McBeth, Kevin A

From: Shawn Husband <s.husband@e-enviro.com>
Sent: Thursday, April 25, 2024 2:34 PM
To: McBeth, Kevin A
Subject: Re: Vigo County/I-70 Exit 11 5/22/23/IDEM 107177
Attachments: 4014 REM Narrative.pdf; 4014 REM Results.pdf; 4014 Manifest.pdf; Republic 4014 inv.pdf

Kevin,

Please see attached documents regarding this incident. Thank you

Shawn Husband
Regional Supervisor
2918 S 1st St.
Terre Haute, IN 47802
O: 844-95-SPILL | C: 812-248-8097
E: s.husband@e-enviro.com

From: Shawn Husband <s.husband@e-enviro.com>
Date: Monday, March 25, 2024 at 10:45
To: McBeth, Kevin A <KMcbeth@idem.IN.gov>
Subject: Re: Vigo County/I-70 Exit 11 5/22/23/IDEM 107177

I should have it to you by the end of the week. I am off tomorrow and will have it done when I get back.

Shawn Husband
Regional Supervisor
2918 S 1st St.
Terre Haute, IN 47802
O: 844-95-SPILL | C: 812-248-8097
E: s.husband@e-enviro.com

From: McBeth, Kevin A <KMcbeth@idem.IN.gov>
Sent: Monday, March 25, 2024 10:44:05 AM
To: Shawn Husband <s.husband@e-enviro.com>
Subject: RE: Vigo County/I-70 Exit 11 5/22/23/IDEM 107177

Thank you, keep me updated when disposal documentation and spill report are finished.

Kevin A. McBeth
Emergency Response – On Scene Coordinator
Indiana Department of Environmental Management
Shadeland Office
2525 N Shadeland Avenue
Indianapolis, IN 46219
Office: 317-308-3372
Cell: 317-779-8882
kmcbeth@idem.in.gov
24-Hour Emergency Spill Line
(888) 233-7745
www.idem.IN.gov

From: Shawn Husband <s.husband@e-enviro.com>
Sent: Monday, March 25, 2024 10:41 AM
To: McBeth, Kevin A <KMcbeth@idem.IN.gov>
Subject: Re: Vigo County/I-70 Exit 11 5/22/23/IDEM 107177

Yes, the permit # is E24COB0050.

Shawn Husband
Regional Supervisor
2918 S 1st St.
Terre Haute, IN 47802
O: 844-95-SPILL | C: 812-248-8097
E: s.husband@e-enviro.com

From: McBeth, Kevin A <KMcbeth@idem.IN.gov>
Date: Monday, March 25, 2024 at 10:38
To: Shawn Husband <s.husband@e-enviro.com>
Subject: RE: Vigo County/I-70 Exit 11 5/22/23/IDEM 107177

Yes,

We would need PAH confirmatory sampling. Also, do you have the INDOT dig permit number?

Kevin A. McBeth
Emergency Response – On Scene Coordinator
Indiana Department of Environmental Management
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Indianapolis, IN 46219
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Cell: 317-779-8882
kmcbeth@idem.in.gov
24-Hour Emergency Spill Line
(888) 233-7745
www.idem.IN.gov

From: Shawn Husband <s.husband@e-enviro.com>
Sent: Monday, March 25, 2024 10:33 AM
To: McBeth, Kevin A <KMcbeth@idem.IN.gov>
Subject: Re: Vigo County/I-70 Exit 11 5/22/23/IDEM 107177

Good Morning,

We have this remediation scheduled for tonight per INDOT Standards. Are you requiring PAH analysis for confirmatory samples? Thank you.

Shawn Husband
Regional Supervisor
2918 S 1st St.
Terre Haute, IN 47802
O: 844-95-SPILL | C: 812-248-8097
E: s.husband@e-enviro.com

From: McBeth, Kevin A <KMcbeth@idem.IN.gov>
Date: Wednesday, October 11, 2023 at 11:56
To: Shawn Husband <s.husband@e-enviro.com>
Subject: RE: Vigo County/I-70 Exit 11 5/22/23

Shawn,

The incident number for this will be 107177. Thank you for the update.

Kevin A. McBeth
Emergency Response – Spill Response Coordinator
Indiana Department of Environmental Management
Shadeland Office
2525 N Shadeland Avenue
Indianapolis, IN 46219
Office: 317-308-3372
Cell: 317-779-8882
kmcbeth@idem.in.gov
24-Hour Emergency Spill Line (888) 233-7745
www.idem.IN.gov

From: Shawn Husband <s.husband@e-enviro.com>
Sent: Wednesday, October 11, 2023 8:28 AM
To: McBeth, Kevin A <KMcbeth@idem.IN.gov>
Subject: Vigo County/I-70 Exit 11 5/22/23

Good Morning,

We are needing the IDEM number for the above-mentioned location/date with Select 1 Transport being the responsible party. Their insurance is requesting the IDEM number as we have sent an estimate to them to complete the remediation. We have not received any approval yet but want to get them this information so we can hopefully move forward with remediation scheduling.

Shawn Husband
Regional Supervisor
2918 S 1st St.
Terre Haute, IN 47802
O: 844-95-SPILL | C: 812-248-8097
E: s.husband@e-enviro.com

Date: 3/25/24

Time of Call: 2100

E-Enviro Incident #: TH-2023-4014

E-Enviro Site Supervisor: S. Husband

Incident Location: I-70 EB Exit 11-B Offramp Terre Haute, IN
(City, County, State, Mile Marker)

Spill Area Dimension: 25' x 50'

Responsible Party: Select 1 Transport

Weather: 60 F Rainy

E-Environmental Solutions, LLC (E-Environmental) remediation crews arrived on site after traffic control was set per DOT standards. Equipment, operators, dirt/rock haulers all met for safety brief. Action plans discussed along with safety hazards due to weather coming into the area.

Skid steer was offloaded from the trailer and brought to the excavation site, rock hauled in was dumped in designated area. Skid steer began work at the north side of the spill area removing approximately 6" of soil in the impacted area. Field screens performed throughout excavated area. Another 2" of soil removed via skid steer, and further field screens performed. Once field screens were all clear skid steer then worked on impacted shoulder stone. All excavated material was placed on shoulder of the off ramp to be loaded into dump truck. Dump truck arrived on site and fresh top soil was dumped in designated area.

E-Environmental crews obtained samples per IDEM request to be analyzed for PAH's and placed on ice in cooler.

Skid steer began leveling the top soil and returning area to prior topography along with shoulder stone. Grass seed applied to all fresh top soil, erosion matting placed and secured with stakes. All excavated material was then placed into a lined dump truck. Roadway was cleared of all debris.

All equipment and personnel completed from the site. Samples will be taken to the lab and excavated soil to the landfill at a later date. No further actions should be necessary at this location.

SYCAMORE RIDGE LANDFILL
12820 S CUMMINSVILLE ST
PIMENTO, IN 47866-9568

REPUBLIC SERVICES

INVOICE

Invoice Date	03/31/2024
Invoice No	3267-000014025
Customer No	4-3267-0333475
Page No	1 of 2
Due Date	04/20/2024

E ENVIRONMENTAL SOLUTIONS LLC
PO BOX 1137
EFFINGHAM, IL 62401

Current Charges	Total Amount Due
$432.53	**$432.53**

Please Pay Total Amount Due

Billing Questions? Call 812-298-2130

Late fees of 1.5% will be charged on all open Invoices past 45 days.
Personal Protective equipment must be worn when driver/passenger is out of truck

Date	Code	Description	Reference	Rate	Quantity	Amount
10/31		Balance Forward				471.97
11/28		Payment 0003814				-471.97
03/28	VH	SW-CONT W/FUEL	01 690992	40.00	10.37 TN	414.80
03/28	VH	Reference: EWS				
03/28	VH	Vehicle: PU1				
03/28	VH	Contract: 32672318773				
		HOST FEE TONS at 1.71/TN		0.00	10.37	17.73
		---------- Material Summary ----------				
		SW-CONT W/FUEL			10.37	
					Total Current Charges ==========>	$432.53

ACCOUNT STATUS

Current	31-60 Days	61-90 Days	Over 90 Days	Total Amount Due
$432.53	0.00	0.00	0.00	$432.53

↓ ↓ Please return this portion below with your payment. Do not attach check to stub. ↓ ↓

REPUBLIC SERVICES

SYCAMORE RIDGE LANDFILL
12820 S CUMMINSVILLE ST
PIMENTO, IN 47866-9568

Invoice Date	03/31/2024
Invoice No.	3267-000014025
Customer No.	4-3267-0333475

Current Charges:	$432.53
Total Amount Due:	$432.53
Amount Paid:	_____

☐ Please check if address has changed, and indicate change(s) on reverse side or call phone number above.

Please write your account number on your check and make payable to:

E ENVIRONMENTAL SOLUTIONS LLC
PO BOX 1137
EFFINGHAM, IL 62401

Please Return Payment To:
SYCAMORE RIDGE LANDFILL
P.O. BOX 932899
CLEVELAND, OH 44193-0025

43267033347500000000140250000432530000432530

Dump Truck

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

I. GENERATOR (Generator completes Ia-s)

a. Generator's US EPA ID Number NA	b. Manifest Document Number NA	c. Page 1 of 1

d. Generator's Information:	e. Billing Information:
Select 1 Transport **I-70 EB MM 11 Offramp** **Terre Haute, IN 47802** **248-602-3244** **County: Vigo**	**E-Environmental Solutions** **PO Box 1137** **Effingham, IL 62401** **Rob Workman** **TRUX Account # 333475**
Generator site location (if different): i. Site Location:	j. Phone No:

k. Waste Profile #	l. Exp. Date	m. Waste Shipping Name and Description	n. Containers No.	n. Containers Type	o. Total Quantity	p. Unit Wt/Vol
3267 23 18773	**12/14/2024**	**Diesel Fuel Impacted Soil / Debris**				

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

q. Generator Authorized Agent Name (Print)	r. Signature	s. Date
X Shawn Husband	X	X 3/27/24

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

Transporter's Name and Address:
X. E-W S

Phone: X 812-234-5697

c. Driver Name (Print)	d. Signature	e. Date
x. Chad Meadows		3-28-24

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Sycamore Ridge Landfill **5621 E. Cottom DR** **Pimento, IN 47866** b. Phone: **812-299-9227**	**IDEM #84-06**	

I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		3-28-24

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
Not Applicable	Not Applicable

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

FWS

SYCAMORE RIDGE LANDFILL --
5621 E Cottom Rd -Pimento, IN 47866

01 690992

IN - Crystal D. OUT - Jessica K.

333475
E ENVIRONMENTAL SOLUTIONS LLC
PO BOX 1137
EFFINGHAM, IL 62401

3/28/24 11:28 am 3/28/24 11:49 am

PU1

EWS

Contract:32672318773
Generator:Select 1 Transport

SCALE IN	GROSS WEIGHT	35,740	NET TONS	10.37	INBOUND
SCALE OUT	TARE WEIGHT	15,000	NET WEIGHT	20,740	INVOICE

20.00 YD Tracking QTY
10.37 tn SW-CONT W/FUEL Origin:VIGO IN 100%

Signature _____

Driver Signature _____

Pace Analytical Services, LLC
P.O. Box 907
Madisonville, KY 42431
270.821.7375
www.pacelabs.com

Certificate of Analysis
4034939

Shawn Husband
E-Environmental Solutions, LLC
PO Box 1137
Effingham, IL 62401

Customer ID: 44-102329
Report Printed: 04/19/2024 14:30

Project Name:	Haz-Waste Sampling	Workorder:	4034939

Dear Shawn Husband

Enclosed are the analytical results for samples received by the laboratory 03/28/2024 09:40.

The results relate 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:

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

#460210 Madisonville, KY
#460291 Pikeville, KY
#E871136 Englewood, OH

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Rob Whittington, Project Manager

Pace Analytical Services, LLC
P.O. Box 907
Madisonville, KY 42431
270.821.7375
www.pacelabs.com

SAMPLE SUMMARY

Lab ID	Client Sample ID/Alias	Matrix	Date Collected	Date Received	Sampled By
4034939-01	Solid Waste/4014 R1	Solid	03/25/2024 21:34	03/28/2024 9:40	Shawn Husband
4034939-02	Solid Waste/4014 R2	Solid	03/25/2024 21:36	03/28/2024 9:40	Shawn Husband
4034939-03	Solid Waste/4014 R3	Solid	03/25/2024 21:38	03/28/2024 9:40	Shawn Husband

Pace Analytical Services, LLC
P.O. Box 907
Madisonville, KY 42431
270.821.7375
www.pacelabs.com

ANALYTICAL RESULTS

Lab Sample ID: **4034939-01**
Description: **Solid Waste 4014 R1**

Sample Collection Date Time: 03/25/2024 21:34
Sample Received Date Time: 03/28/2024 09:40

Subcontracted Analyses

Analyte	Result	Flag	Units	MRL	MDL	Method	Prepared	Analyzed	Analyst
2-Methylnaphthalene	0	_Sub	ug/kg			SW846-8270 SIM	04/19/2024 14:24	04/19/2024 14:24	RCW
Acenaphthene	0	_Sub	ug/kg			SW846-8270 SIM	04/19/2024 14:24	04/19/2024 14:24	RCW
Acenaphthylene	0	_Sub	ug/kg			SW846-8270 SIM	04/19/2024 14:24	04/19/2024 14:24	RCW
Anthracene	0	_Sub	ug/kg			SW846-8270 SIM	04/19/2024 14:24	04/19/2024 14:24	RCW
Benzo(a)anthracene	0	_Sub	ug/kg			SW846-8270 SIM	04/19/2024 14:24	04/19/2024 14:24	RCW
Benzo(a)pyrene	0	_Sub	ug/kg			SW846-8270 SIM	04/19/2024 14:24	04/19/2024 14:24	RCW
Benzo(b)fluoranthene	0	_Sub	ug/kg			SW846-8270 SIM	04/19/2024 14:24	04/19/2024 14:24	RCW
Benzo(g,h,i)perylene	0	_Sub	ug/kg			SW846-8270 SIM	04/19/2024 14:24	04/19/2024 14:24	RCW
Benzo(k)fluoranthene	0	_Sub	ug/kg			SW846-8270 SIM	04/19/2024 14:24	04/19/2024 14:24	RCW
Chrysene	0	_Sub	ug/kg			SW846-8270 SIM	04/19/2024 14:24	04/19/2024 14:24	RCW
Dibenzo(a,h)anthracene	0	_Sub	ug/kg			SW846-8270 SIM	04/19/2024 14:24	04/19/2024 14:24	RCW
Fluorene	0	_Sub	ug/kg			SW846-8270 SIM	04/19/2024 14:24	04/19/2024 14:24	RCW
Indeno(1,2,3-cd)pyrene	0	_Sub	ug/kg			SW846-8270 SIM	04/19/2024 14:24	04/19/2024 14:24	RCW
Naphthalene	0	_Sub	ug/kg			SW846-8270 SIM	04/19/2024 14:24	04/19/2024 14:24	RCW
Phenanthrene	0	_Sub	ug/kg			SW846-8270 SIM	04/19/2024 14:24	04/19/2024 14:24	RCW
Pyrene	0	_Sub	ug/kg			SW846-8270 SIM	04/19/2024 14:24	04/19/2024 14:24	RCW

ANALYTICAL RESULTS

Lab Sample ID: **4034939-02**
Description: **Solid Waste 4014 R2**

Sample Collection Date Time: 03/25/2024 21:36
Sample Received Date Time: 03/28/2024 09:40

Subcontracted Analyses

Analyte	Result	Flag	Units	MRL	MDL	Method	Prepared	Analyzed	Analyst
2-Methylnaphthalene	0	_Sub	ug/kg			SW846-8270 SIM	04/19/2024 14:24	04/19/2024 14:24	RCW
Acenaphthene	0	_Sub	ug/kg			SW846-8270 SIM	04/19/2024 14:24	04/19/2024 14:24	RCW
Acenaphthylene	0	_Sub	ug/kg			SW846-8270 SIM	04/19/2024 14:24	04/19/2024 14:24	RCW
Anthracene	0	_Sub	ug/kg			SW846-8270 SIM	04/19/2024 14:24	04/19/2024 14:24	RCW
Benzo(a)anthracene	0	_Sub	ug/kg			SW846-8270 SIM	04/19/2024 14:24	04/19/2024 14:24	RCW
Benzo(a)pyrene	0	_Sub	ug/kg			SW846-8270 SIM	04/19/2024 14:24	04/19/2024 14:24	RCW
Benzo(b)fluoranthene	0	_Sub	ug/kg			SW846-8270 SIM	04/19/2024 14:24	04/19/2024 14:24	RCW
Benzo(g,h,i)perylene	0	_Sub	ug/kg			SW846-8270 SIM	04/19/2024 14:24	04/19/2024 14:24	RCW
Benzo(k)fluoranthene	0	_Sub	ug/kg			SW846-8270 SIM	04/19/2024 14:24	04/19/2024 14:24	RCW
Chrysene	0	_Sub	ug/kg			SW846-8270 SIM	04/19/2024 14:24	04/19/2024 14:24	RCW
Dibenzo(a,h)anthracene	0	_Sub	ug/kg			SW846-8270 SIM	04/19/2024 14:24	04/19/2024 14:24	RCW
Fluorene	0	_Sub	ug/kg			SW846-8270 SIM	04/19/2024 14:24	04/19/2024 14:24	RCW
Indeno(1,2,3-cd)pyrene	0	_Sub	ug/kg			SW846-8270 SIM	04/19/2024 14:24	04/19/2024 14:24	RCW
Naphthalene	0	_Sub	ug/kg			SW846-8270 SIM	04/19/2024 14:24	04/19/2024 14:24	RCW
Phenanthrene	0	_Sub	ug/kg			SW846-8270 SIM	04/19/2024 14:24	04/19/2024 14:24	RCW
Pyrene	0	_Sub	ug/kg			SW846-8270 SIM	04/19/2024 14:24	04/19/2024 14:24	RCW

Pace Analytical Services, LLC
P.O. Box 907
Madisonville, KY 42431
270.821.7375
www.pacelabs.com

ANALYTICAL RESULTS

Lab Sample ID: **4034939-03**
Description: **Solid Waste 4014 R3**

Sample Collection Date Time: 03/25/2024 21:38
Sample Received Date Time: 03/28/2024 09:40

Subcontracted Analyses

Analyte	Result	Flag	Units	MRL	MDL	Method	Prepared	Analyzed	Analyst
2-Methylnaphthalene	0	_Sub	ug/kg			SW846-8270 SIM	04/19/2024 14:24	04/19/2024 14:24	RCW
Acenaphthene	0	_Sub	ug/kg			SW846-8270 SIM	04/19/2024 14:24	04/19/2024 14:24	RCW
Acenaphthylene	0	_Sub	ug/kg			SW846-8270 SIM	04/19/2024 14:24	04/19/2024 14:24	RCW
Anthracene	0	_Sub	ug/kg			SW846-8270 SIM	04/19/2024 14:24	04/19/2024 14:24	RCW
Benzo(a)anthracene	0	_Sub	ug/kg			SW846-8270 SIM	04/19/2024 14:24	04/19/2024 14:24	RCW
Benzo(a)pyrene	0	_Sub	ug/kg			SW846-8270 SIM	04/19/2024 14:24	04/19/2024 14:24	RCW
Benzo(b)fluoranthene	0	_Sub	ug/kg			SW846-8270 SIM	04/19/2024 14:24	04/19/2024 14:24	RCW
Benzo(g,h,i)perylene	0	_Sub	ug/kg			SW846-8270 SIM	04/19/2024 14:24	04/19/2024 14:24	RCW
Benzo(k)fluoranthene	0	_Sub	ug/kg			SW846-8270 SIM	04/19/2024 14:24	04/19/2024 14:24	RCW
Chrysene	0	_Sub	ug/kg			SW846-8270 SIM	04/19/2024 14:24	04/19/2024 14:24	RCW
Dibenzo(a,h)anthracene	0	_Sub	ug/kg			SW846-8270 SIM	04/19/2024 14:24	04/19/2024 14:24	RCW
Fluorene	0	_Sub	ug/kg			SW846-8270 SIM	04/19/2024 14:24	04/19/2024 14:24	RCW
Indeno(1,2,3-cd)pyrene	0	_Sub	ug/kg			SW846-8270 SIM	04/19/2024 14:24	04/19/2024 14:24	RCW
Naphthalene	0	_Sub	ug/kg			SW846-8270 SIM	04/19/2024 14:24	04/19/2024 14:24	RCW
Phenanthrene	0	_Sub	ug/kg			SW846-8270 SIM	04/19/2024 14:24	04/19/2024 14:24	RCW
Pyrene	0	_Sub	ug/kg			SW846-8270 SIM	04/19/2024 14:24	04/19/2024 14:24	RCW

Pace Analytical Services, LLC
P.O. Box 907
Madisonville, KY 42431
270.821.7375
www.pacelabs.com

Notes for work order 4034939

- Samples collected by PACE personnel are done so in accordance with procedures set forth in PACE field services SOPs .
- Results contained in this report are only representative of the samples received.
- PACE does not provide interpretation of these results unless otherwise stated .
- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identification based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.

Qualifiers

_Sub	See subcontractors report.

Standard Qualifiers/Acronyms

MDL	Method Detection Limit
MRL	Minimum Reporting Limit
ND	Not Detected
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
% Rec	Percent Recovery
RPD	Relative Percent Difference
>	Greater than
<	Less than

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Prepared: , Analyzed:

Pace Analytical Services, LLC
P.O. Box 907
Madisonville, KY 42431
270.821.7375
www.pacelabs.com

Sample Acceptance Checklist for Work Order 4034939

Shipped By: Client

Temperature: 12.10° Celcius

Condition	
Check if Custody Seals are Present/Intact	☐
Check if Custody Signatures are Present	☑
Check if Collector Signature Present	☑
Check if bottles are intact	☑
Check if bottles are correct	☑
Check if bottles have sufficient volume	☑
Check if samples received on ice	☐
Check if VOA headspace is acceptable	☐
Check if samples received in holding time.	☑
Check if samples are preserved properly	☑

Pace Analytical

Chain-of-Custody is a LEGAL DOCUMENT- Complete all relevant fields

Number Here

ALL SHADED AREAS are for LAB USE ONLY

Company: E-Environmental Solutions, LLC	Billing Information: PO Box 1137 Effingham, IL 62401
Address: PO Box 1137. Effingham, IL 62401	
Report To: s.husband@e-enviro.com	Email To: accounting@e-enviro.com
Copy To: labs@e-enviro.com	Site Collection Info/Address: I-70 EB Exit 11-B
Customer Project Name/Number: 4014 REM	State: IN County/City: /Vigo/Terre Haute / Time Zone Collected: ET
Phone: 812-248-8097 Email: s.husband@e-enviro.com	Site/Facility ID #
Collected by (print): Shawn Husband	Purchase Order # 4035
Collected by (signature):	Quote #
Sample Disposal: [X] Dispose as appropriate [ ] Return [ ] Archive _____ [ ] Hold _____	Turnaround Date Required: _____ RUSH: Same Day Next Day 2 Day 3 Day 4 Day 5 Day (Expedite Charges May Apply)
	Compliance Monitoring? [ ] Yes [X] No
	DW PWS ID #:
	DW Location Code #:
	Immediately Packed on Ice? [X] Yes [ ] No
	Field Filtered (if applicable): [ ] Yes [ ] No Analysis: _____

Container Preservative Type **

Lab Project Manager: 40349439

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

Analyses

LAB Profile/Line:

LAB Sample Receipt Checklist:

Custody Seals Present/Intact	Y	N	NA
Custody Signatures Present	Y	N	NA
Collector Signature Present	Y	N	NA
Bottles intact	Y	N	NA
Correct Bottles	Y	N	NA
Sufficient Volume	Y	N	NA
Samples received on ice	Y	N	NA
VOA - Headspace Acceptable	Y	N	NA
USDA Regulated Soils	Y	N	NA
Samples in holding time	Y	N	NA
Residual Chlorine Present	Y	N	NA
Cl Strips: _____			
Sample pH Acceptable	Y	N	NA
pH Strips: _____			
Sulfide Present	Y	N	NA
Lead Acetate Strips: _____			

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix*	Comp/ Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	PAH									↓ LAB USE ONLY: ↓ Lab Sample # / Comments
4014-R1	SL	Grab	3/25/2024	2134					X									
4014-R2	SL	Grab	3/25/2024	2136					X									
4014-R3	SL	Grab	3/25/2024	2138					X									

Thermometer Serial Number
✓192730243
181458729
Temp 12.1°C

Customer Remarks/ Special Conditions/ Possible Hazards:

Type of Ice Used: Wet [ ] Blue [ ] Dry [ ] None [ ]

SHORT HOLDS PRESENT (< 72 hours): Y N N/A

Packing Material Used:

LAB Tracking #:

Radchem sample(s) screened: (<500 cpm): [ ] Y [ ] N [ ] NA

Samples received via: [ ] FEDEX [ ] UPS [ ] Client [ ] Courier [ ] Pace Courier

MTJL LAB USE ONLY

Table #: _____

ACCT #: _____

Template: _____

Prelogin: _____

PM: _____

PB: _____

LAB Sample Temperature Info:

Temp Blank received: Y N NA

Therm ID #: _____

Cooler Temp Upon Receipt _____ oC

Cooler Therm Corr. Factor _____ oC

Cooler Temp Corrected _____ oC

Comments: _____

Trip Blank Received: Y N N/A

HCL MeOH TSP Other

NonConformance(s): Yes / NO

Page _____ of _____

Relinquished by/Company : (Signature)	Date/Time:	Received by/Company : (Signature)	Date/Time:
	3/28/24 0940		3/28/24 940
Relinquished by/Company : (Signature)	Date/Time:	Received by/Company : (Signature)	Date/Time:
Relinquished by/Company : (Signature)	Date/Time:	Received by/Company : (Signature)	Date/Time:

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

April 18, 2024

Rob Whittington
Pace Analytical Madisonville
825 Industrial Rd
Madisonville, KY 42431

RE: Project: 4034939
Pace Project No.: 50369491

Dear Rob Whittington:

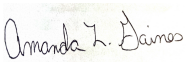
Enclosed are the analytical results for sample(s) received by the laboratory on March 29, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise 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,



Amanda Gaines
amanda.gaines@pacelabs.com
(317)228-3100
Project Manager

Enclosures

cc: Ms. Alicia Barnes, Pace Analytical Madisonville
Michelle Belcher, Pace Analytical Madisonville
Mark DeMoss, Pace Analytical Madisonville
Archie Fugate, Pace Analytical Madisonville
Joe Gray, Pace Analytical Madisonville
Melissia Hill, PACE_KY
Lindsey Martin, Pace Analytical Madisonville
Miranda Ramey, Pace Analytical Madisonville
Christina Schneider, Pace Analytical Dayton
Matthew Totton, Pace Analytical Madisonville

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

CERTIFICATIONS

Project: 4034939
Pace Project No.: 50369491

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: 4034939
Pace Project No.: 50369491

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50369491001	**4034939-01**	Solid	03/25/24 21:34	03/29/24 10:05
50369491002	**4034939-02**	Solid	03/25/24 21:36	03/29/24 10:05
50369491003	**4034939-03**	Solid	03/25/24 21:38	03/29/24 10:05

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

SAMPLE ANALYTE COUNT

Project: 4034939
Pace Project No.: 50369491

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50369491001	**4034939-01**	EPA 8270 by SIM	JCM	20	PASI-I
		SM 2540G	QAK	1	PASI-I
50369491002	**4034939-02**	EPA 8270 by SIM	JCM	20	PASI-I
		SM 2540G	QAK	1	PASI-I
50369491003	**4034939-03**	EPA 8270 by SIM	JCM	20	PASI-I
		SM 2540G	QAK	1	PASI-I

PASI-I = Pace Analytical Services - Indianapolis

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

ANALYTICAL RESULTS

Project: 4034939
Pace Project No.: 50369491

Sample: 4034939-01 **Lab ID: 50369491001** Collected: 03/25/24 21:34 Received: 03/29/24 10:05 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	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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	2.4	1	04/08/24 18:25	04/09/24 19:16	83-32-9	L2
Acenaphthene	ND	ug/kg	6.0	2.4	1	04/11/24 10:51	04/16/24 18:12	83-32-9	H2
Acenaphthylene	ND	ug/kg	6.1	2.3	1	04/08/24 18:25	04/09/24 19:16	208-96-8	L2
Acenaphthylene	ND	ug/kg	6.0	2.3	1	04/11/24 10:51	04/16/24 18:12	208-96-8	H2
Anthracene	ND	ug/kg	6.1	3.0	1	04/08/24 18:25	04/09/24 19:16	120-12-7	L2
Anthracene	ND	ug/kg	6.0	3.0	1	04/11/24 10:51	04/16/24 18:12	120-12-7	H2
Benzo(a)anthracene	**8.9**	ug/kg	6.1	1.7	1	04/08/24 18:25	04/09/24 19:16	56-55-3	L2
Benzo(a)anthracene	**13.3**	ug/kg	6.0	1.7	1	04/11/24 10:51	04/16/24 18:12	56-55-3	H2
Benzo(a)pyrene	**10.7**	ug/kg	6.1	3.6	1	04/08/24 18:25	04/09/24 19:16	50-32-8	
Benzo(a)pyrene	**17.1**	ug/kg	6.0	3.6	1	04/11/24 10:51	04/16/24 18:12	50-32-8	H2
Benzo(b)fluoranthene	**17.4**	ug/kg	6.1	3.3	1	04/08/24 18:25	04/09/24 19:16	205-99-2	
Benzo(b)fluoranthene	**23.7**	ug/kg	6.0	3.3	1	04/11/24 10:51	04/16/24 18:12	205-99-2	H2
Benzo(g,h,i)perylene	**14.0**	ug/kg	6.1	3.6	1	04/08/24 18:25	04/09/24 19:16	191-24-2	
Benzo(g,h,i)perylene	**13.0**	ug/kg	6.0	3.6	1	04/11/24 10:51	04/16/24 18:12	191-24-2	B,H2
Benzo(k)fluoranthene	**6.4**	ug/kg	6.1	2.8	1	04/08/24 18:25	04/09/24 19:16	207-08-9	
Benzo(k)fluoranthene	**9.6**	ug/kg	6.0	2.8	1	04/11/24 10:51	04/16/24 18:12	207-08-9	H2
Chrysene	**13.5**	ug/kg	6.1	4.2	1	04/08/24 18:25	04/09/24 19:16	218-01-9	
Chrysene	**15.8**	ug/kg	6.0	4.1	1	04/11/24 10:51	04/16/24 18:12	218-01-9	H2
Dibenz(a,h)anthracene	ND	ug/kg	6.1	3.0	1	04/08/24 18:25	04/09/24 19:16	53-70-3	
Dibenz(a,h)anthracene	ND	ug/kg	6.0	3.0	1	04/11/24 10:51	04/16/24 18:12	53-70-3	H2
Fluoranthene	**18.9**	ug/kg	6.1	4.2	1	04/08/24 18:25	04/09/24 19:16	206-44-0	L2
Fluoranthene	**28.6**	ug/kg	6.0	4.2	1	04/11/24 10:51	04/16/24 18:12	206-44-0	H2
Fluorene	ND	ug/kg	6.1	2.4	1	04/08/24 18:25	04/09/24 19:16	86-73-7	L2
Fluorene	ND	ug/kg	6.0	2.4	1	04/11/24 10:51	04/16/24 18:12	86-73-7	H2
Indeno(1,2,3-cd)pyrene	**9.0**	ug/kg	6.1	3.1	1	04/08/24 18:25	04/09/24 19:16	193-39-5	
Indeno(1,2,3-cd)pyrene	**10.4**	ug/kg	6.0	3.1	1	04/11/24 10:51	04/16/24 18:12	193-39-5	H2
1-Methylnaphthalene	ND	ug/kg	6.1	2.4	1	04/08/24 18:25	04/09/24 19:16	90-12-0	L2
1-Methylnaphthalene	ND	ug/kg	6.0	2.4	1	04/11/24 10:51	04/16/24 18:12	90-12-0	H2
2-Methylnaphthalene	ND	ug/kg	6.1	5.7	1	04/08/24 18:25	04/09/24 19:16	91-57-6	L2
2-Methylnaphthalene	ND	ug/kg	6.0	5.6	1	04/11/24 10:51	04/16/24 18:12	91-57-6	H2
Naphthalene	ND	ug/kg	6.1	5.6	1	04/08/24 18:25	04/09/24 19:16	91-20-3	L2
Naphthalene	ND	ug/kg	6.0	5.5	1	04/11/24 10:51	04/16/24 18:12	91-20-3	H2
Phenanthrene	**17.4**	ug/kg	6.1	4.4	1	04/08/24 18:25	04/09/24 19:16	85-01-8	L2
Phenanthrene	**14.5**	ug/kg	6.0	4.3	1	04/11/24 10:51	04/16/24 18:12	85-01-8	H2
Pyrene	**18.5**	ug/kg	6.1	4.2	1	04/08/24 18:25	04/09/24 19:16	129-00-0	
Pyrene	**29.2**	ug/kg	6.0	4.1	1	04/11/24 10:51	04/16/24 18:12	129-00-0	H2
Surrogates									
2-Fluorobiphenyl (S)	57	%.	23-115		1	04/11/24 10:51	04/16/24 18:12	321-60-8	
2-Fluorobiphenyl (S)	45	%.	23-115		1	04/08/24 18:25	04/09/24 19:16	321-60-8	
p-Terphenyl-d14 (S)	60	%.	19-136		1	04/11/24 10:51	04/16/24 18:12	1718-51-0	
p-Terphenyl-d14 (S)	43	%.	19-136		1	04/08/24 18:25	04/09/24 19:16	1718-51-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 4034939
Pace Project No.: 50369491

Sample: 4034939-01 **Lab ID: 50369491001** Collected: 03/25/24 21:34 Received: 03/29/24 10:05 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	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture	Analytical Method: SM 2540G Pace Analytical Services - Indianapolis								
Percent Moisture	**21.5**	%	0.10	0.10	1		04/08/24 11:30		N2

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 4034939
Pace Project No.: 50369491

Sample: 4034939-02 **Lab ID: 50369491002** Collected: 03/25/24 21:36 Received: 03/29/24 10:05 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	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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	2.5	1	04/08/24 18:25	04/09/24 19:56	83-32-9	L2
Acenaphthene	ND	ug/kg	6.3	2.5	1	04/11/24 10:51	04/12/24 11:56	83-32-9	H2
Acenaphthylene	ND	ug/kg	6.2	2.3	1	04/08/24 18:25	04/09/24 19:56	208-96-8	L2
Acenaphthylene	ND	ug/kg	6.3	2.4	1	04/11/24 10:51	04/12/24 11:56	208-96-8	H2
Anthracene	ND	ug/kg	6.2	3.1	1	04/08/24 18:25	04/09/24 19:56	120-12-7	L2
Anthracene	ND	ug/kg	6.3	3.1	1	04/11/24 10:51	04/12/24 11:56	120-12-7	H2
Benzo(a)anthracene	**11.6**	ug/kg	6.2	1.8	1	04/08/24 18:25	04/09/24 19:56	56-55-3	L2
Benzo(a)anthracene	**8.8**	ug/kg	6.3	1.8	1	04/11/24 10:51	04/12/24 11:56	56-55-3	H2
Benzo(a)pyrene	**18.3**	ug/kg	6.2	3.7	1	04/08/24 18:25	04/09/24 19:56	50-32-8	
Benzo(a)pyrene	**9.9**	ug/kg	6.3	3.7	1	04/11/24 10:51	04/12/24 11:56	50-32-8	H2
Benzo(b)fluoranthene	**31.9**	ug/kg	6.2	3.4	1	04/08/24 18:25	04/09/24 19:56	205-99-2	
Benzo(b)fluoranthene	**14.9**	ug/kg	6.3	3.5	1	04/11/24 10:51	04/12/24 11:56	205-99-2	H2
Benzo(g,h,i)perylene	**27.1**	ug/kg	6.2	3.7	1	04/08/24 18:25	04/09/24 19:56	191-24-2	
Benzo(g,h,i)perylene	**11.2**	ug/kg	6.3	3.7	1	04/11/24 10:51	04/12/24 11:56	191-24-2	B,H2
Benzo(k)fluoranthene	**11.1**	ug/kg	6.2	2.9	1	04/08/24 18:25	04/09/24 19:56	207-08-9	
Benzo(k)fluoranthene	**5.9J**	ug/kg	6.3	2.9	1	04/11/24 10:51	04/12/24 11:56	207-08-9	H2
Chrysene	**22.2**	ug/kg	6.2	4.3	1	04/08/24 18:25	04/09/24 19:56	218-01-9	
Chrysene	**12.1**	ug/kg	6.3	4.3	1	04/11/24 10:51	04/12/24 11:56	218-01-9	H2
Dibenz(a,h)anthracene	**4.9J**	ug/kg	6.2	3.0	1	04/08/24 18:25	04/09/24 19:56	53-70-3	
Dibenz(a,h)anthracene	ND	ug/kg	6.3	3.1	1	04/11/24 10:51	04/12/24 11:56	53-70-3	H2
Fluoranthene	**24.1**	ug/kg	6.2	4.3	1	04/08/24 18:25	04/09/24 19:56	206-44-0	L2
Fluoranthene	**16.2**	ug/kg	6.3	4.4	1	04/11/24 10:51	04/12/24 11:56	206-44-0	H2
Fluorene	ND	ug/kg	6.2	2.4	1	04/08/24 18:25	04/09/24 19:56	86-73-7	L2
Fluorene	ND	ug/kg	6.3	2.5	1	04/11/24 10:51	04/12/24 11:56	86-73-7	H2
Indeno(1,2,3-cd)pyrene	**17.7**	ug/kg	6.2	3.2	1	04/08/24 18:25	04/09/24 19:56	193-39-5	
Indeno(1,2,3-cd)pyrene	**8.0**	ug/kg	6.3	3.2	1	04/11/24 10:51	04/12/24 11:56	193-39-5	H2
1-Methylnaphthalene	**5.4J**	ug/kg	6.2	2.5	1	04/08/24 18:25	04/09/24 19:56	90-12-0	L2
1-Methylnaphthalene	ND	ug/kg	6.3	2.5	1	04/11/24 10:51	04/12/24 11:56	90-12-0	H2
2-Methylnaphthalene	**6.5**	ug/kg	6.2	5.8	1	04/08/24 18:25	04/09/24 19:56	91-57-6	L2
2-Methylnaphthalene	ND	ug/kg	6.3	5.9	1	04/11/24 10:51	04/12/24 11:56	91-57-6	H2
Naphthalene	ND	ug/kg	6.2	5.7	1	04/08/24 18:25	04/09/24 19:56	91-20-3	L2
Naphthalene	ND	ug/kg	6.3	5.8	1	04/11/24 10:51	04/12/24 11:56	91-20-3	H2
Phenanthrene	**16.9**	ug/kg	6.2	4.5	1	04/08/24 18:25	04/09/24 19:56	85-01-8	L2
Phenanthrene	**8.8**	ug/kg	6.3	4.5	1	04/11/24 10:51	04/12/24 11:56	85-01-8	H2
Pyrene	**24.9**	ug/kg	6.2	4.2	1	04/08/24 18:25	04/09/24 19:56	129-00-0	
Pyrene	**15.5**	ug/kg	6.3	4.3	1	04/11/24 10:51	04/12/24 11:56	129-00-0	H2
Surrogates									
2-Fluorobiphenyl (S)	52	%.	23-115		1	04/11/24 10:51	04/12/24 11:56	321-60-8	
2-Fluorobiphenyl (S)	55	%.	23-115		1	04/08/24 18:25	04/09/24 19:56	321-60-8	
p-Terphenyl-d14 (S)	45	%.	19-136		1	04/11/24 10:51	04/12/24 11:56	1718-51-0	
p-Terphenyl-d14 (S)	60	%.	19-136		1	04/08/24 18:25	04/09/24 19:56	1718-51-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 4034939
Pace Project No.: 50369491

Sample: 4034939-02 **Lab ID: 50369491002** Collected: 03/25/24 21:36 Received: 03/29/24 10:05 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	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture	Analytical Method: SM 2540G Pace Analytical Services - Indianapolis								
Percent Moisture	**21.9**	%	0.10	0.10	1		04/08/24 11:31		N2

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 4034939
Pace Project No.: 50369491

Sample: 4034939-03 **Lab ID: 50369491003** Collected: 03/25/24 21:38 Received: 03/29/24 10:05 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	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 PAH Soil by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546 Pace Analytical Services - Indianapolis								
Acenaphthene	ND	ug/kg	6.9	2.8	1	04/08/24 18:25	04/09/24 20:10	83-32-9	L2
Acenaphthene	ND	ug/kg	6.9	2.8	1	04/11/24 10:51	04/16/24 18:26	83-32-9	H2
Acenaphthylene	ND	ug/kg	6.9	2.6	1	04/08/24 18:25	04/09/24 20:10	208-96-8	L2
Acenaphthylene	ND	ug/kg	6.9	2.6	1	04/11/24 10:51	04/16/24 18:26	208-96-8	H2
Anthracene	ND	ug/kg	6.9	3.5	1	04/08/24 18:25	04/09/24 20:10	120-12-7	L2
Anthracene	ND	ug/kg	6.9	3.5	1	04/11/24 10:51	04/16/24 18:26	120-12-7	H2
Benzo(a)anthracene	**17.5**	ug/kg	6.9	2.0	1	04/08/24 18:25	04/09/24 20:10	56-55-3	L2
Benzo(a)anthracene	**6.5J**	ug/kg	6.9	2.0	1	04/11/24 10:51	04/16/24 18:26	56-55-3	H2
Benzo(a)pyrene	**13.4**	ug/kg	6.9	4.1	1	04/08/24 18:25	04/09/24 20:10	50-32-8	
Benzo(a)pyrene	**9.4**	ug/kg	6.9	4.1	1	04/11/24 10:51	04/16/24 18:26	50-32-8	H2
Benzo(b)fluoranthene	**21.4**	ug/kg	6.9	3.8	1	04/08/24 18:25	04/09/24 20:10	205-99-2	
Benzo(b)fluoranthene	**15.3**	ug/kg	6.9	3.8	1	04/11/24 10:51	04/16/24 18:26	205-99-2	H2
Benzo(g,h,i)perylene	**11.4**	ug/kg	6.9	4.1	1	04/08/24 18:25	04/09/24 20:10	191-24-2	
Benzo(g,h,i)perylene	**10**	ug/kg	6.9	4.1	1	04/11/24 10:51	04/16/24 18:26	191-24-2	H2
Benzo(k)fluoranthene	**9.2**	ug/kg	6.9	3.2	1	04/08/24 18:25	04/09/24 20:10	207-08-9	
Benzo(k)fluoranthene	**4.5J**	ug/kg	6.9	3.2	1	04/11/24 10:51	04/16/24 18:26	207-08-9	H2
Chrysene	**19.7**	ug/kg	6.9	4.7	1	04/08/24 18:25	04/09/24 20:10	218-01-9	
Chrysene	**9.5**	ug/kg	6.9	4.7	1	04/11/24 10:51	04/16/24 18:26	218-01-9	H2
Dibenz(a,h)anthracene	ND	ug/kg	6.9	3.4	1	04/08/24 18:25	04/09/24 20:10	53-70-3	
Dibenz(a,h)anthracene	ND	ug/kg	6.9	3.4	1	04/11/24 10:51	04/16/24 18:26	53-70-3	H2
Fluoranthene	**39.4**	ug/kg	6.9	4.8	1	04/08/24 18:25	04/09/24 20:10	206-44-0	L2
Fluoranthene	**14.5**	ug/kg	6.9	4.8	1	04/11/24 10:51	04/16/24 18:26	206-44-0	H2
Fluorene	ND	ug/kg	6.9	2.7	1	04/08/24 18:25	04/09/24 20:10	86-73-7	L2
Fluorene	ND	ug/kg	6.9	2.7	1	04/11/24 10:51	04/16/24 18:26	86-73-7	H2
Indeno(1,2,3-cd)pyrene	**9.8**	ug/kg	6.9	3.5	1	04/08/24 18:25	04/09/24 20:10	193-39-5	
Indeno(1,2,3-cd)pyrene	**6.9J**	ug/kg	6.9	3.5	1	04/11/24 10:51	04/16/24 18:26	193-39-5	H2
1-Methylnaphthalene	ND	ug/kg	6.9	2.8	1	04/08/24 18:25	04/09/24 20:10	90-12-0	L2
1-Methylnaphthalene	ND	ug/kg	6.9	2.8	1	04/11/24 10:51	04/16/24 18:26	90-12-0	H2
2-Methylnaphthalene	ND	ug/kg	6.9	6.5	1	04/08/24 18:25	04/09/24 20:10	91-57-6	L2
2-Methylnaphthalene	ND	ug/kg	6.9	6.5	1	04/11/24 10:51	04/16/24 18:26	91-57-6	H2
Naphthalene	ND	ug/kg	6.9	6.3	1	04/08/24 18:25	04/09/24 20:10	91-20-3	L2
Naphthalene	ND	ug/kg	6.9	6.3	1	04/11/24 10:51	04/16/24 18:26	91-20-3	H2
Phenanthrene	**21.3**	ug/kg	6.9	5.0	1	04/08/24 18:25	04/09/24 20:10	85-01-8	L2
Phenanthrene	**9.8**	ug/kg	6.9	5.0	1	04/11/24 10:51	04/16/24 18:26	85-01-8	H2
Pyrene	**36.8**	ug/kg	6.9	4.7	1	04/08/24 18:25	04/09/24 20:10	129-00-0	
Pyrene	**16.3**	ug/kg	6.9	4.7	1	04/11/24 10:51	04/16/24 18:26	129-00-0	H2
Surrogates									
2-Fluorobiphenyl (S)	38	%.	23-115		1	04/08/24 18:25	04/09/24 20:10	321-60-8	
2-Fluorobiphenyl (S)	52	%.	23-115		1	04/11/24 10:51	04/16/24 18:26	321-60-8	
p-Terphenyl-d14 (S)	37	%.	19-136		1	04/08/24 18:25	04/09/24 20:10	1718-51-0	
p-Terphenyl-d14 (S)	44	%.	19-136		1	04/11/24 10:51	04/16/24 18:26	1718-51-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 4034939
Pace Project No.: 50369491

Sample: 4034939-03 **Lab ID: 50369491003** Collected: 03/25/24 21:38 Received: 03/29/24 10:05 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	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture	Analytical Method: SM 2540G Pace Analytical Services - Indianapolis								
Percent Moisture	**29.9**	%	0.10	0.10	1		04/08/24 11:31		N2

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 4034939
Pace Project No.: 50369491

QC Batch: 783978
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: 50369491001, 50369491002, 50369491003

METHOD BLANK: 3586961 Matrix: Solid
Associated Lab Samples: 50369491001, 50369491002, 50369491003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	ND	5.0	2.0	04/09/24 18:50	
2-Methylnaphthalene	ug/kg	ND	5.0	4.7	04/09/24 18:50	
Acenaphthene	ug/kg	ND	5.0	2.0	04/09/24 18:50	
Acenaphthylene	ug/kg	ND	5.0	1.9	04/09/24 18:50	
Anthracene	ug/kg	ND	5.0	2.5	04/09/24 18:50	
Benzo(a)anthracene	ug/kg	ND	5.0	1.4	04/09/24 18:50	
Benzo(a)pyrene	ug/kg	ND	5.0	3.0	04/09/24 18:50	
Benzo(b)fluoranthene	ug/kg	ND	5.0	2.8	04/09/24 18:50	
Benzo(g,h,i)perylene	ug/kg	ND	5.0	3.0	04/09/24 18:50	
Benzo(k)fluoranthene	ug/kg	ND	5.0	2.3	04/09/24 18:50	
Chrysene	ug/kg	ND	5.0	3.4	04/09/24 18:50	
Dibenz(a,h)anthracene	ug/kg	ND	5.0	2.5	04/09/24 18:50	
Fluoranthene	ug/kg	ND	5.0	3.5	04/09/24 18:50	
Fluorene	ug/kg	ND	5.0	2.0	04/09/24 18:50	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	5.0	2.5	04/09/24 18:50	
Naphthalene	ug/kg	ND	5.0	4.6	04/09/24 18:50	
Phenanthrene	ug/kg	ND	5.0	3.6	04/09/24 18:50	
Pyrene	ug/kg	ND	5.0	3.4	04/09/24 18:50	
2-Fluorobiphenyl (S)	%.	56	23-115		04/09/24 18:50	
p-Terphenyl-d14 (S)	%.	68	19-136		04/09/24 18:50	

LABORATORY CONTROL SAMPLE: 3586962

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	667	331	50	52-125	L2
2-Methylnaphthalene	ug/kg	667	313	47	52-123	L2
Acenaphthene	ug/kg	667	347	52	54-119	L2
Acenaphthylene	ug/kg	667	347	52	55-130	L2
Anthracene	ug/kg	667	348	52	58-120	L2
Benzo(a)anthracene	ug/kg	667	364	55	59-126	L2
Benzo(a)pyrene	ug/kg	667	400	60	58-133	
Benzo(b)fluoranthene	ug/kg	667	383	57	54-137	
Benzo(g,h,i)perylene	ug/kg	667	389	58	53-127	
Benzo(k)fluoranthene	ug/kg	667	429	64	54-126	
Chrysene	ug/kg	667	415	62	59-129	
Dibenz(a,h)anthracene	ug/kg	667	397	60	54-128	
Fluoranthene	ug/kg	667	381	57	58-137	L2
Fluorene	ug/kg	667	374	56	57-129	L2
Indeno(1,2,3-cd)pyrene	ug/kg	667	397	60	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: 4034939
Pace Project No.: 50369491

LABORATORY CONTROL SAMPLE: 3586962

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Naphthalene	ug/kg	667	301	45	48-112	L2
Phenanthrene	ug/kg	667	372	56	57-125	L2
Pyrene	ug/kg	667	429	64	55-133	
2-Fluorobiphenyl (S)	%.			46	23-115	
p-Terphenyl-d14 (S)	%.			60	19-136	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3586963 3586964

Parameter	Units	50369491001 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	843	801	491	469	58	59	17-141	5	20	
2-Methylnaphthalene	ug/kg	ND	843	801	469	449	55	55	16-139	4	20	
Acenaphthene	ug/kg	ND	843	801	489	455	58	57	26-123	7	20	
Acenaphthylene	ug/kg	ND	843	801	482	454	57	57	16-125	6	20	
Anthracene	ug/kg	ND	843	801	444	417	53	52	13-133	6	20	
Benzo(a)anthracene	ug/kg	13.3	843	801	446	437	52	53	10-148	2	20	
Benzo(a)pyrene	ug/kg	17.1	843	801	470	461	54	56	10-133	2	20	
Benzo(b)fluoranthene	ug/kg	23.7	843	801	464	467	53	56	10-155	1	20	
Benzo(g,h,i)perylene	ug/kg	13.0	843	801	430	434	49	52	10-129	1	20	
Benzo(k)fluoranthene	ug/kg	9.6	843	801	457	451	53	55	12-142	1	20	
Chrysene	ug/kg	15.8	843	801	490	470	57	57	14-148	4	20	
Dibenz(a,h)anthracene	ug/kg	ND	843	801	432	428	51	53	10-131	1	20	
Fluoranthene	ug/kg	28.6	843	801	503	497	57	60	10-154	1	20	
Fluorene	ug/kg	ND	843	801	496	469	59	59	26-134	6	20	
Indeno(1,2,3-cd)pyrene	ug/kg	10.4	843	801	439	438	51	54	10-136	0	20	
Naphthalene	ug/kg	ND	843	801	466	453	55	56	20-119	3	20	
Phenanthrene	ug/kg	14.5	843	801	490	464	56	56	12-150	5	20	
Pyrene	ug/kg	29.2	843	801	523	503	60	60	17-152	4	20	
2-Fluorobiphenyl (S)	%.						53	51	23-115			
p-Terphenyl-d14 (S)	%.						53	51	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: 4034939
Pace Project No.: 50369491

QC Batch: 784456
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: 50369491001, 50369491002, 50369491003

METHOD BLANK: 3588719 Matrix: Solid
Associated Lab Samples: 50369491001, 50369491002, 50369491003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	ND	5.0	2.0	04/11/24 18:28	
2-Methylnaphthalene	ug/kg	ND	5.0	4.7	04/11/24 18:28	
Acenaphthene	ug/kg	ND	5.0	2.0	04/11/24 18:28	
Acenaphthylene	ug/kg	ND	5.0	1.9	04/11/24 18:28	
Anthracene	ug/kg	ND	5.0	2.5	04/11/24 18:28	
Benzo(a)anthracene	ug/kg	ND	5.0	1.4	04/11/24 18:28	
Benzo(a)pyrene	ug/kg	ND	5.0	3.0	04/11/24 18:28	
Benzo(b)fluoranthene	ug/kg	ND	5.0	2.8	04/11/24 18:28	
Benzo(g,h,i)perylene	ug/kg	3.8J	5.0	3.0	04/11/24 18:28	
Benzo(k)fluoranthene	ug/kg	ND	5.0	2.3	04/11/24 18:28	
Chrysene	ug/kg	ND	5.0	3.4	04/11/24 18:28	
Dibenz(a,h)anthracene	ug/kg	ND	5.0	2.5	04/11/24 18:28	
Fluoranthene	ug/kg	ND	5.0	3.5	04/11/24 18:28	
Fluorene	ug/kg	ND	5.0	2.0	04/11/24 18:28	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	5.0	2.5	04/11/24 18:28	
Naphthalene	ug/kg	ND	5.0	4.6	04/11/24 18:28	
Phenanthrene	ug/kg	ND	5.0	3.6	04/11/24 18:28	
Pyrene	ug/kg	ND	5.0	3.4	04/11/24 18:28	
2-Fluorobiphenyl (S)	%.	71	23-115		04/11/24 18:28	
p-Terphenyl-d14 (S)	%.	80	19-136		04/11/24 18:28	

LABORATORY CONTROL SAMPLE: 3588720

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	667	491	74	52-125	
2-Methylnaphthalene	ug/kg	667	467	70	52-123	
Acenaphthene	ug/kg	667	485	73	54-119	
Acenaphthylene	ug/kg	667	485	73	55-130	
Anthracene	ug/kg	667	470	70	58-120	
Benzo(a)anthracene	ug/kg	667	528	79	59-126	
Benzo(a)pyrene	ug/kg	667	570	85	58-133	
Benzo(b)fluoranthene	ug/kg	667	565	85	54-137	
Benzo(g,h,i)perylene	ug/kg	667	531	80	53-127	
Benzo(k)fluoranthene	ug/kg	667	587	88	54-126	
Chrysene	ug/kg	667	567	85	59-129	
Dibenz(a,h)anthracene	ug/kg	667	554	83	54-128	
Fluoranthene	ug/kg	667	543	81	58-137	
Fluorene	ug/kg	667	505	76	57-129	
Indeno(1,2,3-cd)pyrene	ug/kg	667	549	82	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: 4034939
Pace Project No.: 50369491

LABORATORY CONTROL SAMPLE: 3588720

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Naphthalene	ug/kg	667	464	70	48-112	
Phenanthrene	ug/kg	667	502	75	57-125	
Pyrene	ug/kg	667	563	84	55-133	
2-Fluorobiphenyl (S)	%.			65	23-115	
p-Terphenyl-d14 (S)	%.			75	19-136	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3588721 3588722

Parameter	Units	50370034010 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	42.3	736	747	547	557	68	69	17-141	2	20	
2-Methylnaphthalene	ug/kg	54.9	736	747	518	529	63	64	16-139	2	20	
Acenaphthene	ug/kg	ND	736	747	543	545	74	73	26-123	0	20	
Acenaphthylene	ug/kg	ND	736	747	550	557	75	75	16-125	1	20	
Anthracene	ug/kg	13.1	736	747	488	487	65	63	13-133	0	20	
Benzo(a)anthracene	ug/kg	43.3	736	747	494	484	61	59	10-148	2	20	
Benzo(a)pyrene	ug/kg	40.0	736	747	529	519	66	64	10-133	2	20	
Benzo(b)fluoranthene	ug/kg	48.0	736	747	493	477	60	58	10-155	3	20	
Benzo(g,h,i)perylene	ug/kg	19.5	736	747	504	502	66	65	10-129	1	20	
Benzo(k)fluoranthene	ug/kg	19.6	736	747	571	563	75	73	12-142	1	20	
Chrysene	ug/kg	50.9	736	747	566	560	70	68	14-148	1	20	
Dibenz(a,h)anthracene	ug/kg	6.6	736	747	529	526	71	70	10-131	1	20	
Fluoranthene	ug/kg	80.7	736	747	527	531	61	60	10-154	1	20	
Fluorene	ug/kg	ND	736	747	538	545	73	73	26-134	1	20	
Indeno(1,2,3-cd)pyrene	ug/kg	18.8	736	747	512	500	67	64	10-136	2	20	
Naphthalene	ug/kg	42.9	736	747	540	556	67	69	20-119	3	20	
Phenanthrene	ug/kg	78.9	736	747	524	529	60	60	12-150	1	20	
Pyrene	ug/kg	78.0	736	747	556	548	65	63	17-152	1	20	
2-Fluorobiphenyl (S)	%.						69	66	23-115			
p-Terphenyl-d14 (S)	%.						69	62	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: 4034939
Pace Project No.: 50369491

QC Batch: 783891
QC Batch Method: SM 2540G
Analysis Method: SM 2540G
Analysis Description: Dry Weight/Percent Moisture
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50369491001, 50369491002, 50369491003

SAMPLE DUPLICATE: 3586724

Parameter	Units	50369131002 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	19.9	20.1	1	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

QUALIFIERS

Project: 4034939
Pace Project No.: 50369491

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

B	Analyte was detected in the associated method blank.
H2	Extraction or preparation conducted outside EPA method holding time.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
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.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 4034939
Pace Project No.: 50369491

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50369491001	**4034939-01**	EPA 3546	783978	EPA 8270 by SIM	784316
50369491001	**4034939-01**	EPA 3546	784456	EPA 8270 by SIM	784694
50369491002	**4034939-02**	EPA 3546	783978	EPA 8270 by SIM	784316
50369491002	**4034939-02**	EPA 3546	784456	EPA 8270 by SIM	784694
50369491003	**4034939-03**	EPA 3546	783978	EPA 8270 by SIM	784316
50369491003	**4034939-03**	EPA 3546	784456	EPA 8270 by SIM	784694
50369491001	**4034939-01**	SM 2540G	783891		
50369491002	**4034939-02**	SM 2540G	783891		
50369491003	**4034939-03**	SM 2540G	783891		

SUBCONTRACT ORDER

Pace Analytical Services, LLC Kentu

4034939

WO# : 50369491

50369491

SENDING LABORATORY:

Pace Analytical Services, LLC Kentucky
PO BOX 907
Madisonville, KY 42431
Phone: (270) 821-7375
Fax: 844-270-7904
Project Manager: Rob Whittington

RECEIVING LABO

Pace Analytical Services LLC Indianapolis
7726 Moller Road
Indianapolis, IN 46268
Phone :(317) 228-3100
Fax: (317) 872-6189

Analysis		Expires	Laboratory ID	Comments
Sample ID: 4034939-01	**Solid**	**Sampled:03/25/2024 21:34**	**Specific Method**	
PAH 8270 SIM (Sub)		04/01/2024 20:34	SW846-8270 SIM	

SAMPLE STATE OF ORIGIN IND **RUSH MULTIPLIER** 0

Analysis		Expires	Laboratory ID	Comments
Sample ID: 4034939-02	**Solid**	**Sampled:03/25/2024 21:36**	**Specific Method**	
PAH 8270 SIM (Sub)		04/01/2024 20:36	SW846-8270 SIM	

SAMPLE STATE OF ORIGIN IND **RUSH MULTIPLIER** 0

Analysis		Expires	Laboratory ID	Comments
Sample ID: 4034939-03	**Solid**	**Sampled:03/25/2024 21:38**	**Specific Method**	
PAH 8270 SIM (Sub)		04/01/2024 20:38	SW846-8270 SIM	

SAMPLE STATE OF ORIGIN IND **RUSH MULTIPLIER** 0

Released By	Date	Received By	Date
[signature]	3/28/24	UPS	
UPS	3/29/24 1005	T.H	3/29/24 1005

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: 3/29/24 20:48 TH

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): 4.9/5.0 | | | |
(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)		✓	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:		✓				
Time 5035A TC placed in Freezer or Short Holds To Lab	Time:			Present	Absent	N/A
Rush TAT Requested (4 days or less):		✓	Residual Chlorine Check (SVOC 625 Pest/PCB 608)			✓
Custody Signatures Present?	✓		Residual Chlorine Check (Total/Amenable/Free Cyanide)			✓
Containers Intact?:	✓		Headspace Wisconsin Sulfide?			✓
Sample Label (IDs/Dates/Times) Match COC?: Except TCs, which only require sample ID	✓		Headspace in VOA Vials (>6mm): See Containter Count form for details	Present	Absent	No VOA Vials Sent ✓
Extra labels on Terracore Vials? (soils only)			Trip Blank Present?		✓	
			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							
COC Line Item	WGFU	WGKU	BG1U	MeOH (only) SBS DI 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	Sulfuric Yellow	Sodium Hydroxide Green	Sodium Hydroxide/ ZnAc Black
																														HNO3 <2	H2SO4 <2	NaOH >10	NaOH/Zn Ac >9
1		1																											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
AG1H	1L HCl clear glass	AG3B	250mL NaOH amber glass
AG1S	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