

Attachment B: Photographic Log

Site: Utica, Gradall 2

Date Photographs Taken: September 19, 2022



**Description:** Previous 2 photos; gauge panel, 6 switchboards, and fuse box; blueprint ref. T



**Description:** ~10 gallons used oil; blueprint ref. U

Attachment B: Photographic Log

Site: Utica, Gradall 2

Date Photographs Taken: September 19, 2022



**Description:** Fuel tank; 2 onboard with ~2,400 gallons total; blueprint ref. V



**Description:** Winch assembly; 10 gallons diesel exhaust fluid bottom right corner; blueprint ref. W



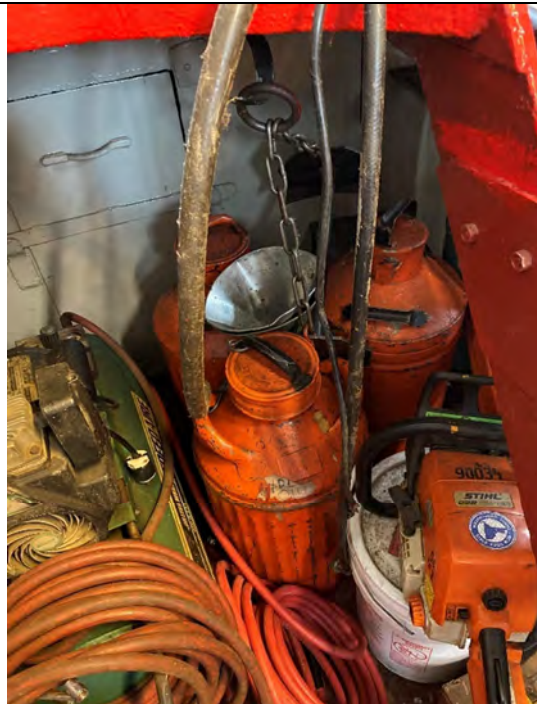
Attachment B: Photographic Log

Site: Utica, Gradall 2

Date Photographs Taken: September 19, 2022



**Description:** Goulds pump with water tank, hot water tank, and 2 - 1 gallon cans rust-oleum; blueprint ref. X



**Description:** Hydraulic fluid containers with ~30 gallons total, Stihl chainsaw, Speedaire oilless air compressor; blueprint ref. Y

Attachment B: Photographic Log

Site: Utica, Gradall 2

Date Photographs Taken: September 19, 2022



**Description:** Oil below Newage generator, PCB-2 sample; blueprint ref. Z



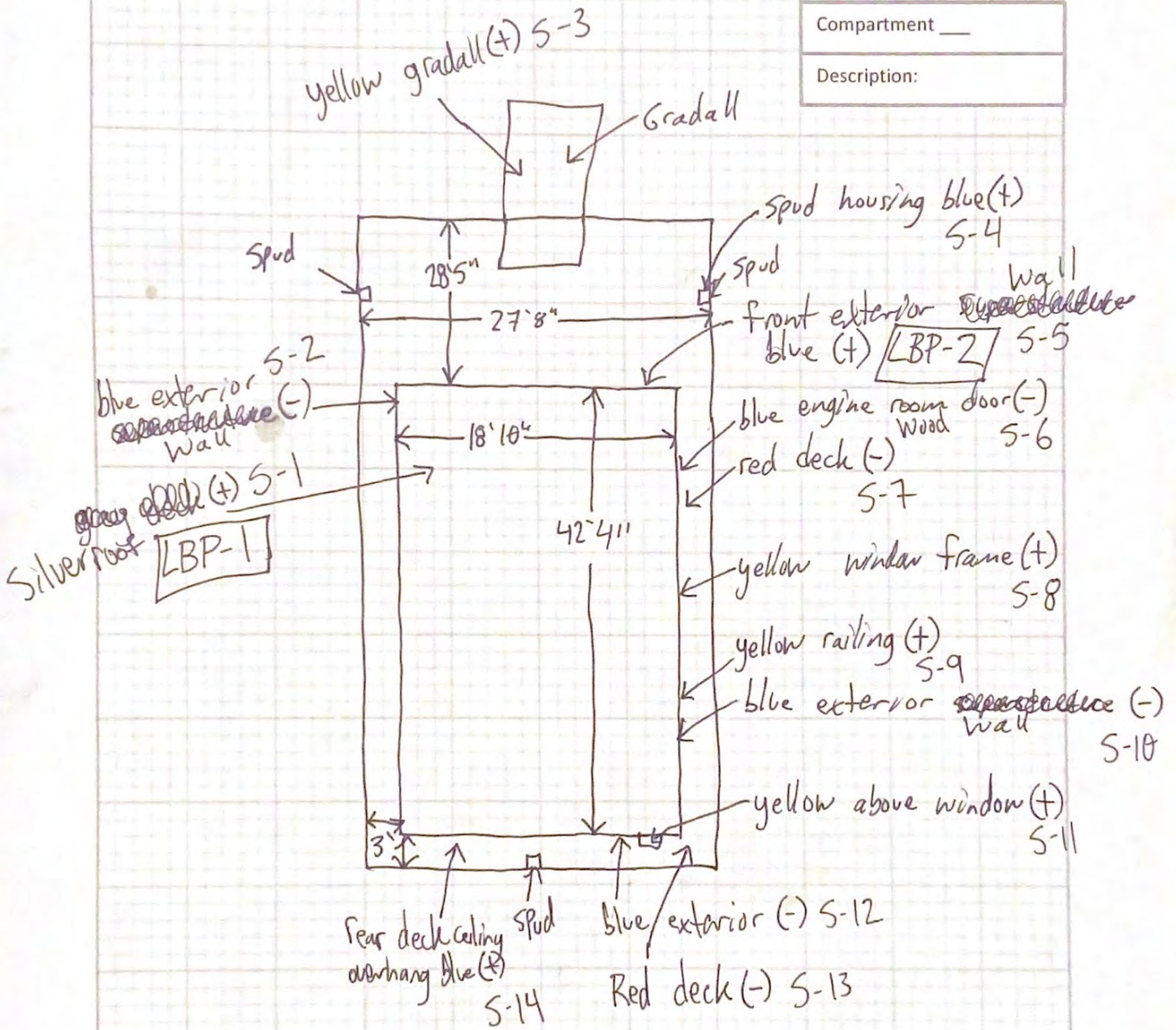
**Description:** 4 incandescent bulbs forward of engine room; blueprint ref. AA

## **ATTACHMENT C - VESSEL BLUEPRINTS**

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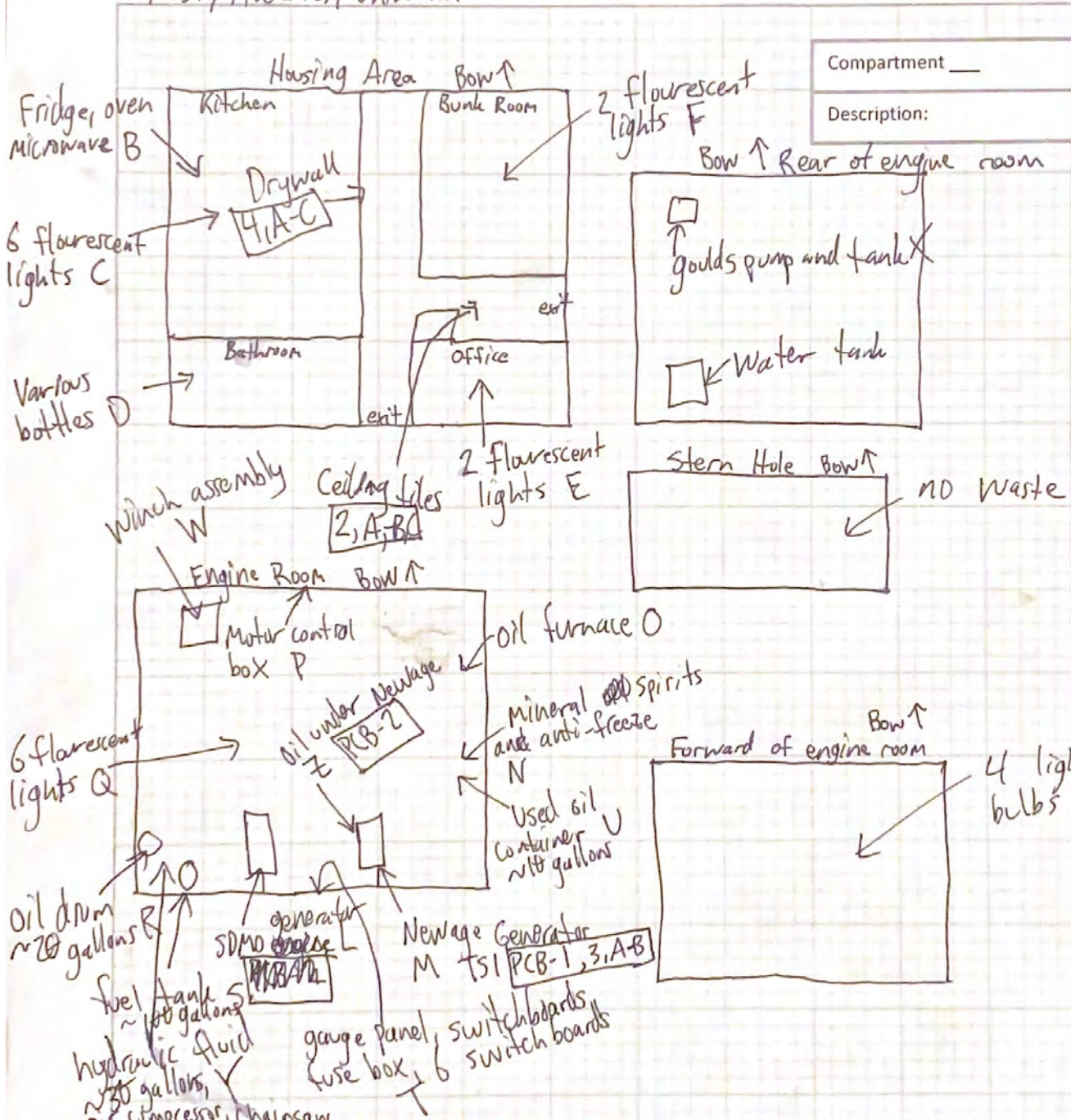


Compartment _____
Description:



Vessel Name: <u>Gradall 2</u>	Boat Location: <u>Utica</u>	Scale: <u>1" = 1' - 0"</u>
Vessel Type: <u>Gradall</u>	Boat Section: <u>Utica</u>	

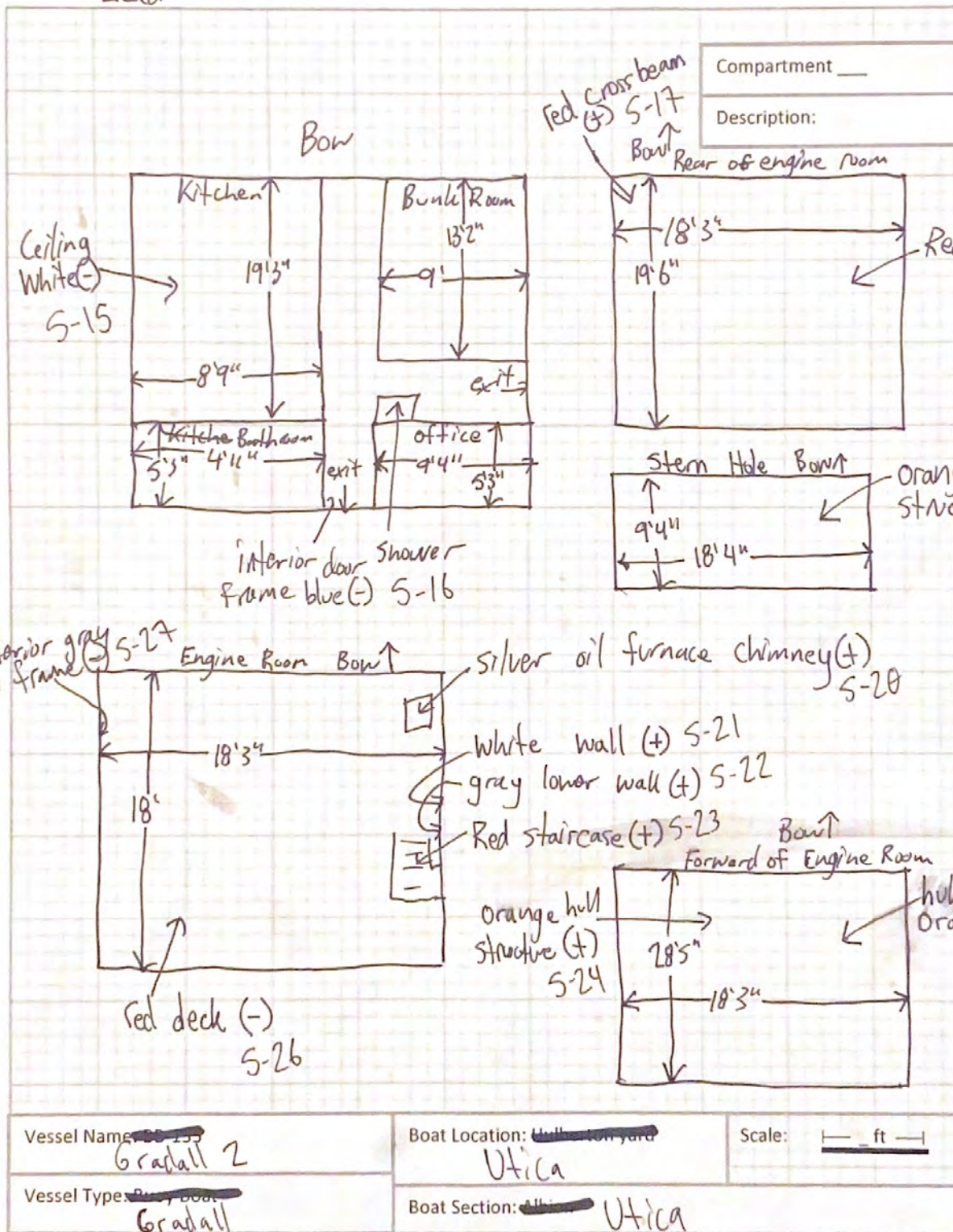




Compartment	_____
Description:	_____

Vessel Name: <u>Gradall 2</u>	Boat Location: <u>Utica</u>	Scale: <u>1 ft</u>
Vessel Type: <u>Gradall</u>	Boat Section: <u>Utica</u>	



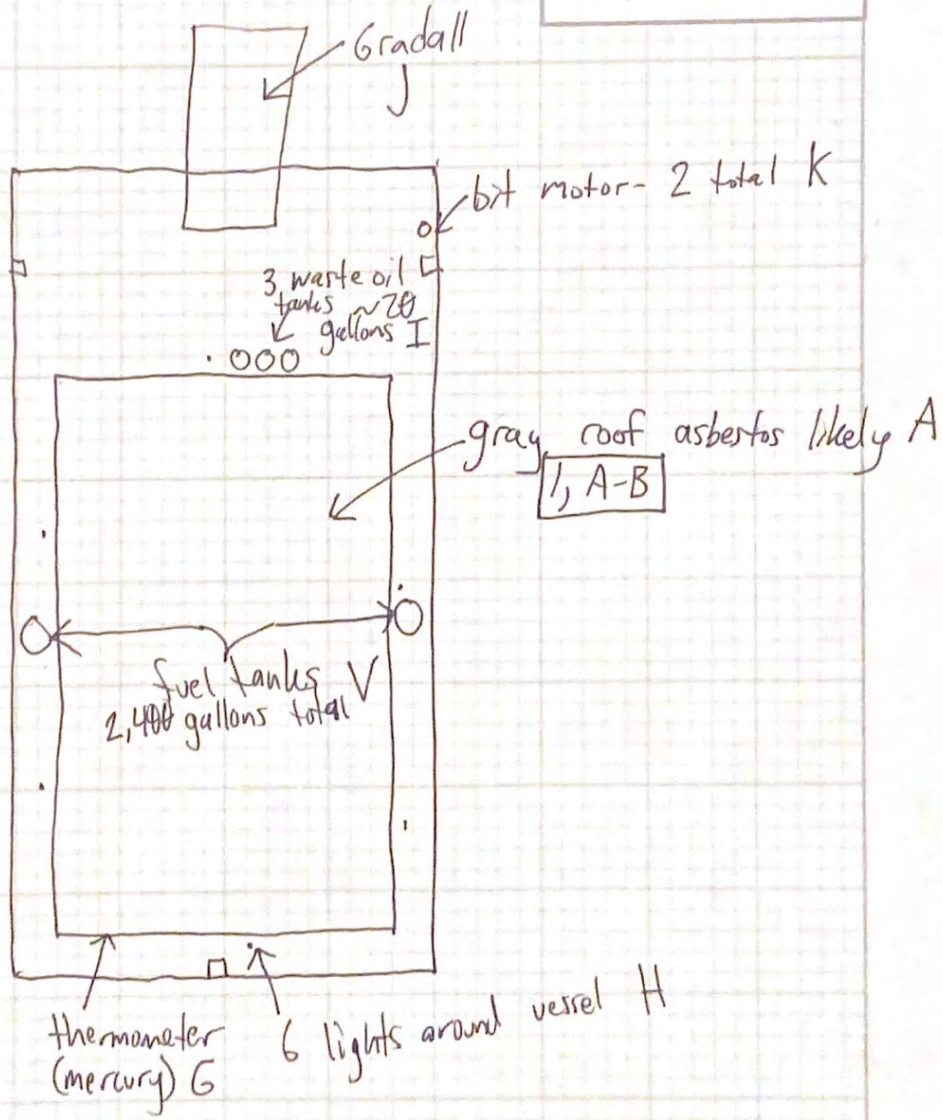


Compartment	_____
Description:	_____

Vessel Name: <u>Gradall 2</u>	Boat Location: <u>Utica</u>	Scale: <u>1" = 1' 0"</u>
Vessel Type: <u>Gradall</u>	Boat Section: <u>Utica</u>	



Compartment <u>    </u>
Description:



Vessel Name: <del>453128</del> <u>Gradall 2</u>	Boat Location: <del>Utica</del> <u>Utica</u>	Scale: <u>    </u> ft <u>    </u>
Vessel Type: <del>Boat</del> <u>Gradall</u>	Boat Section: <del>Utica</del> <u>Utica</u>	

# **ATTACHMENT D – CHAIN OF CUSTODY AND ANALYTICAL DATA**

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### Asbestos Chain of Custody (Air, Bulk, Soil)

EMSL Order Number / Lab Use Only

EMSL Analytical, Inc.  
200 Route 130 North  
Cinnaminson, NJ 08077

PHONE: (800) 220-3675  
EMAIL: CinnAslab@EMSL.com

EMSL ANALYTICAL, INC.  
TESTING LABS • PRODUCTS • TRAINING

042223488

If Bill-To is the same as Report-To leave this section blank. Third-party billing requires written authorization.

<b>Customer Information</b>		<b>Billing Information</b>	
Customer ID:		Billing ID:	
Company Name: Parsons		Company Name: Parsons	
Contact Name: Heather Budzich		Billing Contact: Heather Budzich	
Street Address: 301 Plainfield Rd Suite 350		Street Address: 301 Plainfield Rd Suite 350	
City, State, Zip: Syracuse, NY 13212	Country: US	City, State, Zip: Syracuse, NY 13212	Country: US
Phone: 315-857-8375		Phone: 315-857-8375	
Email(s) for Report: Heather.Budzich@parsons.com		Email(s) for Invoice: Heather.Budzich@parsons.com	

**Project Information**

Project Name/No: NYS Canal Corp 453128 - ~~Union Fullerton yard BB-133~~ *Utica Gradall?* Purchase Order: *Utica Gradall?*

EMSL LIMS Project ID: (if applicable, EMSL will provide)

US State where samples collected: NY State of Connecticut (CT) must select project location:  Commercial (Taxable)  Residential (Non-Taxable)

Sampled By Name: *Peter Whitaker* Sampled By Signature: *[Signature]* No. of Samples in Shipment: 4

**Turn-Around-Time (TAT)**

3 Hour  4-4.5 Hour  6 Hour  24 Hour  32 Hour  48 Hour  72 Hour  96 Hour  1 Week  2 Week

TEM Air 3-6 Hour, please call ahead to schedule. 32 Hour TAT available for select tests only; samples must be submitted by 11:30 am.

**Test Selection**

<p><b>PCM Air</b></p> <p><input type="checkbox"/> NIOSH 7400</p> <p><input type="checkbox"/> NIOSH 7400 w/ 8hr. TWA</p> <p><b>PLM - Bulk (reporting limit)</b></p> <p><input type="checkbox"/> PLM EPA 600/R-93/116 (&lt;1%)</p> <p><input type="checkbox"/> PLM EPA NOB (&lt;1%)</p> <p><input type="checkbox"/> POINT COUNT</p> <p><input type="checkbox"/> 400 (&lt;0.25%) <input type="checkbox"/> 1,000 (&lt;0.1%)</p> <p>POINT COUNT w/ GRAVIMETRIC</p> <p><input type="checkbox"/> 400 (&lt;0.25%) <input type="checkbox"/> 1,000 (&lt;0.1%)</p> <p><input type="checkbox"/> NIOSH 9002 (&lt;1%)</p> <p><input checked="" type="checkbox"/> NYS 198.1 (Friable - NY)</p> <p><input checked="" type="checkbox"/> NYS 198.6 NOB (Non-Friable - NY)</p> <p><input type="checkbox"/> NYS 198.8 (Vermiculite SM-V)</p>	<p><b>TEM - Air</b></p> <p><input type="checkbox"/> AHERA 40 CFR, Part 763</p> <p><input type="checkbox"/> NIOSH 7402</p> <p><input type="checkbox"/> EPA Level II</p> <p><input type="checkbox"/> ISO 10312*</p> <p><b>TEM - Bulk</b></p> <p><input type="checkbox"/> TEM EPA NOB</p> <p><input checked="" type="checkbox"/> NYS NOB 198.4 (Non-Friable-NY)</p> <p><input type="checkbox"/> TEM EPA 600/R-93/116 w Milling Prep (0.1%)</p> <p><b>Other Test (please specify)</b></p>	<p><b>TEM - Settled Dust</b></p> <p><input type="checkbox"/> Microvac - ASTM D5755</p> <p><input type="checkbox"/> Wipe - ASTM D6480</p> <p><input type="checkbox"/> Qualitative via Filtration Prep</p> <p><input type="checkbox"/> Qualitative via Drop Mount Prep</p> <p><b>Soil - Rock - Vermiculite (reporting limit)*</b></p> <p><input type="checkbox"/> PLM EPA 600/R-93/116 with milling prep (&lt;0.25%)</p> <p><input type="checkbox"/> PLM EPA 600/R-93/116 with milling prep (&lt;0.1%)</p> <p><input type="checkbox"/> TEM EPA 600/R-93/116 with milling prep (&lt;0.1%)</p> <p><input type="checkbox"/> TEM Qualitative via Filtration Prep</p> <p><input type="checkbox"/> TEM Qualitative via Drop Mount Prep</p>
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\*Please call with your project-specific requirements.

Positive Stop - Clearly Identified Homogeneous Areas (HA) Filter Pore Size (Air Samples)  0.8um  0.45um

Sample Number	Sample Location / Description	Volume, Area or Homogeneous Area	Date / Time Sampled (Air Monitoring Only)
1, A-B	Gray roof seal A	756 ft <sup>2</sup>	9/19/22 / 1140
2, A-B-C	Ceiling tiles above shower	200 ft <sup>2</sup>	9/19/22 / 1145
3, A-B	Newage generator TSI M	8 linear ft	9/19/22 / 1150
4, A-B-C	Kitchen area drywall	150 ft <sup>2</sup>	9/19/22 / 1155

Special Instructions and/or Regulatory Requirements (Sample Specifications, Processing Methods, Limits of Detection, etc.)

*10 EQ*

Method of Shipment: <i>Fedex</i>	Sample Condition Upon Receipt:
Relinquished by: <i>Peter Whitaker</i> Date/Time: <i>9/19/22 / 1800</i>	Received by: <i>EQ EFT</i> Date/Time: <i>9/20/22 9:40am</i>
Relinquished by:	Received by:

Controlled Document - COC-05 Asbestos R16 10/28/2021  AGREE TO ELECTRONIC SIGNATURE (By checking, I consent to signing this Chain of Custody document by electronic signature.)

EMSL Analytical, Inc.'s Laboratory Terms and Conditions are incorporated into this Chain of Custody by reference in their entirety. Submission of samples to EMSL Analytical, Inc. constitutes acceptance and acknowledgment of all terms and conditions by Customer.



# EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com>

[cinnaslab@EMSL.com](mailto:cinnaslab@EMSL.com)

EMSL Order:	042223488
CustomerID:	PARS53
CustomerPO:	447415-0000001
ProjectID:	New York

Attn: **Heather Budzich**  
**Parsons Engineering Science**  
**301 Plainfield Road**  
**Suite 350**  
**Syracuse, NY 13212**

Phone: (315) 451-9560  
 Fax: (315) 451-9570  
 Received: 9/20/2022 09:40 AM  
 Analysis Date: 9/28/2022  
 Collected: 9/19/2022

Project: NYS Canal Corp 453128 / Utica Gradall 2

## Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non Asbestos		Asbestos
			Fibrous	Non-Fibrous	
<b>Sample ID</b> 1A 042223488-0001		<b>Description</b> <b>Homogeneity</b>	Roof - Gray Roof Seal A Homogeneous		
<b>PLM NYS 198.1 Friable</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>	9/24/2022	Gray/Black/Si lver		100% Other	<b>Inconclusive : &lt;1%Chrysotile</b>
<b>TEM NYS 198.4 NOB</b>	9/28/2022	Gray/Black/Si lver		91.8% Other	<b>8.2% Chrysotile</b>
<b>Sample ID</b> 1B 042223488-0002		<b>Description</b> <b>Homogeneity</b>	Roof - Gray Roof Seal A Homogeneous		
<b>PLM NYS 198.1 Friable</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>	9/26/2022	Gray/Black/Si lver		100% Other	<b>Inconclusive : &lt;1%Chrysotile</b>
<b>TEM NYS 198.4 NOB</b>	9/28/2022			% Other	<b>Positive Stop (Not Analyzed)</b>
<b>Sample ID</b> 2A 042223488-0003		<b>Description</b> <b>Homogeneity</b>	Above Shower - Ceiling Tiles Homogeneous		
<b>PLM NYS 198.1 Friable</b>	9/24/2022	Brown/White	90.00% Cellulose	10.00% Non-fibrous (other)	<b>None Detected</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>	9/27/2022	Brown/White		100% Other	<b>Inconclusive: None Detected</b>
<b>TEM NYS 198.4 NOB</b>	9/28/2022	Brown/White		100% Other	<b>None Detected</b>
<b>Sample ID</b> 2B 042223488-0004		<b>Description</b> <b>Homogeneity</b>	Above Shower - Ceiling Tiles Homogeneous		
<b>PLM NYS 198.1 Friable</b>	9/24/2022	Brown/White	90.00% Cellulose	10.00% Non-fibrous (other)	<b>None Detected</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>	9/27/2022	Brown/White		100% Other	<b>Inconclusive: None Detected</b>
<b>TEM NYS 198.4 NOB</b>	9/28/2022	Brown/White		100% Other	<b>None Detected</b>
<b>Sample ID</b> 2C 042223488-0005		<b>Description</b> <b>Homogeneity</b>	Above Shower - Ceiling Tiles Homogeneous		
<b>PLM NYS 198.1 Friable</b>	9/26/2022	Brown/White	95.00% Cellulose	5.00% Non-fibrous (other)	<b>None Detected</b>
<b>PLM NYS 198.6 VCM</b>					<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>	9/27/2022	Brown/White		100% Other	<b>Inconclusive: None Detected</b>
<b>TEM NYS 198.4 NOB</b>	9/28/2022	Brown/White		100% Other	<b>None Detected</b>



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<http://www.EMSL.com>[cinnaslab@EMSL.com](mailto:cinnaslab@EMSL.com)

EMSL Order:	042223488
CustomerID:	PARS53
CustomerPO:	447415-0000001
ProjectID:	New York

**Test Report:Asbestos Analysis of Bulk Material**

Test	Color	Non Asbestos		Asbestos
		Fibrous	Non-Fibrous	
<b>Sample ID</b> 3A 042223488-0006	<b>Description</b> <b>Homogeneity</b>	- Newage Generator TSI M Homogeneous		
<b>PLM NYS 198.1 Friable</b>	9/24/2022 White/Silver	80.00% Glass	20.00% Non-fibrous (other)	<b>None Detected</b>
<b>PLM NYS 198.6 VCM</b>				<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>				<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>				<b>Not Analyzed</b>
<b>Sample ID</b> 3B 042223488-0007	<b>Description</b> <b>Homogeneity</b>	- Newage Generator TSI M Homogeneous		
<b>PLM NYS 198.1 Friable</b>	9/26/2022 White/Silver/	90.00% Glass	10.00% Non-fibrous (other)	<b>None Detected</b>
<b>PLM NYS 198.6 VCM</b>				<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>				<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>				<b>Not Analyzed</b>
<b>Sample ID</b> 4A 042223488-0008	<b>Description</b> <b>Homogeneity</b>	Kitchen - Drywall Homogeneous		
<b>PLM NYS 198.1 Friable</b>	9/24/2022 White		100.00% Non-fibrous (other)	<b>None Detected</b>
<b>PLM NYS 198.6 VCM</b>				<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>				<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>				<b>Not Analyzed</b>
<b>Sample ID</b> 4B 042223488-0009	<b>Description</b> <b>Homogeneity</b>	Kitchen - Drywall Homogeneous		
<b>PLM NYS 198.1 Friable</b>	9/24/2022 Brown/White	6.00% Cellulose	94.00% Non-fibrous (other)	<b>None Detected</b>
<b>PLM NYS 198.6 VCM</b>				<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>				<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>				<b>Not Analyzed</b>
<b>Sample ID</b> 4C 042223488-0010	<b>Description</b> <b>Homogeneity</b>	Kitchen - Drywall Homogeneous		
<b>PLM NYS 198.1 Friable</b>	9/26/2022 Brown/White	15.00% Cellulose 2.00% Glass	83.00% Non-fibrous (other)	<b>None Detected</b>
<b>PLM NYS 198.6 VCM</b>				<b>Not Analyzed</b>
<b>PLM NYS 198.6 NOB</b>				<b>Not Analyzed</b>
<b>TEM NYS 198.4 NOB</b>				<b>Not Analyzed</b>




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<http://www.EMSL.com> [cinnasblab@EMSL.com](mailto:cinnasblab@EMSL.com)

EMSL Order: 042223488  
CustomerID: PARS53  
CustomerPO: 447415-0000001  
ProjectID: New York

## Test Report:Asbestos Analysis of Bulk Material

Test	Color	Non Asbestos		Asbestos
		Fibrous	Non-Fibrous	
Analyst(s)				
Alex Francois	Seri Smith			
Michelle Quach				
Sarah Kleinbrahm				
				
				Samantha Rundstrom, Laboratory Manager or other approved signatory

NOB = Non Friable Organically Bound    N/A = Not Applicable    VCM = Vermiculite Containing Material

-In New York State, TEM is currently the only method that can be used to determine if NOB materials can be considered or treated as non-asbestos containing. All samples examined for the presence of vermiculite when analyzed via NYS 198.1.

-NYS Guidelines for Vermiculite containing samples are available at [http://www.wadsworth.org/labcert/elapcert/forms/VermiculiteInterimGuidance\\_Rev070913.pdf](http://www.wadsworth.org/labcert/elapcert/forms/VermiculiteInterimGuidance_Rev070913.pdf)

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. Samples were received in good condition unless otherwise noted.

This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. This report may contain data that is not covered by the NVLAP accreditation.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NYS ELAP 10872, PA ID# 68-00367, NVLAP Lab Code 101048-0





EMSL ANALYTICAL, INC.  
TESTING LABS • PRODUCTS • TRAINING

**Lead Chain of Custody**

EMSL Order Number / Lab Use Only

EMSL Analytical, Inc.  
200 Route 130 North  
Cinnaminson, NJ 08077

202208408

PHONE: (800) 220-3675

EMAIL: CinnaminsonLeadLab@emsl.com

<b>Customer Information</b> Customer ID: Company Name: <b>Parsons</b> Contact Name: <b>Heather Budzich</b> Street Address: <b>301 Plainfield Rd Suite 350</b> City, State, Zip: <b>Syracuse, NY 13212</b> Country: <b>US</b> Phone: <b>315-857-8375</b> Email(s) for Report: <b>Heather.Budzich@parsons.com</b>	<b>Billing Information</b> Billing ID: Company Name: <b>Parsons</b> Billing Contact: <b>Heather Budzich</b> Street Address: <b>301 Plainfield Rd Suite 350</b> City, State, Zip: <b>Syracuse, NY 13212</b> Country: <b>US</b> Phone: <b>315-857-8375</b> Email(s) for Invoice: <b>Heather.Budzich@parsons.com</b>
--	--

**Project Information**  
 Project Name/No: **NYS Canal Corp 453128 - ~~Union - Huberton yard - BB-100~~ Utica**      Purchase Order:  
 EMSL LIMS Project ID:      US State where samples collected: **NY**      State of Connecticut (CT) must select project location:  
 (If applicable, EMSL will provide)       Commercial (Taxable)       Residential (Non-Taxable)

Sampled By Name: **P. Whitaker**      Sampled By Signature: *[Signature]*      No. of Samples in Shipment: **2**

**Turn-Around-Time (TAT)**

3 Hour   
  6 Hour   
  24 Hour   
  32 Hour   
  48 Hour   
  72 Hour   
  96 Hour   
  1 Week   
  2 Week

Please call ahead for large projects and/or turnaround times 6 Hours or Less. \*32 Hour TAT available for select tests only, samples must be submitted by 11:30am.

MATRIX	METHOD	INSTRUMENT	REPORTING LIMIT	SELECTION
<b>CHIPS</b> <input type="checkbox"/> % by wt. <input type="checkbox"/> ppm (mg/kg) <input checked="" type="checkbox"/> mg/cm <sup>2</sup> <small>*Reporting Limit based on a minimum 0.25g sample weight.                      **Not appropriate for Ceramic Tiles - XRF is recommended</small>	SW 846-7000B	Flame Atomic Absorption	0.008% (80ppm)	<input checked="" type="checkbox"/>
	SW 846-6010D*	ICP-OES	0.0004% (4ppm)	<input type="checkbox"/>
	NIOSH 7082	Flame Atomic Absorption	4µg/filter	<input type="checkbox"/>
<b>AIR</b>	NIOSH 7300M / NIOSH 7303M	ICP-OES	0.5µg/filter	<input type="checkbox"/>
	NIOSH 7300M / NIOSH 7303M	ICP-MS	0.05µg/filter	<input type="checkbox"/>
	SW 846-7000B	Flame Atomic Absorption	10µg/wipe	<input type="checkbox"/>
<b>WIPE</b> <input type="checkbox"/> ASTM <input type="checkbox"/> NON-ASTM <small>*If no box is checked, non-ASTM Wipe is assumed</small>	SW 846-6010D*	ICP-OES	1.0µg/wipe	<input type="checkbox"/>
	SW 846-1311 / 7000B / SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
<b>TCLP</b>	SW 846-1311 / SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	<input type="checkbox"/>
	SW 846-1312 / 7000B / SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
<b>SPLP</b>	SW 846-1312 / SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	<input type="checkbox"/>
	22 CCR App. II, 7000B	Flame Atomic Absorption	40mg/kg (ppm)	<input type="checkbox"/>
<b>TTLIC</b>	22 CCR App. II, SW 846-6010D*	ICP-OES	2mg/kg (ppm)	<input type="checkbox"/>
	22 CCR App. II, 7000B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
<b>STLC</b>	22 CCR App. II, SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	<input type="checkbox"/>
	SW 846-7000B	Flame Atomic Absorption	40mg/kg (ppm)	<input type="checkbox"/>
<b>Soil</b>	SW 846-6010D*	ICP-OES	2mg/kg (ppm)	<input type="checkbox"/>
	SM 3111B / SW 846-7000B	Flame Atomic Absorption	0.4 mg/L (ppm)	<input type="checkbox"/>
<b>Wastewater</b>	EPA 200.7	ICP-OES	0.020 mg/L (ppm)	<input type="checkbox"/>
	EPA 200.5	ICP-OES	0.003 mg/L (ppm)	<input type="checkbox"/>
<b>Drinking Water</b>	EPA 200.8	ICP-MS	0.001 mg/L (ppm)	<input type="checkbox"/>
	40 CFR Part 50	ICP-OES	12 µg/filter	<input type="checkbox"/>
<b>TSP/SPM Filter</b>				<input type="checkbox"/>
<b>Other:</b>				<input type="checkbox"/>

Sample Number	Sample Location	Volume / Area	Date / Time Sampled
LBP-1	Gray roof sealant	25cm <sup>2</sup>	9/19/22 / 1210
LBP-2	Exterior front blue	25cm <sup>2</sup>	9/19/22 / 1215

Method of Shipment: **Fedex**      Sample Condition Upon Receipt:

Relinquished by: **P. Whitaker**      Date/Time: **9/19/22/1800**      Received by: **EO EFX**      Date/Time: **9-20-22 11am**

Relinquished by:      Date/Time:      Received by:      Date/Time:

Controlled Document - COC-25 Lead R17 05/09/2022      \*6010C Available Upon Request

AGREE TO ELECTRONIC SIGNATURE (By checking, I consent to signing this Chain of Custody document by electronic signature.)

EMSL Analytical, Inc.'s Laboratory Terms and Conditions are incorporated into this Chain of Custody by reference in their entirety. Submission of samples to EMSL Analytical, Inc. constitutes acceptance and acknowledgment of all terms and conditions by Customer.







# EMSL Analytical, Inc.

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Phone/Fax: (856) 303-2500 / (856) 786-5974

<http://www.EMSL.com>

[cinnaminsonleadlab@emsl.com](mailto:cinnaminsonleadlab@emsl.com)

EMSL Order:	202208408
CustomerID:	PARS53
CustomerPO:	
ProjectID:	

Attn: **Heather Budzich**  
**Parsons Engineering Science**  
**301 Plainfield Road**  
**Suite 350**  
**Syracuse, NY 13212**

Phone: (315) 451-9560  
 Fax: (315) 451-9570  
 Received: 9/20/2022 11:00 AM  
 Collected: 9/19/2022

Project: NYS CANAL CORP 453128 UTICA GRADALL-2

## Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B/7000B)\*

<i>Client Sample Description</i>	<i>Lab ID</i>	<i>Collected</i>	<i>Analyzed</i>	<i>Area</i>	<i>Total Weight</i>	<i>Weight</i>	<i>Lead Concentration</i>
LBP-1	202208408-0001	9/19/2022	9/21/2022	25 cm <sup>2</sup>	1.9193 g	0.2994 g	0.033 mg/cm <sup>2</sup>
Site: GRAY ROOF SEALANT							
LBP-2	202208408-0002	9/19/2022	9/21/2022	25 cm <sup>2</sup>	5.6138 g	0.2913 g	<0.018 mg/cm <sup>2</sup>
Site: EXTERIOR FRONT BLUE							

Owen Mckenna, Lead Laboratory Director  
or other approved signatory

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\* Analysis following Lead in Paint by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 0.008% wt based on the minimum sample weight per our SOP. "<" (less than) result signifies the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. Definitions of modifications are available upon request.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NELAP Certifications: NJ 03036, NY 10872, PA 68-00367, AIHA-LAP, LLC ELLAP 100194, A2LA 2845.01

Report Amended: 09/27/2022 12:48:28 Replaces Report Amended: 09/27/2022 12:43:58. Reason Code: Data Entry-Change to Sample Volume



**EMSL Analytical, Inc.**

200 Route 130, Cinnaminson, NJ, 08077  
Telephone: 856-858-4800 Fax:856-786-5974  
EMSL-CIN-01

**EMSL Order ID:** 012251355

**LIMS Reference ID:** AA51355

**EMSL Customer ID:** PARS53

September 28, 2022

Heather Budzich  
Parsons Engineering Science [PARS53]  
301 Plainfield Road, Suite 350  
Syracuse, NY 13212

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 9/20/2022. The results are tabulated on the attached pages for the following client designated project:

**NYS Canal Corp 453128-Utica-Gradall 2**

The reference number for these samples is EMSL Order #: AA51355 . Please use this reference when calling about these samples. If you have any questions, please do not hesitate to contact the lab at 856-858-4800.

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Owen McKenna Laboratory Manager or other approved signatory



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**Attention:** Heather Budzich  
Parsons Engineering Science [PARS53]  
301 Plainfield Road, Suite 350  
Syracuse, NY 13212  
(315) 857-8375  
heather.budzich@parsons.com

**Project Name:** NYS Canal Corp 453128-Utica-Gradall 2  
**Customer PO:**  
**EMSL Sales Rep:** Jeromy Bish  
**Received:** 09/20/2022 09:40  
**Reported:** 09/28/2022 13:32

**Sample Condition on Receipt**

**Cooler ID:** Default Cooler

**Temperature:** 12.9 °C

Custody Seals	Y
Containers Intact	Y
COC/Labels Agree	Y
Preservation Confirmed	Y





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**Samples in this Report**

<b>Lab ID</b>	<b>Sample</b>	<b>Matrix</b>	<b>Date Sampled</b>	<b>Date Received</b>
AA51355-01	PCB-1-New age generator	Solid	09/19/2022	09/20/2022
AA51355-02	PCB-2-Oil under new age generator	Wipe	09/19/2022	09/20/2022



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**Sample Results**

**Sample: PCB-1-New age generator  
 AA51355-01 (Solid)**

Analyte	Result	Q	DF	RL	Units	Prepared Date/Time	Analyzed Date/Time	Prep/Analyst Initials	Prep Method	Analytical Method
<b>GC-SVOA</b>										
Aroclor-1016	ND		1	0.25	mg/kg	09/21/22 10:01	09/22/22 17:04	RAG/PxM	SW846 3540C	SW 846-8082A
Aroclor-1221	ND		1	0.25	mg/kg	09/21/22 10:01	09/22/22 17:04	RAG/PxM	SW846 3540C	SW 846-8082A
Aroclor-1232	ND		1	0.25	mg/kg	09/21/22 10:01	09/22/22 17:04	RAG/PxM	SW846 3540C	SW 846-8082A
Aroclor-1242	ND		1	0.25	mg/kg	09/21/22 10:01	09/22/22 17:04	RAG/PxM	SW846 3540C	SW 846-8082A
Aroclor-1248	ND		1	0.25	mg/kg	09/21/22 10:01	09/22/22 17:04	RAG/PxM	SW846 3540C	SW 846-8082A
Aroclor-1254	ND		1	0.25	mg/kg	09/21/22 10:01	09/22/22 17:04	RAG/PxM	SW846 3540C	SW 846-8082A
Aroclor-1260	ND		1	0.25	mg/kg	09/21/22 10:01	09/22/22 17:04	RAG/PxM	SW846 3540C	SW 846-8082A
Aroclor-1262	ND		1	0.25	mg/kg	09/21/22 10:01	09/22/22 17:04	RAG/PxM	SW846 3540C	SW 846-8082A
Aroclor-1268	ND		1	0.25	mg/kg	09/21/22 10:01	09/22/22 17:04	RAG/PxM	SW846 3540C	SW 846-8082A
<b>Surrogate(s)</b>		<b>Recovery</b>	<b>Q</b>	<b>Limits</b>						
<i>Surrogate: Tetrachloro-m-xylene</i>		80%		21-123		09/21/22 10:01	09/22/22 17:04	RAG/PxM	SW846 3540C	SW 846-8082A
<i>Surrogate: Decachlorobiphenyl</i>		91%		17-128		09/21/22 10:01	09/22/22 17:04	RAG/PxM	SW846 3540C	SW 846-8082A

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### Sample Results

(Continued)

**Sample: PCB-2-Oil under new age generator**  
**AA51355-02 (Wipe)**

Analyte	Result	Q	DF	RL	Units	Prepared Date/Time	Analyzed Date/Time	Prep/Analyst Initials	Prep Method	Analytical Method
<b>GC-SVOA</b>										
Aroclor-1016	ND		1	0.500	µg/100 cm <sup>2</sup>	09/23/22 11:33	09/26/22 15:45	DDI/PxM	SW846 3540C	SW 846-8082A
Aroclor-1221	ND		1	0.500	µg/100 cm <sup>2</sup>	09/23/22 11:33	09/26/22 15:45	DDI/PxM	SW846 3540C	SW 846-8082A
Aroclor-1232	ND		1	0.500	µg/100 cm <sup>2</sup>	09/23/22 11:33	09/26/22 15:45	DDI/PxM	SW846 3540C	SW 846-8082A
Aroclor-1242	ND		1	0.500	µg/100 cm <sup>2</sup>	09/23/22 11:33	09/26/22 15:45	DDI/PxM	SW846 3540C	SW 846-8082A
Aroclor-1248	ND		1	0.500	µg/100 cm <sup>2</sup>	09/23/22 11:33	09/26/22 15:45	DDI/PxM	SW846 3540C	SW 846-8082A
Aroclor-1254	ND		1	0.500	µg/100 cm <sup>2</sup>	09/23/22 11:33	09/26/22 15:45	DDI/PxM	SW846 3540C	SW 846-8082A
Aroclor-1260	ND		1	0.500	µg/100 cm <sup>2</sup>	09/23/22 11:33	09/26/22 15:45	DDI/PxM	SW846 3540C	SW 846-8082A
Aroclor-1262	ND		1	0.500	µg/100 cm <sup>2</sup>	09/23/22 11:33	09/26/22 15:45	DDI/PxM	SW846 3540C	SW 846-8082A
Aroclor-1268	ND		1	0.500	µg/100 cm <sup>2</sup>	09/23/22 11:33	09/26/22 15:45	DDI/PxM	SW846 3540C	SW 846-8082A
<b>Surrogate(s)</b>	<b>Recovery</b>	<b>Q</b>		<b>Limits</b>						
<i>Surrogate: Tetrachloro-m-xylene</i>	47%			31-103		09/23/22 11:33	09/26/22 15:45	DDI/PxM	SW846 3540C	SW 846-8082A
<i>Surrogate: Decachlorobiphenyl</i>	51%			37-120		09/23/22 11:33	09/26/22 15:45	DDI/PxM	SW846 3540C	SW 846-8082A

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**Quality Control****GC-SVOA**

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch: BAI0078 - SW846 3540C****Blank (BAI0078-BLK1)**

Prepared: 9/21/2022 Analyzed: 9/22/2022

Aroclor-1016	ND	0.25	mg/kg						
Aroclor-1016 [2C]	ND	0.25	mg/kg						
Aroclor-1221	ND	0.25	mg/kg						
Aroclor-1221 [2C]	ND	0.25	mg/kg						
Aroclor-1232	ND	0.25	mg/kg						
Aroclor-1232 [2C]	ND	0.25	mg/kg						
Aroclor-1242	ND	0.25	mg/kg						
Aroclor-1242 [2C]	ND	0.25	mg/kg						
Aroclor-1248	ND	0.25	mg/kg						
Aroclor-1248 [2C]	ND	0.25	mg/kg						
Aroclor-1254	ND	0.25	mg/kg						
Aroclor-1254 [2C]	ND	0.25	mg/kg						
Aroclor-1260	ND	0.25	mg/kg						
Aroclor-1260 [2C]	ND	0.25	mg/kg						
Aroclor-1262	ND	0.25	mg/kg						
Aroclor-1262 [2C]	ND	0.25	mg/kg						
Aroclor-1268	ND	0.25	mg/kg						
Aroclor-1268 [2C]	ND	0.25	mg/kg						

**Surrogate(s)**

Surrogate: Tetrachloro-m-xylene		0.5000				66	21-123		
Surrogate: Decachlorobiphenyl		0.5000				68	17-128		

**LCS (BAI0078-BS1)**

Prepared: 9/21/2022 Analyzed: 9/22/2022

Aroclor-1016	3.53	0.25	mg/kg	5.000		71	37-104		
Aroclor-1260	3.25	0.25	mg/kg	5.000		65	45-121		

**Surrogate(s)**

Surrogate: Tetrachloro-m-xylene		0.5000				67	21-123		
Surrogate: Decachlorobiphenyl		0.5000				67	17-128		

**Matrix Spike (BAI0078-MS1)****Source: AA51323-01**

Prepared: 9/21/2022 Analyzed: 9/22/2022

Aroclor-1016	3.64	0.25	mg/kg	4.926	ND	74	30-133		
Aroclor-1260	3.45	0.25	mg/kg	4.926	ND	70	30-134		

**Surrogate(s)**

Surrogate: Tetrachloro-m-xylene		0.4926				67	21-123		
Surrogate: Decachlorobiphenyl		0.4926				72	17-128		

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**Quality Control**  
 (Continued)

**GC-SVOA (Continued)**

Analyte	Result Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch: BAI0078 - SW846 3540C (Continued)****Matrix Spike Dup (BAI0078-MSD1)****Source: AA51323-01**

Prepared: 9/21/2022 Analyzed: 9/22/2022

Aroclor-1016	3.42	0.25	mg/kg	4.975	ND	69	30-133	6	28
Aroclor-1260	3.16	0.25	mg/kg	4.975	ND	63	30-134	9	28

**Surrogate(s)**

Surrogate: Tetrachloro-m-xylene	0.4975	63	21-123
Surrogate: Decachlorobiphenyl	0.4975	65	17-128

**Batch: BAI0090 - SW846 3540C****Blank (BAI0090-BLK1)**

Prepared: 9/23/2022 Analyzed: 9/26/2022

Aroclor-1016	ND	0.500	µg/100 cm <sup>2</sup>
Aroclor-1016 [2C]	ND	0.500	µg/100 cm <sup>2</sup>
Aroclor-1221	ND	0.500	µg/100 cm <sup>2</sup>
Aroclor-1221 [2C]	ND	0.500	µg/100 cm <sup>2</sup>
Aroclor-1232	ND	0.500	µg/100 cm <sup>2</sup>
Aroclor-1232 [2C]	ND	0.500	µg/100 cm <sup>2</sup>
Aroclor-1242	ND	0.500	µg/100 cm <sup>2</sup>
Aroclor-1242 [2C]	ND	0.500	µg/100 cm <sup>2</sup>
Aroclor-1248	ND	0.500	µg/100 cm <sup>2</sup>
Aroclor-1248 [2C]	ND	0.500	µg/100 cm <sup>2</sup>
Aroclor-1254	ND	0.500	µg/100 cm <sup>2</sup>
Aroclor-1254 [2C]	ND	0.500	µg/100 cm <sup>2</sup>
Aroclor-1260	ND	0.500	µg/100 cm <sup>2</sup>
Aroclor-1260 [2C]	ND	0.500	µg/100 cm <sup>2</sup>
Aroclor-1262	ND	0.500	µg/100 cm <sup>2</sup>
Aroclor-1262 [2C]	ND	0.500	µg/100 cm <sup>2</sup>
Aroclor-1268	ND	0.500	µg/100 cm <sup>2</sup>
Aroclor-1268 [2C]	ND	0.500	µg/100 cm <sup>2</sup>

**Surrogate(s)**

Surrogate: Tetrachloro-m-xylene	1.000	50	31-103
Surrogate: Decachlorobiphenyl	1.000	54	37-120



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### Quality Control (Continued)

**GC-SVOA (Continued)**

Analyte	ResultQual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch: BAI0090 - SW846 3540C (Continued)****LCS (BAI0090-BS1)**

Prepared: 9/23/2022 Analyzed: 9/26/2022

Aroclor-1016	7.16	0.500	µg/100 cm <sup>2</sup>	10.00		72	47-110		
Aroclor-1260	6.97	0.500	µg/100 cm <sup>2</sup>	10.00		70	49-127		

**Surrogate(s)**

<i>Surrogate: Tetrachloro-m-xylene</i>				1.000		70	31-103		
<i>Surrogate: Decachlorobiphenyl</i>				1.000		69	37-120		

**LCS Dup (BAI0090-BSD1)**

Prepared: 9/23/2022 Analyzed: 9/26/2022

Aroclor-1016	6.16	0.500	µg/100 cm <sup>2</sup>	10.00		62	47-110	15	200
Aroclor-1260	6.23	0.500	µg/100 cm <sup>2</sup>	10.00		62	49-127	11	200

**Surrogate(s)**

<i>Surrogate: Tetrachloro-m-xylene</i>				1.000		56	31-103		
<i>Surrogate: Decachlorobiphenyl</i>				1.000		62	37-120		

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**Certified Analyses included in this Report**

Analyte	CAS #	Certifications
<b>SW 846-8082A in Solid</b>		
Aroclor-1016	2674-11-2	NJDEP,PADEP,NYSDOH
Aroclor-1221	11104-28-2	NJDEP,PADEP,NYSDOH
Aroclor-1232	11141-16-5	NJDEP,PADEP,NYSDOH
Aroclor-1242	53469-21-9	NJDEP,PADEP,NYSDOH
Aroclor-1248	12672-29-6	NJDEP,PADEP,NYSDOH
Aroclor-1254	11097-69-1	NJDEP,PADEP,NYSDOH
Aroclor-1260	11096-82-5	NJDEP,PADEP,NYSDOH
Aroclor-1262	37324-23-5	NJDEP,PADEP,NYSDOH
Aroclor-1268	11100-14-4	NJDEP,PADEP,NYSDOH
<b>SW 846-8082A in Wipe</b>		
Aroclor-1016	2674-11-2	NJDEP,NYSDOH,PADEP
Aroclor-1221	11104-28-2	NJDEP,NYSDOH,PADEP
Aroclor-1232	11141-16-5	NJDEP,NYSDOH,PADEP
Aroclor-1242	53469-21-9	NJDEP,NYSDOH,PADEP
Aroclor-1248	12672-29-6	NJDEP,NYSDOH,PADEP
Aroclor-1254 [2C]	11097-69-1	NJDEP,NYSDOH,PADEP
Aroclor-1260 [2C]	11096-82-5	NJDEP,NYSDOH,PADEP
Aroclor-1262	37324-23-5	NJDEP,NYSDOH,PADEP
Aroclor-1268	11100-14-4	NJDEP,NYSDOH,PADEP

**List of Certifications**

Code	Description	Number	Expires
A2LA	A2LA Environmental Certificate	2845.01	07/31/2024
AIHA ELLAP 39	EMSL Analytical, Inc. St. Louis, MO AIHA-LAP, LLC-ELLAP Accredited	102636	06/23/2023
NJDEP	New Jersey Department of Environmental Protection	03036	06/30/2023
PADEP	Pennsylvania Department of Environmental Protection	68-00367	11/30/2022
NYSDOH	New York State Department of Health	10872	04/01/2023
CTDPH	Connecticut Department of Public Health	PH-0270	06/23/2023

Please see the specific Field of Testing (FOT) on [www.emsl.com](http://www.emsl.com) <<http://www.emsl.com>> for a complete listing of parameters for which EMSL is certified.



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Parsons Engineering Science [PARS53]  
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Syracuse, NY 13212  
(315) 857-8375  
heather.budzich@parsons.com

**Project Name:** NYS Canal Corp 453128-Utica-Gradall 2  
**Customer PO:**  
**EMSL Sales Rep:** Jeromy Bish  
**Received:** 09/20/2022 09:40  
**Reported:** 09/28/2022 13:32

**Notes and Definitions**

<b>Item</b>	<b>Definition</b>
[2C]	Reported from the second channel in dual column analysis.
DF	Dilution Factor
MDL	Method Detection Limit.
ND	Analyte was NOT DETECTED at or above the detection limit.
Q	Qualifier
RL	Reporting Limit
%REC	Percent Recovery
RPD	Relative Percent Difference
Source	Sample that was matrix spiked or duplicated

Measurement of uncertainty and any applicable definitions of method modifications are available upon request. Per EPA NLLAP policy, sample results are not blank corrected.





EMSL ANALYTICAL, INC.

# Environmental Chemistry Chain of Custody

EMSL Order Number / Lab Use Only

EMSL Analytical, Inc.  
200 Rt. 130 N  
Cinnaminon, NJ 08077

PHONE: (800) 220-3675  
EMAIL: EnvChemistry2@EMSL.com

AA 51355

Customer Information	Customer ID:	Billing ID:
	Company Name: <b>Parsons</b>	Company Name: <b>Parsons</b>
	Contact Name: <b>Heather Budzich</b>	Billing Contact: <b>Heather Budzich</b>
	Street Address: <b>301 Plainfield Rd Suite 350</b>	Street Address: <b>301 Plainfield Rd Suite 350</b>
	City, State, Zip: <b>Syracuse, NY 13212</b> Country: <b>US</b>	City, State, Zip: <b>Syracuse, NY 13212</b> Country: <b>US</b>
Phone: <b>315-857-8375</b>	Phone: <b>315-857-8375</b>	
Email(s) for Report: <b>Heather.Budzich@parsons.com</b>	Email(s) for Invoice: <b>Heather.Budzich@parsons.com</b>	

Project Name/No: **NYS Canal Corp 453128 - Utica - Gradall 2** Purchase Order:

EMSL LIMS Project ID: (If applicable, EMSL will provide) US State where samples collected: **NY** State of Connecticut (CT) must select project location:  Commercial (Taxable)  Residential (Non-Taxable)

Samples for Compliance?  Yes  No If Yes, for NPDES?  Yes  No Other (Specify) PWS ID: State Reporting Required?  Yes  No

Samples Collected by (Check One):  EMSL  CLIENT Samples Received Chilled?  Yes  No Sample(s) Temperature Upon Receipt (LAB ONLY)

Sampled By Name: **Peter Whitaker** Sampled By Signature: *[Signature]* No. of Samples in Shipment: **2**

Turn-Around-Time (TAT) Standard Turn-Around-Time:  2 Weeks The following TAT's are subject to Lab approval. Call lab to confirm TAT before submittal:  1 Week  4 Days  3 Days  2 Days  1 Day

Client Sample ID	Comp	Grab	Date / Time Collected	Matrix W=Water S=Soil A=Air SL=Sludge O=Other	Preservative 1 HCL 2 HNO3 3 H2SO4 4 ICE 5 Other <i>Describe below in Special Instructions</i>	List Test(s) Needed (Write in test below, then check on sample line:)								Comments		
						Test 1:	Test 2:	Test 3:	Test 4:	Test 5:	Test 6:	Test 7:	Test 8:			
1. PCB-1		X	9/19/22/1135	O	N/A	X										Newage generator TSI
2. PCB-2		X	9/19/22/1135	O	Acetonhexane	X										Oil under Newage generator <b>100cm<sup>2</sup></b>

Special Instructions and/or Regulatory Requirements (Sample Specifications, Processing Methods, Limits of Detection, etc.)

Reporting Requirements:  Results Only  Results and QC  Reduced Deliverables  Hzresults EDD  Excel  Other (Describe Above)

Method of Shipment: **Fedex** Sample Condition Upon Receipt:

Relinquished by: **P. Whitaker** Date/Time: **9/19/22/1000** Received by: **Colleen Palladino** Date/Time: **9/20/22 9:45 AM**

EMSL Analytical, Inc.'s Laboratory Terms and Conditions are incorporated into this Chain of Custody by reference in their entirety. Submission of samples to EMSL Analytical, Inc. constitutes acceptance and acknowledgment of all terms and conditions by Customer

## **ATTACHMENT E – XRF ANALYZER DATA**

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Boat	Reading	Component	Substrate	Color	Condition	Note	LBP (Positive or Negative)
Gradall 2	S-1	roof	steel	silver	poor	silver roof	positive
Gradall 2	S-2	wall	steel	blue	poor	port exterior wall	negative
Gradall 2	S-3	gradall	steel	yellow	poor	bow mounted gradall	positive
Gradall 2	S-4	spud housing	steel	blue	poor	starboard bow	positive
Gradall 2	S-5	wall	steel	blue	poor	front exterior wall	positive
Gradall 2	S-6	door	wood	blue	poor	exterior starboard engine room door	negative
Gradall 2	S-7	deck	steel	red	poor	starboard exterior deck	negative
Gradall 2	S-8	window	wood	yellow	poor	starboard exterior window frame	positive
Gradall 2	S-9	railing	steel	yellow	poor	starboard exterior railing	positive
Gradall 2	S-10	wall	steel	blue	poor	starboard exterior wall	negative
Gradall 2	S-11	window	steel	yellow	poor	rear of vessel exterior above window	positive
Gradall 2	S-12	wall	steel	blue	poor	rear exterior wall	negative
Gradall 2	S-13	deck	steel	red	poor	rear exterior deck	negative
Gradall 2	S-14	rear deck ceiling	steel	blue	poor	rear deck overhang ceiling	positive
Gradall 2	S-15	ceiling	wood	white	poor	galley ceiling	negative
Gradall 2	S-16	door	wood	blue	poor	interior shower room door	negative
Gradall 2	S-17	support beam	steel	red	poor	rear of engine room cross beam	positive
Gradall 2	S-18	deck	steel	red	poor	rear of engine room deck	positive
Gradall 2	S-19	support beam	steel	orange	poor	stern hole hull structure beam	positive
Gradall 2	S-20	chimney	steel	silver	poor	engine room oil furnace chimney	positive
Gradall 2	S-21	wall	steel	white	poor	engine room starboard interior wall	positive
Gradall 2	S-22	wall	steel	gray	poor	engine room starboard interior lower wall	positive
Gradall 2	S-23	stairs	steel	red	poor	engine room staircase	positive
Gradall 2	S-24	support beam	steel	orange	poor	forward of engine room hull structure beam	positive
Gradall 2	S-25	support beam	steel	orange	poor	forward of engine room hull structure beam	positive
Gradall 2	S-26	deck	steel	red	poor	engine room deck	negative
Gradall 2	S-27	window	steel	gray	poor	engine room interior port window frame	negative

\*Condition refers to paint quality at time of inspection

\*Reading - Refer to vessel blueprint

\*mg/cm<sup>2</sup> = milligrams/ centimeter squared

\*LBP positive = greater than 1.0mg/cm<sup>2</sup>, LBP negative = less than 1.0 mg/cm<sup>2</sup>