5000	4940	5120	99	102	54-135	4	20	
Chloroethane	ug/L	ND	5000	5000	4430	4400	89	88	46-142	1	20	
Chloroform	ug/L	ND	5000	5000	4400	4540	88	91	64-133	3	20	
Chloromethane	ug/L	ND	5000	5000	3400	3490	68	70	30-139	3	20	
cis-1,2-Dichloroethene	ug/L	ND	5000	5000	4660	4810	93	96	59-141	3	20	
cis-1,3-Dichloropropene	ug/L	ND	5000	5000	5190	5340	104	107	57-141	3	20	
Dibromochloromethane	ug/L	ND	5000	5000	4910	5170	98	103	59-147	5	20	
Dibromomethane	ug/L	ND	5000	5000	4480	4620	90	92	64-142	3	20	
Dichlorodifluoromethane	ug/L	ND	5000	5000	1610	1640	32	33	10-144	2	20	
Ethyl methacrylate	ug/L	ND	5000	5000	5070J	5170J	101	103	58-147		20	
Ethylbenzene	ug/L	1210	5000	5000	6350	6490	103	106	50-143	2	20	
Hexachloro-1,3-butadiene	ug/L	ND	5000	5000	2980	3020	60	60	16-155	1	20	
Iodomethane	ug/L	ND	5000	5000	2290	2670	45	52	10-154	15	20	
Isopropylbenzene (Cumene)	ug/L	ND	5000	5000	5190	5350	103	106	36-151	3	20	
Methyl-tert-butyl ether	ug/L	ND	5000	5000	4560	4670	91	93	66-138	2	20	
Methylene Chloride	ug/L	ND	5000	5000	4760	4900	94	97	53-126	3	20	
n-Butylbenzene	ug/L	ND	5000	5000	4230	4240	85	85	31-142	0	20	
n-Hexane	ug/L	ND	5000	5000	4100	4100	82	82	53-129	0	20	
n-Propylbenzene	ug/L	ND	5000	5000	5000	5040	100	101	39-145	1	20	
Naphthalene	ug/L	ND	5000	5000	4900	4900	93	93	51-135	0	20	
p-Isopropyltoluene	ug/L	ND	5000	5000	4720	4710	94	94	38-145	0	20	
sec-Butylbenzene	ug/L	ND	5000	5000	4910	4910	98	98	33-153	0	20	
Styrene	ug/L	ND	5000	5000	5150	5330	103	107	57-141	3	20	
tert-Butylbenzene	ug/L	ND	5000	5000	5170	5210	103	104	45-145	1	20	
Tetrachloroethene	ug/L	ND	5000	5000	5330	5490	107	110	43-149	3	20	
Toluene	ug/L	19000	5000	5000	23400	23800	88	96	57-137	2	20	
trans-1,2-Dichloroethene	ug/L	ND	5000	5000	4570	4650	91	93	63-133	2	20	
trans-1,3-Dichloropropene	ug/L	ND	5000	5000	4970	5150	99	103	56-140	4	20	
trans-1,4-Dichloro-2-butene	ug/L	ND	5000	5000	3990J	4090J	80	82	36-169		20	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Road Ranger 226
Pace Project No.: 50366965

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3562930 3562931

Parameter	Units	50366659001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Trichloroethene	ug/L	ND	5000	5000	4760	4870	95	97	52-145	2	20	
Trichlorofluoromethane	ug/L	ND	5000	5000	3660	3780	73	76	52-144	3	20	
Vinyl acetate	ug/L	ND	20000	20000	19900	20200	99	101	27-179	2	20	
Vinyl chloride	ug/L	ND	5000	5000	3810	3820	76	76	43-139	0	20	
Xylene (Total)	ug/L	8640	15000	15000	23000	23600	96	100	52-137	3	20	
4-Bromofluorobenzene (S)	%.						96	96	79-124			
Dibromofluoromethane (S)	%.						95	96	82-128			
Toluene-d8 (S)	%.						102	102	73-122			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3563060 3563061

Parameter	Units	50366965003 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	32.7	33.3	65	67	60-150	2	20	
1,1,1-Trichloroethane	ug/L	ND	50	50	34.9	34.1	70	68	63-138	2	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	48.1	49.2	96	98	58-146	2	20	
1,1,2-Trichloroethane	ug/L	ND	50	50	45.3	43.4	90	86	63-142	4	20	
1,1-Dichloroethane	ug/L	ND	50	50	37.3	36.2	75	72	64-138	3	20	
1,1-Dichloroethene	ug/L	ND	50	50	37.9	35.7	76	71	65-139	6	20	
1,1-Dichloropropene	ug/L	ND	50	50	40.8	39.6	82	79	68-155	3	20	
1,2,3-Trichlorobenzene	ug/L	ND	50	50	17.3	20.8	35	42	32-141	18	20	
1,2,3-Trichloropropane	ug/L	ND	50	50	48.5	48.9	97	98	54-144	1	20	
1,2,4-Trichlorobenzene	ug/L	ND	50	50	14.9	16.3	30	33	31-140	9	20	M1
1,2,4-Trimethylbenzene	ug/L	ND	50	50	21.3	22.5	40	43	34-144	6	20	
1,2-Dibromoethane (EDB)	ug/L	ND	50	50	43.6	42.4	87	85	64-139	3	20	
1,2-Dichlorobenzene	ug/L	ND	50	50	27.1	27.1	54	54	50-136	0	20	
1,2-Dichloroethane	ug/L	ND	50	50	32.3	31.6	65	63	55-146	2	20	
1,2-Dichloropropane	ug/L	ND	50	50	36.7	36.1	73	72	66-134	2	20	
1,3,5-Trimethylbenzene	ug/L	ND	50	50	23.3	25.4	40	44	29-151	9	20	
1,3-Dichlorobenzene	ug/L	ND	50	50	24.8	25.1	50	50	47-133	1	20	
1,3-Dichloropropane	ug/L	ND	50	50	43.8	42.4	88	85	61-144	3	20	
1,4-Dichlorobenzene	ug/L	ND	50	50	25.8	26.0	52	52	50-131	1	20	
2,2-Dichloropropane	ug/L	ND	50	50	35.0	33.8	70	68	33-146	3	20	
2-Butanone (MEK)	ug/L	ND	250	250	202	197	80	78	45-155	3	20	
2-Chlorotoluene	ug/L	ND	50	50	25.6	26.2	51	52	43-142	2	20	
2-Hexanone	ug/L	ND	250	250	220	216	88	87	48-157	1	20	
4-Chlorotoluene	ug/L	ND	50	50	26.6	27.4	53	55	47-137	3	20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	250	216	212	86	85	53-156	2	20	
Acetone	ug/L	ND	250	250	194	189	74	72	16-162	3	20	
Acrolein	ug/L	ND	1000	1000	700	683	70	68	39-184	2	20	
Acrylonitrile	ug/L	ND	250	250	204	198	81	79	58-140	3	20	
Benzene	ug/L	ND	50	50	38.1	36.9	76	74	65-137	3	20	
Bromobenzene	ug/L	ND	50	50	28.3	27.9	57	56	56-137	2	20	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Road Ranger 226
Pace Project No.: 50366965

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3563060 3563061

Parameter	Units	50366965003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Bromochloromethane	ug/L	ND	50	50	33.6	32.8	67	66	56-139	2	20	
Bromodichloromethane	ug/L	ND	50	50	33.5	33.5	67	67	61-149	0	20	
Bromoform	ug/L	ND	50	50	37.4	38.3	75	77	51-138	2	20	
Bromomethane	ug/L	ND	50	50	18.8	19.4	37	38	10-169	3	20	
Carbon disulfide	ug/L	ND	50	50	34.1	31.8	67	63	55-126	7	20	
Carbon tetrachloride	ug/L	ND	50	50	31.3	31.5	63	63	65-156	0	20	M1
Chlorobenzene	ug/L	ND	50	50	32.6	32.9	65	66	54-135	1	20	
Chloroethane	ug/L	ND	50	50	31.4	29.4	63	59	46-142	6	20	
Chloroform	ug/L	ND	50	50	36.0	35.2	72	70	64-133	2	20	
Chloromethane	ug/L	ND	50	50	27.2	25.6	54	51	30-139	6	20	
cis-1,2-Dichloroethene	ug/L	ND	50	50	38.8	38.0	78	76	59-141	2	20	
cis-1,3-Dichloropropene	ug/L	ND	50	50	43.0	42.2	86	84	57-141	2	20	
Dibromochloromethane	ug/L	ND	50	50	37.4	37.6	75	75	59-147	1	20	
Dibromomethane	ug/L	ND	50	50	36.6	35.9	73	72	64-142	2	20	
Dichlorodifluoromethane	ug/L	ND	50	50	13.4	12.2	27	24	10-144	9	20	
Ethyl methacrylate	ug/L	ND	50	50	45.1J	43.7J	90	87	58-147		20	
Ethylbenzene	ug/L	ND	50	50	28.0	29.2	56	58	50-143	4	20	
Hexachloro-1,3-butadiene	ug/L	ND	50	50	8.0	10.1	16	20	16-155	23	20	R1
Iodomethane	ug/L	ND	50	50	13.8	15.4	27	30	10-154	11	20	
Isopropylbenzene (Cumene)	ug/L	ND	50	50	20.1	21.5	40	43	36-151	7	20	
Methyl-tert-butyl ether	ug/L	ND	50	50	36.9	36.3	74	73	66-138	2	20	
Methylene Chloride	ug/L	ND	50	50	39.6	38.3	79	77	53-126	3	20	
n-Butylbenzene	ug/L	ND	50	50	13.2	16.1	26	32	31-142	20	20	M1
n-Hexane	ug/L	ND	50	50	19.7	23.3	39	47	53-129	17	20	M1
n-Propylbenzene	ug/L	ND	50	50	25.6	26.4	51	53	39-145	3	20	
Naphthalene	ug/L	ND	50	50	24.4	24.1	49	48	51-135	1	20	M1
p-Isopropyltoluene	ug/L	ND	50	50	14.8	17.0	28	33	38-145	14	20	M1
sec-Butylbenzene	ug/L	ND	50	50	14.1	16.4	28	33	33-153	15	20	M1
Styrene	ug/L	ND	50	50	30.6	30.6	61	61	57-141	0	20	
tert-Butylbenzene	ug/L	ND	50	50	17.1	18.9	34	38	45-145	10	20	M1
Tetrachloroethene	ug/L	ND	50	50	29.0	31.5	58	63	43-149	8	20	
Toluene	ug/L	ND	50	50	37.2	36.9	74	73	57-137	1	20	
trans-1,2-Dichloroethene	ug/L	ND	50	50	37.9	36.4	76	73	63-133	4	20	
trans-1,3-Dichloropropene	ug/L	ND	50	50	41.6	40.4	83	81	56-140	3	20	
trans-1,4-Dichloro-2-butene	ug/L	ND	50	50	31.9J	31.3J	64	63	36-169		20	
Trichloroethene	ug/L	ND	50	50	37.2	36.7	74	73	52-145	1	20	
Trichlorofluoromethane	ug/L	ND	50	50	31.1	29.1	62	58	52-144	7	20	
Vinyl acetate	ug/L	ND	200	200	151	148	75	74	27-179	2	20	
Vinyl chloride	ug/L	ND	50	50	30.3	28.4	61	57	43-139	6	20	
Xylene (Total)	ug/L	ND	150	150	78.5	80.6	52	54	52-137	3	20	
4-Bromofluorobenzene (S)	%.						91	93	79-124			
Dibromofluoromethane (S)	%.						97	97	82-128			
Toluene-d8 (S)	%.						107	107	73-122			

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Road Ranger 226
Pace Project No.: 50366965

QC Batch: 778268
QC Batch Method: EPA 3511
Analysis Method: EPA 8270 by SIM 40E
Analysis Description: 8270 Water PAH 40 by SIM MSSV
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50366965001, 50366965002, 50366965003, 50366965004, 50366965005, 50366965006, 50366965007

METHOD BLANK: 3561897 Matrix: Water
Associated Lab Samples: 50366965001, 50366965002, 50366965003, 50366965004, 50366965005, 50366965006, 50366965007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	ND	1.0	03/04/24 21:43	
2-Methylnaphthalene	ug/L	ND	1.0	03/04/24 21:43	
Acenaphthene	ug/L	ND	1.0	03/04/24 21:43	
Acenaphthylene	ug/L	ND	1.0	03/04/24 21:43	
Anthracene	ug/L	ND	0.10	03/04/24 21:43	
Benzo(a)anthracene	ug/L	ND	0.10	03/04/24 21:43	
Benzo(a)pyrene	ug/L	ND	0.10	03/04/24 21:43	
Benzo(b)fluoranthene	ug/L	ND	0.10	03/04/24 21:43	
Benzo(g,h,i)perylene	ug/L	ND	0.10	03/04/24 21:43	
Benzo(k)fluoranthene	ug/L	ND	0.10	03/04/24 21:43	
Chrysene	ug/L	ND	0.50	03/04/24 21:43	
Dibenz(a,h)anthracene	ug/L	ND	0.10	03/04/24 21:43	
Fluoranthene	ug/L	ND	1.0	03/04/24 21:43	
Fluorene	ug/L	ND	1.0	03/04/24 21:43	
Indeno(1,2,3-cd)pyrene	ug/L	ND	0.10	03/04/24 21:43	
Naphthalene	ug/L	ND	1.0	03/04/24 21:43	
Phenanthrene	ug/L	ND	1.0	03/04/24 21:43	
Pyrene	ug/L	ND	1.0	03/04/24 21:43	
2-Fluorobiphenyl (S)	%.	86	45-127	03/04/24 21:43	
p-Terphenyl-d14 (S)	%.	119	75-157	03/04/24 21:43	

LABORATORY CONTROL SAMPLE: 3561898

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/L	24.7	25.7	104	53-120	
2-Methylnaphthalene	ug/L	24.7	23.0	93	47-113	
Acenaphthene	ug/L	24.7	24.8	100	62-123	
Acenaphthylene	ug/L	24.7	27.9	113	57-131	
Anthracene	ug/L	24.7	21.6	87	49-128	
Benzo(a)anthracene	ug/L	24.7	28.7	116	77-147	
Benzo(a)pyrene	ug/L	24.7	30.6	124	68-145	
Benzo(b)fluoranthene	ug/L	24.7	32.6	132	77-133	
Benzo(g,h,i)perylene	ug/L	24.7	30.0	122	58-135	
Benzo(k)fluoranthene	ug/L	24.7	31.0	126	80-143	
Chrysene	ug/L	24.7	29.6	120	74-136	
Dibenz(a,h)anthracene	ug/L	24.7	29.1	118	62-147	
Fluoranthene	ug/L	24.7	30.2	122	88-143	
Fluorene	ug/L	24.7	27.6	112	78-132	
Indeno(1,2,3-cd)pyrene	ug/L	24.7	29.6	120	49-150	

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, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Road Ranger 226
Pace Project No.: 50366965

LABORATORY CONTROL SAMPLE: 3561898

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Naphthalene	ug/L	24.7	24.6	99	55-114	
Phenanthrene	ug/L	24.7	29.7	120	77-130	
Pyrene	ug/L	24.7	30.4	123	66-140	
2-Fluorobiphenyl (S)	%.			87	45-127	
p-Terphenyl-d14 (S)	%.			112	75-157	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3561899 3561900

Parameter	Units	50366965003 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	29.3	24.6	25	53.0	56.7	96	110	41-125	7	20	
2-Methylnaphthalene	ug/L	ND	24.6	25	32.8	32.6	133	130	38-113	1	20	M1
Acenaphthene	ug/L	11.6	24.6	25	36.5	37.5	101	104	47-128	3	20	
Acenaphthylene	ug/L	ND	24.6	25	35.1	34.8	143	139	44-135	1	20	M1
Anthracene	ug/L	ND	24.6	25	31.8	32.7	129	131	49-120	3	20	M1
Benzo(a)anthracene	ug/L	ND	24.6	25	36.2	37.3	147	149	76-143	3	20	M1
Benzo(a)pyrene	ug/L	ND	24.6	25	29.3	28.3	119	113	64-141	4	20	
Benzo(b)fluoranthene	ug/L	ND	24.6	25	29.9	28.5	121	114	77-127	5	20	
Benzo(g,h,i)perylene	ug/L	ND	24.6	25	23.3	22.3	94	89	53-129	4	20	
Benzo(k)fluoranthene	ug/L	ND	24.6	25	28.4	26.9	115	108	77-140	5	20	
Chrysene	ug/L	ND	24.6	25	27.9	27.1	106	102	75-129	3	20	
Dibenz(a,h)anthracene	ug/L	ND	24.6	25	25.1	24.1	102	96	57-142	4	20	
Fluoranthene	ug/L	ND	24.6	25	39.6	41.2	161	165	86-139	4	20	M1
Fluorene	ug/L	12.6	24.6	25	41.2	45.5	116	132	64-138	10	20	
Indeno(1,2,3-cd)pyrene	ug/L	ND	24.6	25	24.2	23.3	98	93	46-143	4	20	
Naphthalene	ug/L	ND	24.6	25	46.7	51.9	189	207	49-112	11	20	D3,M1
Phenanthrene	ug/L	ND	24.6	25	43.0	43.6	174	175	74-128	2	20	M1
Pyrene	ug/L	48.6	24.6	25	80.8	80.2	131	127	65-140	1	20	
2-Fluorobiphenyl (S)	%.						98	96	45-127			
p-Terphenyl-d14 (S)	%.						125	112	75-157			

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, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: Road Ranger 226
Pace Project No.: 50366965

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.

TNTC - Too Numerous To Count

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 - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

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.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

1d	Neither matrix spike nor matrix precision data could be provided for this analytical batch due to insufficient sample volume.
D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R1	RPD value was outside control limits.
S5	Surrogate recovery outside control limits due to matrix interferences (not confirmed by re-analysis).

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Road Ranger 226
Pace Project No.: 50366965

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50366965001	**B-10-WT**	EPA 3010	778128	EPA 6010	779250
50366965002	**B-11-WT**	EPA 3010	778128	EPA 6010	779250
50366965003	**B-12-WT**	EPA 3010	778128	EPA 6010	779250
50366965004	**B-13-WT**	EPA 3010	778128	EPA 6010	779250
50366965005	**B-14-WT**	EPA 3010	778128	EPA 6010	779250
50366965006	**B-15-WT**	EPA 3010	778128	EPA 6010	779250
50366965007	**Dup-WT**	EPA 3010	778128	EPA 6010	779250
50366965001	**B-10-WT**	EPA 3511	778268	EPA 8270 by SIM 40E	778580
50366965002	**B-11-WT**	EPA 3511	778268	EPA 8270 by SIM 40E	778580
50366965003	**B-12-WT**	EPA 3511	778268	EPA 8270 by SIM 40E	778580
50366965004	**B-13-WT**	EPA 3511	778268	EPA 8270 by SIM 40E	778580
50366965005	**B-14-WT**	EPA 3511	778268	EPA 8270 by SIM 40E	778580
50366965006	**B-15-WT**	EPA 3511	778268	EPA 8270 by SIM 40E	778580
50366965007	**Dup-WT**	EPA 3511	778268	EPA 8270 by SIM 40E	778580
50366965001	**B-10-WT**	EPA 8260	778518		
50366965002	**B-11-WT**	EPA 8260	778518		
50366965003	**B-12-WT**	EPA 8260	778518		
50366965004	**B-13-WT**	EPA 8260	778518		
50366965005	**B-14-WT**	EPA 8260	778518		
50366965006	**B-15-WT**	EPA 8260	778518		
50366965007	**Dup-WT**	EPA 8260	778518		
50366965008	**TB-WT**	EPA 8260	778292		

Pace

CHAIN-OF-CUSTODY / Analytica

WO# : 50366965

50366965

The Chain-of-Custody is a LEGAL DOCUMENT. All

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions fou

Page 1 Of 1

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Atlas Indianapolis	Report To: Phil Schlak	Attention:
Address: 7988 Centerpoint Drive	Copy To:	Company Name:
Suite 100, Indianapolis, IN 46256		Address:
Email: phil.schlak@atcgs.com	Purchase Order #:	Pace Quote:
Phone: 317-579-4033 Fax:	Project Name: Road Ranger 226	Pace Project Manager: will.statz@pacelabs.com,
Requested Due Date: STD	Project #: 170EM01168	Pace Profile #: 3374/7

Regulatory Agency	State / Location
	IN

SAMPLE ID
One Character per box.
(A-Z, 0-9 / , -)
Sample Ids must be unique

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	VOC by 8260	PAH by 8270	Total Lead by 6010	Residual Chlorine (Y/N)	
1	B-10-WT	WT	G			2/27/24	1735		7	X		X	X						X	X	X		001
2	B-11-WT						1745		7														002
3	B-12-WT						1805		21														003
4	B-13-WT						1835		7														004
5	B-14-WT						1845		7														005
6	B-15-WT						1855		7														006
7	DUP-WT						—		7														007
8	TB-WT						1720		3														
9																							
10																							
11																							
12																							

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Katie Van Hoy / Atlas	2/28/24	1252	pace	2/28/24	1252	
	pace	2/28/24	1430		2/28/24	1430	1.0 Y N Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Katie Van Hoy

SIGNATURE of SAMPLER: Katie Van Hoy

DATE Signed: 2/27/24

TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
1.0	Y	N	Y

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: LR 2/28/24 1748

1. Courier: ☐ FED EX ☐ UPS ☐ CLIENT ☒ PACE ☐ NOW/JETT ☐ OTHER _____

2. Custody Seal on Cooler/Box Present: ☐ Yes ☒ No

(If yes)Seals Intact: ☐ Yes ☐ No (leave blank if no seals were present)

3. Thermometer: 1 2 3 4 5 6 7 8 A B C D E F G H

4. Cooler Temperature(s): 1.2/1.0 | | | |
(Initial/Corrected) RECORD TEMPS OF ALL COOLERS RECEIVED (use Comments below to add more)

5. Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other _____

6. Ice Type: ☒ Wet ☐ Blue ☐ None

7. If temp. is over 6°C or under 0°C, was the PM notified?: ☐ Yes ☐ No
Cooler temp should be above freezing to 6°C

All discrepancies will be written out in the comments section below.

	Yes	No		Yes	No	N/A
USDA Regulated Soils? (HI, ID, NY, WA, OR,CA, NM, TX, OK, AR, LA, TN, AL, MS, NC, SC, GA, FL, or Puerto Rico)		X	All containers needing acid/base preservation have been pH CHECKED?: **Exceptions: VOA, coliform, LLHg, O&G, RAD CHEM, and any container with a septum cap or preserved with HCl.** Circle: **HNO3 (<2) H2SO4 (<2) NaOH (>10) NaOH/ZnAc (>9)** Any non-conformance to pH recommendations will be noted on the container count form	X		
Short Hold Time Analysis (48 hours or less)? Analysis:		X				
Time 5035A TC placed in Freezer or Short Holds To Lab	Time:			Present	Absent	N/A
			Residual Chlorine Check (SVOC 625 Pest/PCB 608)			X
Rush TAT Requested (4 days or less):		X	Residual Chlorine Check (Total/Amenable/Free Cyanide)			X
Custody Signatures Present?	X		Headspace Wisconsin Sulfide?			X
Containers Intact?:	X		Headspace in VOA Vials (>6mm): See Containter Count form for details	Present	Absent X	No VOA Vials Sent
Sample Label (IDs/Dates/Times) Match COC?: Except TCs, which only require sample ID	X		Trip Blank Present?	X	~~X~~ LR 2/28	
Extra labels on Terracore Vials? (soils only)		X	Trip Blank Custody Seals?:	X		

COMMENTS:

COC PAGE 1 of 1

Sample Container Count

** Place a RED dot on containers that are out of conformance **

COC Line Item	WGFU	WGKU BG1U	MeOH (only) SBS DI R	DG9H	VG9H	VOA VIAL HS >6mm	VG9U	DG9U	VG9T	AMBER GLASS: AG0U	AG1H	AG1U	AG3U	AG3S	AG3SF	AG3B	PLASTIC: BP1U	BP1N	BP2U	BP3U	BP3N	BP3F	BP3S	BP3B	BP3Z	OTHER: CG3H	CG3F	Syringe Kit		Matrix	Nitric Red HNO3 <2	Sulfuric Yellow H2SO4 <2	Sodium Hydroxide Green NaOH >10	Sodium Hydroxide/ ZnAc Black NaOH/Zn Ac >9
1				3			3														1									W				
2				5			5														1													
3				9			9														3													
4				3			3														1													
5																																		
6																																		
7							14														14													
8				14																									W					
9																																		
10																																		
11																																		
12																																		

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	glass
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass
DG9S	40mL H2SO4 amber vial	CG3U	250mL Unpres Clear Glass
DG9T	40mL Na Thio amber vial	AG0U	100mL unpres amber glass
DG9U	40mL unpreserved amber vial	AG1H	1L HCl amber glass
VG9H	40mL HCl clear vial	AG1S	1L H2SO4 amber glass
VG9T	40mL Na Thio. clear vial	AG1T	1L Na Thiosulfate amber glass
VG9U	40mL unpreserved clear vial	AG1U	1liter unpres amber glass
I	40mL w/hexane wipe vial	AG2N	500mL HNO3 amber glass
WGKU	8oz unpreserved clear jar	AG2S	500mL H2SO4 amber glass
WGFU	4oz clear soil jar	AG2U	500mL unpres amber glass
JGFU	4oz unpreserved amber wide	AG3S	250mL H2SO4 amber glass
CG3H	250mL clear glass HCl	AG3SF	250mL H2SO4 amb glass -field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3U	250mL unpres amber glass
BG1H	1L HCl clear glass	AG3B	250mL NaOH amber glass
BG1S	1L H2SO4 clear glass		

Plastic

BP1B	1L NaOH plastic	BP4U	125mL unpreserved plastic
BP1N	1L HNO3 plastic	BP4N	125mL HNO3 plastic
BP1S	1L H2SO4 plastic	BP4S	125mL H2SO4 plastic
BP1U	1L unpreserved plastic		
BP1Z	1L NaOH, Zn, Ac		
BP2N	500mL HNO3 plastic		
BP2C	500mL NaOH plastic		
BP2S	500mL H2SO4 plastic		
BP2U	500mL unpreserved plastic		
BP2Z	500mL NaOH, Zn Ac		
BP3B	250mL NaOH plastic		
BP3N	250mL HNO3 plastic		
BP3F	250mL HNO3 plastic-field filtered		
BP3U	250mL unpreserved plastic		
BP3S	250mL H2SO4 plastic		
BP3Z	250mL NaOH, ZnAc plastic		
BP3R	250mL Unpres. FF SO4/OH buffer		

Miscellaneous

Syringe Kit	LL Cr+6 sampling kit
ZPLC	Ziploc Bag
R	Terracore Kit
SP5T	120mL Coliform Sodium Thiosulfate
GN	General Container
U	Summa Can (air sample)
WT	Water
SL	Solid
OL:	Oil
NAL	Non-aqueous liquid
WP	Wipe

Jordan, Sherry

From: Phil Schlak <phil.schlak@oneatlas.com>
Sent: Friday, June 28, 2024 12:07 PM
To: LeakingUST
Subject: Road Ranger 226 FID 6550 UST Closure Report - Part 1
Attachments: Road Ranger 226 FID 6550 UST Closure Rpt 6-28-24 A.pdf

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Good afternoon IDEM Staff!

Attached is Part 1 of the UST Closure Report for the Road Ranger 226 store (IDEM FID 6550). Due to the file size, this file was separated for electronic submission purposes. Please integrate the file with the remainder of the report that will be submitted in a subsequent email. If you have any comments or questions, please let me know.

Thanks,
Phil

Phil Schlak
Senior Manager / Engineer

ATLAS

7988 Centerpoint Drive, Suite 100
Indianapolis, Indiana 46256
O: 317.579.4033 | **C:** 317.697.7088
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THINK 12
Think Safe | Work Safe | Live Safe

ENR #9 Top Environmental Management Firm
ENR #15 Top Construction Management Firm
ENR #47 Top Program Management Firm