

Responses to Questions for IFB 1138  
Site Clearing and Vegetation Control

<b>Q1</b>	<b>Are there any hazardous chemicals/materials that our crew could come in contact with while performing work within the property?</b>
A1	Throughout the history of the RUSH Landfill closure, which occurred decades ago, NYS has not encountered any adverse reports of hazardous conditions pertaining to contractors and/or NY staff. Please note the attached documentation of the latest engineering reports denoted as the "Former Rush Landfill Leachate Discharge Monthly Monitoring Report, January 2024"
<b>Q2</b>	<b>Are there specific GL and auto insurance requirements? The specifications only talk about workers comp and disability.</b>
A2	Commercial General Liability Insurance / Commercial Umbrella Liability Insurance limits are set at \$1,000,000 each occurrence / \$2,000,000 aggregate. Commercial Automobile Liability limits are set at \$250,000 occurrence / \$500,000 aggregate.
<b>Q3</b>	<b>a. Is it a requirement of this IFB to utilize MWBE and SDVOB vendors? b. If the two low bids were near each other in price but the 2nd lowest was a MWBE or SDVOB would the 2nd lowest firm be chosen?</b>
A3	a. Per IFB <b>Section 4.13.2</b> , OCFS has an overall goal of 30% of discretionary non-personnel service spending for NYS certified MWBE participation. Per <b>Section 4.14</b> , OCFS strongly encourages vendors who contract with OCFS to consider using certified SDVOBs that are responsible and responsive for at least 6% of discretionary non-personnel service spending in the fulfillment of the requirements of their contracts. b. No, per IFB <b>Section 4.1 Method of Award</b> , "The bidder submitting a bid in compliance with <b>Section 2.0 Bid Submission</b> , meeting requirements stated in <b>Section 3.0 Specifications</b> , passing vendor responsibility review, and offering the lowest bid will be awarded."
<b>Q4</b>	<b>Scope of work: 1.07 -B. Number of hours of work performance per deliverable. Can you elaborate on this specification?</b>
A4	IFB #1138 lists the number of hours assigned to Deliverable #3. This has been broken down as follows within the two parts. Deliverable #3 for Year One = 160 Hours. Deliverable #3 for Year Two through Year Five is noted at 40 Hours/Year = 160 Hours. The combined 5-year total for Deliverable #3 = 320 Hours. All these hours are noted as: Intermittent/On-Demand/On-Call Tree Removal. Your rates should be calculated based on information within Appendix D – Scope of Work Section 1.07 Calculation of Hourly Bid Costs.
<b>Q5</b>	<b>Scope of work: 2.04 B, a. Clippings from the May/June and June/July brush hog cutting must be removed to maintain a 0"-4" clearance above existing grade. Clippings from the annual August/September brush hog cutting shall be evenly distributed over cells. Would it be acceptable to leave the grass clippings from brush hogging events 1 and 2 in place? Assuming the clippings would be shredded to less than a 4-inch height from grade and dispersed over the cells. My concern with collecting clippings during May-June would be the large volume and moisture causing a potential for spontaneous combustion.</b>
A5	OCFS will accept leaving short cutting debris on-site with the following limitations: a. Clippings resulting from mowing along access roadway shoulders shall be mulched to reduce clipping size.

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	<p>b. Mulched clippings from mowing of access roadway shoulders shall be left in place and must be evenly spread over roadway shoulders.</p> <p>c. Mulched clippings from mowing unpaved driveways shall be left in place and must be evenly spread over roadway shoulders on driveway.</p> <p>d. First of two events each year resulting in clippings from brush-hog vegetation control shall be removed from both cells of landfill mounds to a level not exceeding four inches high from the ground, and the remainder clippings evenly spread on each landfill mound. Clippings from the second of two events associated with brush-hog work each year shall be left in place and shall be evenly distributed over the cells.</p>
<b>Q6</b>	<p><b>Scope of work: 2.05 A. First Year - Single Occurrence Work for Year One. The scope covered in Section 2.05 includes the removal of approximately 350 tree stumps over the 46 acres and a minimal yet undetermined volume of tree limbs which may have fallen since the last walkthrough - dated October 2023. (Assume the 350+/- stumps are 24" high and 12" diameter or smaller throughout.) Base your hourly bid rate on a total of 160 hours required for the first contract year. OCFS reserves the right to increase the number of hours that can be billed under the resulting contract on an as-needed basis. Awarded vender shall provide:</b></p> <p>a. In respect to the 160 hours for year 1 and 160 cumulative hours for years 2-5, is it 320 "man hours" plus equipment?</p> <p>b. If the 160 hours is not a per man hour rate and is to be bid as an hourly rate per crew plus equipment and we don't get all 350 stumps removed are we required to remove the remaining at no additional charge?</p>
A6	<p>a. Calculate your rates based on information within Appendix D – Scope of Work Section 1.07 Calculation of Hourly Bid Costs. Hourly rates must be inclusive of all required Labor, Equipment, Overhead, Profit, etc.</p> <p>b. Both Deliverable #3 for Year One &amp; Deliverable #3 for Year Two through Year Five are the estimated/anticipated amounts. These are On-Demand/On-Call quantiles. The total of all Deliverable #3 items is capped at 320 hours. This is strictly for equality in bidding purposes. While it is possible additional hours might be required, it is not guaranteed. NYS-OCFS reserves the right to increase the number of hours that can be billed under the resulting contract on an as-needed basis throughout the contract term.</p>
<b>Q7</b>	<p><b>Scope of work: 2.05 B. Intermittent, On-Demand and On-Call Tree Removal Work for Years two through five:</b></p> <p><b>Are we required to be on call for removals throughout the year or just the standard growing season?</b></p>
A7	<p>Assume that all On-Demand/On-Call Tree Removal work shall be requested and performed between the months of March 15 through November 15, inclusive.</p>
<b>Q8</b>	<p>a. <b>Is the work to be completed during normal business hours M-F?</b></p> <p>b. <b>Can we work long days and weekends?</b></p>
A8	<p>a. Yes, all work performed under this contract will be completed during normal business hours 6 am-4 pm Eastern Time, Monday through Friday.</p> <p>b. Typically, alternate work hours/days are unavailable, however NYS may consider that scenario in the event of an emergency occurrence. Prior approval of OCFS will be required for work performed outside of normal business hours.</p>

March 4, 2024

Mr. Sean Keenan  
Monroe County Environmental Services  
145 Paul Road, Building 1  
Rochester, New York 14624  
[IWC@monroecounty.gov](mailto:IWC@monroecounty.gov)

Re: *Monthly Monitoring Report, **January 2024***  
*Former Rush Landfill Leachate Discharge*  
*MCSD Permit Number No. IWC-788*

Dear Mr. Keenan:

Enclosed please find the January 2024 analytical results summary for the 24-hour composite sample collected from the Former Rush Landfill at Leachate Collection System Manhole 6 (MH-6).

The January 2024 sample was collected on January 31, 2024, with an ISCO 6712 auto sampler. The composite sample was analyzed for **quarterly** parameters. Two (2) measurements of pH were collected in the field using a YSI-63 during the 24-hr sampling event and recorded on the laboratory chain-of-custody. The measurements were collected at the beginning and end of the sample collection period, recorded in the on-site field log at 6.76 and 6.83, respectively.

No compounds of concern were reported in the January 2024 leachate sample at concentrations that exceed the Monroe County Sewer District Permit (No. 788) discharge limits for the Site. The method detection limits were less than the applicable standards for all compounds. The analytical data is summarized in **Table 1** and a copy of the laboratory analytical report is attached.

The total volume of leachate recorded by the flow meter installed on the discharge side of the main pump station (PS-2) for the period from December 29, 2023, through January 31, 2024, was approximately 637,116-gallons. Recorded monthly leachate flow data for January 2024 are summarized in **Table 2**.

If you have questions or comments regarding work at this site or these reported results, please do not hesitate to contact me at 518-266-7355 or Kelsey Carr at 518-812-0513.

Respectfully submitted,

**LaBella Associates**



Branson Fields  
Environmental Scientist

cc: Ms. Bridget O'Hanlon - NYSOGS  
Mr. Maxwell Martin - NYSOGS  
Mr. Alfred Yalaju - OCFS  
Mr. Robert Tubbs - OCFS  
Mr. Chris O'Sullivan - OCFS  
Ms. Jan Finch- OCFS  
LaBella internal distribution list

Attachments: Table 1 (lab results), Table 2 (leachate flow), Laboratory Analytical Report



# **TABLES**

**Table 1**  
**FORMER RUSH LANDFILL SEWER DISCHARGE MONITORING**  
**Laboratory Analytical Results Summary**  
**January 31, 2024**

Grab Sample		MCSUL	MH-6	
	pH (start)	5.0-12.0	6.76	
	pH (end)	5.0-12.0	6.83	
	Cyanide (T)	1 mg/L	0.017	
Timed Composite Sample		MH-6	MH-6	
	<b>METALS</b>	(mg/L)	(mg/L)	
<b>MONTHLY</b>	Cadmium (T)	1	< 0.0005	
	Chromium (T)	3	< 0.005	
	Copper (T)	3	0.087	
	Lead (T)	1	< 0.003	
	Nickel (T)	3	< 0.005	
	Silver (T)	2	< 0.0005	
	Zinc (T)	5	0.054	
<b>SEMI-ANNUAL</b>	Antimony (T)	1	NA	
	Arsenic (T)	0.5	NA	
	Barium (T)	2	NA	
	Beryllium (T)	5	NA	
	Mercury (T)	0.05	NA	
	Selenium (T)	2	NA	
	Thallium (T)	1	NA	
	<b>ORGANICS</b>			
	<b>Polychlorinated Biphenyls</b>		µg/L	µg/L
		Arochlor 1016	0.3	NA
		Arochlor 1221		NA
		Arochlor 1232		NA
		Arochlor 1242		NA
		Arochlor 1248		NA
	Arochlor 1254	NA		
	Arochlor 1260	NA		
<b>QUARTERLY</b>	<b>Total Recoverable Phenolics</b>	2.13 mg/L		<0.03 mg/L
	<b>Purgeable Aromatics</b>	2.13 mg/L <	< 0.01 mg/L	
	<b>Purgeable Halocarbons</b>	Sum ALL > 10	0.01 mg/L	
	<b>BNS and Acid Extractables</b>	µg/L	< 0.01 mg/L	

Notes:

µg/L = micrograms per liter

mg/L = milligrams per liter

1 µg/L = 0.001 mg/L

NA = Not analyzed

**Table 2**  
**FORMER RUSH LANDFILL SEWER DISCHARGE MONITORING**  
**Monthly Leachate Discharge Flow Data**  
**January 2024**

Date	South Cell			North Cell		
	PS-1 Flow Meter (gallons)	Pump 1A (hours)	Pump 1B (hours)	PS-2 Flow Meter (gallons)	Pump 2A (hours)	Pump 2B (hours)
01/01/2024	-	-	-	-	-	-
01/02/2024	557,590	138.1	124.3	20,815,990	6,891.6	711.9
01/03/2024	557,964	138.2	124.4	20,827,598	6,892.9	7,113.2
01/04/2024	558,331	138.3	124.5	20,838,454	6,894.1	7,114.5
01/05/2024	558,535	138.4	124.7	20,848,866	6,895.3	7,115.6
01/06/2024	-	-	-	-	-	-
01/07/2024	-	-	-	-	-	-
01/08/2024	-	-	-	-	-	-
01/09/2024	559,741	138.8	125.0	20,893,178	6,900.0	7,120.6
01/10/2024	560,110	138.9	125.1	20,909,524	6,902.1	7,122.5
01/11/2024	560,484	139.0	125.2	20,922,904	6,903.6	7,123.9
01/12/2024	561,029	139.2	125.4	20,936,728	6,905.1	7,125.5
01/13/2024	-	-	-	-	-	-
01/14/2024	-	-	-	-	-	-
01/15/2024	562,572	139.7	125.9	20,991,344	6,911.4	7,131.7
01/16/2024	563,107	139.8	126.1	21,006,552	6,913.1	7,133.4
01/17/2024	563,639	140.0	126.2	21,021,716	6,914.8	7,135.2
01/18/2024	564,179	140.1	126.4	21,037,240	6,916.7	7,136.9
01/19/2024	564,546	140.3	126.6	21,051,024	6,918.2	7,138.6
01/20/2024	-	-	-	-	-	-
01/21/2024	-	-	-	-	-	-
01/22/2024	565,583	140.6	126.9	21,092,896	6,923.1	7,143.4
01/23/2024	565,953	140.7	127.0	21,106,874	6,924.7	7,145.0
01/24/2024	566,328	140.8	127.1	21,120,662	6,926.2	7,146.7
01/25/2024	566,870	141.0	127.2	21,155,248	6,930.2	7,150.8
01/26/2024	568,604	141.6	127.8	21,219,438	6,939.4	7,160.8
01/27/2024	-	-	-	-	-	-
01/28/2024	-	-	-	-	-	-
01/29/2024	574,430	143.3	129.7	21,343,418	6,954.9	7,176.0
01/30/2024	576,205	143.8	130.2	21,374,168	6,958.5	7,179.8
01/31/2024	577,796	144.4	130.7	21,403,272	6,962.3	7,183.2
<b>TOTALS since 12/29/2023</b>	<b>21,572</b>	<b>6.7</b>	<b>6.8</b>	<b>637,116</b>	<b>76.2</b>	<b>76.8</b>



# **ATTACHMENT**

**Laboratory Analytical Report**



# Analytical Laboratory Report

Report ID: S58252.01(01)  
Generated on 02/13/2024

## Report to

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Attention: Branson Fields  
LaBella Associates  
4 British American Boulevard  
Latham, NY 12110

Phone: 518-266-7355 FAX:  
Email: BFields@labellapc.com

## Report produced by

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Merit Laboratories, Inc.  
2680 East Lansing Drive  
East Lansing, MI 48823

Phone: (517) 332-0167 FAX: (517) 332-6333

## Contacts for report questions:

John Lavery (johnlavery@meritlabs.com)  
Barbara Ball (bball@meritlabs.com)

## Report Summary

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Lab Sample ID(s): S58252.01  
Project: Rush Landfill  
Collected Date(s): 01/31/2024  
Submitted Date/Time: 02/01/2024 09:30  
Sampled by: Michael Delaney  
P.O. #:

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Maya Murshak  
Technical Director





# Analytical Laboratory Report

## General Report Notes

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Analytical results relate only to the samples tested, in the condition received by the laboratory.

Methods may be modified for improved performance.

Results reported on a dry weight basis where applicable.

'Not detected' indicates that parameter was not found at a level equal to or greater than the reporting limit (RL).

When MDL results are provided, then 'Not detected' indicates that parameter was not found at a level equal to or greater than the MDL.

40 CFR Part 136 Table II Required Containers, Preservation Techniques and Holding Times for the Clean Water Act specify that samples for acrolein and acrylonitrile, and 2-chloroethylvinyl ether need to be preserved at a pH in the range of 4 to 5 or if not preserved, analyzed within 3 days of sampling.

QA/QC corresponding to this analytical report is a separate document with the same Merit ID reference and is available upon request.

Starred (\*) analytes are not NY NELAP accredited.

Samples are held by the lab for 30 days from the final report date unless a written request to hold longer is provided by the client.

Report shall not be reproduced except in full, without the written approval of Merit Laboratories, Inc.

Limits for drinking water samples, are listed as the MCL Limits (Maximum Contaminant Level Concentrations)

PFAS requirement: Section 9.3.8 of U.S. EPA Method 537.1 states "If the method analyte(s) found in the Field Sample is present in the

FRB at a concentration greater than 1/3 the MRL, then all samples collected with that FRB are invalid and must be recollected and reanalyzed."

Samples submitted without an accompanying FRB may not be acceptable for compliance purposes.

Wisconsin PFAs analysis: MDL = LOD; RL = LOQ. LOD and LOQ are adjusted for dilution.

All accreditations/certifications held by this laboratory are listed on page 3. Not all accreditations/certifications are applicable to this report.

For a specific list of accredited analytes, please feel free to contact the laboratory or visit <https://www.meritlabs.com/certifications>.

## Report Narrative

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There is no additional narrative for this analytical report



# Analytical Laboratory Report

## Laboratory Accreditations (For Reference Only)

Authority	Accreditation ID
Michigan DEQ	#9956
DOD ELAP & ISO/IEC 17025:2017	#69699 PJLA Testing
WBENC	#2005110032
Ohio VAP	#CL0002
Indiana DOH	#C-MI-07
New York NELAC	#11814
North Carolina DENR	#680
North Carolina DOH	#26702
Pennsylvania DEP	#68-05884
Wisconsin DNR	FID# 399147320

## Qualifier Descriptions

Qualifier	Description
!	Result is outside of stated limit criteria
B	Compound also found in associated method blank
E	Concentration exceeds calibration range
F	Analysis run outside of holding time
G	Estimated result due to extraction run outside of holding time
H	Sample submitted and run outside of holding time
I	Matrix interference with internal standard
J	Estimated value less than reporting limit, but greater than MDL
L	Elevated reporting limit due to low sample amount
M	Result reported to MDL not RDL
O	Analysis performed by outside laboratory. See attached report.
R	Preliminary result
S	Surrogate recovery outside of control limits
T	No correction for total solids
X	Elevated reporting limit due to matrix interference
Y	Elevated reporting limit due to high target concentration
b	Value detected less than reporting limit, but greater than MDL
e	Reported value estimated due to interference
j	Analyte also found in associated method blank
p	Benzo(b)Fluoranthene and Benzo(k)Fluoranthene integrated as one peak.
x	Preserved from bulk sample

## Glossary of Abbreviations

Abbreviation	Description
RL/RDL	Reporting Limit
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
SW	EPA SW 846 (Soil and Wastewater) Methods
E	EPA Methods
SM	Standard Methods
LN	Linear
BR	Branched



# Analytical Laboratory Report

## Method Summary

Method	Version
E200.8	EPA Method 200.8 Revision 5.4
E335.4/SM4500-CN	EPA Method 335.4 Revision 1.0 / Standard Method 4500-CN E 20th Edition
E420.1	EPA Method 420.1 Editorial Revision 1978
E624.1	EPA Method 624.1 December 2016
E625.1	EPA Method 625.1 December 2016
N/A	Not Applicable
SW3015A	SW 846 Method 3015A Revision 1 February 2007



# Analytical Laboratory Report

## Sample Summary (1 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S58252.01	MH-6	Wastewater	01/31/24 14:45



# Analytical Laboratory Report

Lab Sample ID: S58252.01

Sample Tag: MH-6

Collected Date/Time: 01/31/2024 14:45

Matrix: Wastewater

COC Reference: 159100

### Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	125mL Plastic	HNO3	Yes	3.0	IR
1	125mL Plastic	NaOH	Yes	3.0	IR
2	1L Amber	None	Yes	3.0	IR
3	40ml Glass	HCL	Yes	3.0	IR
1	125mL Amber	H2SO4	Yes	3.0	IR

### Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
pH check for VOCs*	<2	N/A	02/07/24 11:03	ACK	
Residual Chlorine check for VOCs*	Not detected	N/A	02/07/24 11:03	ACK	
Metal Digestion	Completed	SW3015A	02/05/24 12:30	CCM	
BNA Extraction*	Completed	E625.1	02/06/24 15:00	JWR	

### Inorganics

Method: E335.4/SM4500-CN, Run Date: 02/06/24 08:16, Analyst: JDP

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Cyanide, Total	0.017	0.004	0.001	mg/L	2	57-12-5	

Method: E420.1, Run Date: 02/11/24 21:02, Analyst: ASB

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Phenols	Not detected	0.05		mg/L	5.00		

### Metals

Method: E200.8, Run Date: 02/05/24 14:43, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Cadmium	Not detected	0.0005		mg/L	5	7440-43-9	
Chromium	Not detected	0.005		mg/L	5	7440-47-3	
Copper	0.087	0.005		mg/L	5	7440-50-8	
Lead	Not detected	0.003		mg/L	5	7439-92-1	
Nickel	Not detected	0.005		mg/L	5	7440-02-0	
Silver	Not detected	0.0005		mg/L	5	7440-22-4	
Zinc	0.054	0.005		mg/L	5	7440-66-6	

### Organics - Semi-Volatiles

SVOCs, TTO List, Method: E625.1, Run Date: 02/08/24 17:13, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acenaphthene	Not detected	10		ug/L	10	83-32-9	
Acenaphthylene	Not detected	10		ug/L	10	208-96-8	
Anthracene	Not detected	10		ug/L	10	120-12-7	
Benzidine*	Not detected	10		ug/L	10	92-87-5	
Benzo(a)anthracene	Not detected	10		ug/L	10	56-55-3	
Benzo(b)fluoranthene	Not detected	10		ug/L	10	205-99-2	
Benzo(k)fluoranthene	Not detected	10		ug/L	10	207-08-9	
Benzo(ghi)perylene	Not detected	10		ug/L	10	191-24-2	
Benzo(a)pyrene	Not detected	10		ug/L	10	50-32-8	
bis(2-Chloroethoxy)methane	Not detected	10		ug/L	10	111-91-1	



# Analytical Laboratory Report

Lab Sample ID: S58252.01 (continued)

Sample Tag: MH-6

**SVOCs, TTO List, Method: E625.1, Run Date: 02/08/24 17:13, Analyst: PL (continued)**

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
bis(2-Chloroethyl)ether	Not detected	10		ug/L	10	111-44-4	
bis(2-Chloroisopropyl)ether*	Not detected	10		ug/L	10	108-60-1	
bis(2-Ethylhexyl)phthalate	Not detected	10		ug/L	10	117-81-7	
4-Bromophenyl phenyl ether	Not detected	10		ug/L	10	101-55-3	
Butyl benzyl phthalate	Not detected	10		ug/L	10	85-68-7	
2-Chloronaphthalene	Not detected	10		ug/L	10	91-58-7	
4-Chloro-3-methylphenol	Not detected	10		ug/L	10	59-50-7	
2-Chlorophenol	Not detected	10		ug/L	10	95-57-8	
4-Chlorophenyl phenyl ether	Not detected	10		ug/L	10	7005-72-3	
Chrysene	Not detected	10		ug/L	10	218-01-9	
Dibenzo(ah)anthracene	Not detected	10		ug/L	10	53-70-3	
di-n-Butyl phthalate	Not detected	10		ug/L	10	84-74-2	
3,3'-Dichlorobenzidine*	Not detected	10		ug/L	10	91-94-1	
2,4-Dichlorophenol	Not detected	10		ug/L	10	120-83-2	
Diethyl phthalate	Not detected	10		ug/L	10	84-66-2	
Dimethyl phthalate	Not detected	10		ug/L	10	131-11-3	
2,4-Dimethylphenol	Not detected	10		ug/L	10	105-67-9	
2,4-Dinitrophenol	Not detected	10		ug/L	10	51-28-5	
2,4-Dinitrotoluene	Not detected	10		ug/L	10	121-14-2	
2,6-Dinitrotoluene	Not detected	10		ug/L	10	606-20-2	
di-n-Octyl phthalate	Not detected	10		ug/L	10	117-84-0	
1,2-Diphenylhydrazine	Not detected	10		ug/L	10	122-66-7	
Fluoranthene	Not detected	10		ug/L	10	206-44-0	
Fluorene	Not detected	10		ug/L	10	86-73-7	
Hexachlorobenzene	Not detected	10		ug/L	10	118-74-1	
Hexachlorobutadiene	Not detected	10		ug/L	10	87-68-3	
Hexachlorocyclopentadiene	Not detected	10		ug/L	10	77-47-4	
Hexachloroethane	Not detected	10		ug/L	10	67-72-1	
Indeno(1,2,3-cd)pyrene	Not detected	10		ug/L	10	193-39-5	
Isophorone	Not detected	10		ug/L	10	78-59-1	
Naphthalene	Not detected	10		ug/L	10	91-20-3	
Nitrobenzene	Not detected	10		ug/L	10	98-95-3	
2-Nitrophenol	Not detected	10		ug/L	10	88-75-5	
4-Nitrophenol	Not detected	10		ug/L	10	100-02-7	
N-Nitrosodimethylamine	Not detected	10		ug/L	10	62-75-9	
N-Nitrosodiphenylamine	Not detected	10		ug/L	10	86-30-6	
N-Nitrosodi-n-propylamine	Not detected	10		ug/L	10	621-64-7	
Pentachlorophenol	Not detected	10		ug/L	10	87-86-5	
4,6-Dinitro-2-methylphenol	Not detected	10		ug/L	10	534-52-1	
Phenol	Not detected	10		ug/L	10	108-95-2	
Pyrene	Not detected	10		ug/L	10	129-00-0	
1,2,4-Trichlorobenzene	Not detected	10		ug/L	10	120-82-1	
2,4,6-Trichlorophenol	Not detected	10		ug/L	10	88-06-2	
Phenanthrene	Not detected	10		ug/L	10	85-01-8	
2,3,7,8-TCDD (Dioxin Screen)*	Not detected	10		ug/L	10	01746-01-6	

**Organics - Volatiles**

**VOCs, TTO List, Method: E624.1, Run Date: 02/06/24 20:44, Analyst: NDK**

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Acrylonitrile*	Not detected	1		ug/L	1	107-13-1	



# Analytical Laboratory Report

Lab Sample ID: S58252.01 (continued)

Sample Tag: MH-6

VOCs, TTO List, Method: E624.1, Run Date: 02/06/24 20:44, Analyst: NDK (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Chloromethane	Not detected	1		ug/L	1	74-87-3	
Vinyl chloride	Not detected	1		ug/L	1	75-01-4	
Bromomethane	Not detected	1		ug/L	1	74-83-9	
Chloroethane	Not detected	1		ug/L	1	75-00-3	
Acrolein*	Not detected	10		ug/L	1	107-02-8	
Trichlorofluoromethane	Not detected	1		ug/L	1	75-69-4	
1,1-Dichloroethene	Not detected	1		ug/L	1	75-35-4	
Methylene chloride	Not detected	5		ug/L	1	75-09-2	
trans-1,2-Dichloroethene	Not detected	1		ug/L	1	156-60-5	
1,1-Dichloroethane	Not detected	1		ug/L	1	75-34-3	
Chloroform	8	1		ug/L	1	67-66-3	
1,1,1-Trichloroethane	Not detected	1		ug/L	1	71-55-6	
2-Chloroethylvinyl ether*	Not detected	1		ug/L	1	110-75-8	
Carbon tetrachloride	Not detected	1		ug/L	1	56-23-5	
Benzene	Not detected	1		ug/L	1	71-43-2	
1,2-Dichloroethane	Not detected	1		ug/L	1	107-06-2	
Trichloroethene	Not detected	1		ug/L	1	79-01-6	
1,2-Dichloropropane	Not detected	1		ug/L	1	78-87-5	
Bromodichloromethane	2	1		ug/L	1	75-27-4	
cis-1,3-Dichloropropene	Not detected	1		ug/L	1	10061-01-5	
Toluene	Not detected	1		ug/L	1	108-88-3	
trans-1,3-Dichloropropene	Not detected	1		ug/L	1	10061-02-6	
1,1,2-Trichloroethane	Not detected	1		ug/L	1	79-00-5	
Tetrachloroethene	Not detected	1		ug/L	1	127-18-4	
Dibromochloromethane	Not detected	1		ug/L	1	124-48-1	
Chlorobenzene	Not detected	1		ug/L	1	108-90-7	
Ethylbenzene	Not detected	1		ug/L	1	100-41-4	
Bromoform	Not detected	1		ug/L	1	75-25-2	
1,1,2,2-Tetrachloroethane	Not detected	1		ug/L	1	79-34-5	
1,3-Dichlorobenzene	Not detected	1		ug/L	1	541-73-1	
1,4-Dichlorobenzene	Not detected	1		ug/L	1	106-46-7	
1,2-Dichlorobenzene	Not detected	1		ug/L	1	95-50-1	

# Merit Laboratories Login Checklist

Lab Set ID:S58252

Client:LABELLA (LaBella Associates)

Project: Rush Landfill

Submitted:02/01/2024 09:30 Login User: MMC

Attention: Branson Fields

Address: LaBella Associates  
4 British American Boulevard  
Latham, NY 12110

Phone: 518-266-7355 FAX:

Email: BFields@labellapc.com

Selection	Description	Note
-----------	-------------	------

## Sample Receiving

- |     |  |  |
|-----|--|--|
| 01. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Samples are received at 4C +/- 2C Thermometer # IR 3.0 |
| 02. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Received on ice/ cooling process begun                 |
| 03. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Samples shipped FedEx                                  |
| 04. | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | Samples left in 24 hr. drop box                        |
| 05. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Are there custody seals/tape or is the drop box locked |

## Chain of Custody

- |     |  |  |
|-----|--|--|
| 06. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | COC adequately filled out                |
| 07. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | COC signed and relinquished to the lab   |
| 08. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Sample tag on bottles match COC          |
| 09. | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | Subcontracting needed? Subcontracted to: |

## Preservation

- |     |  |   |
|-----|--|---|
| 10. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Do sample have correct chemical preservation        |
| 11. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Completed pH checks on preserved samples? (no VOAs) |
| 12. | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | Did any samples need to be preserved in the lab?    |

## Bottle Conditions

- |     |  |   |
|-----|--|---|
| 13. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | All bottles intact                            |
| 14. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Appropriate analytical bottles are used       |
| 15. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Merit bottles used                            |
| 16. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Sufficient sample volume received             |
| 17. | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | Samples require laboratory filtration         |
| 18. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Samples submitted within holding time         |
| 19. | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | Do water VOC or TOX bottles contain headspace |

Corrective action for all exceptions is to call the client and to notify the project manager.

Client Review By: \_\_\_\_\_ Date: \_\_\_\_\_



# Merit Laboratories Bottle Preservation Check

Lab Set ID: S58252      Submitted: 02/01/2024 09:30

Client: LABELLA (LaBella Associates)

Project: Rush Landfill

Attention: Branson Fields  
Address: LaBella Associates  
4 British American Boulevard  
Latham, NY 12110

Initial Preservation Check: 02/01/2024 10:25 MMC

Phone: 518-266-7355      FAX:  
Email: BFields@labellapc.com

Preservation Recheck (E200.8): N/A

Sample ID	Bottle / Preservation	pH (Orig)	Add ml	pH (New)	Notes
S58252.01	125mL Amber H2SO4	<2			
S58252.01	125mL Plastic HNO3	<2			
S58252.01	125mL Plastic NaOH	>12			



2680 East Lansing Dr., East Lansing, MI 48823  
 Phone (517) 332-0167 Fax (517) 332-4034  
 www.meritlabs.com

C.O.C. PAGE # 1 OF 1 159100

**REPORT TO**

**CHAIN OF CUSTODY RECORD**

**INVOICE TO**

CONTACT NAME Dranson Fields  
 COMPANY LaBella Associates  
 ADDRESS 4 British American Boulevard  
 CITY Latham STATE NY ZIP CODE 12110  
 PHONE NO. 720-626-6362 CELL NO. \_\_\_\_\_ P.O. NO. \_\_\_\_\_  
 E-MAIL ADDRESS drfields@labella.com QUOTE NO. \_\_\_\_\_

CONTACT NAME SAME  
 COMPANY \_\_\_\_\_  
 ADDRESS \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP CODE \_\_\_\_\_  
 PHONE NO. \_\_\_\_\_ E-MAIL ADDRESS \_\_\_\_\_

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

PROJECT NO./NAME High Landfill SAMPLER(S) - PLEASE PRINT/SIGN NAME \_\_\_\_\_  
 TURNAROUND TIME REQUIRED  1 DAY  2 DAYS  3 DAYS  STANDARD  OTHER \_\_\_\_\_  
 DELIVERABLES REQUIRED  STD  LEVEL II  LEVEL III  LEVEL IV  EDD  OTHER \_\_\_\_\_

MATRIX W=WATER GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID  
 CODE: SL=SLUDGE DW=DRINKING WATER O=OIL WP=WIPE A=AIR WS=WASTE

# Containers & Preservatives

MERIT LAB NO. <small>FOR LAB USE ONLY</small>	COLLECTION		SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives							Metals*	Cyanide	PbNOIS	VOCs	SVOCs	Certifications		Project Locations		Special Instructions		
	DATE	TIME				NONE	HCl	HNO <sub>3</sub>	H <sub>2</sub> SO <sub>4</sub>	NaOH	MeOH	OTHER						<input type="checkbox"/> OHIO VAP	<input type="checkbox"/> Drinking Water	<input type="checkbox"/> DoD	<input type="checkbox"/> NPDES		<input type="checkbox"/> Detroit	<input type="checkbox"/> New York
58252.01	1/31/24	14:45	MH-6	ww	8	2	3	1	1	1			X	X	X	X	X			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	X Metals = Ag, Cd, Cr, Cu, Pb, Ni, Zn
																								PH (field test) 1-30-24 = 6.76 1-31-24 = 6.83

RELINQUISHED BY: Michael D'Amico  Sampler DATE 1/31/24 TIME 15:30  
 SIGNATURE/ORGANIZATION [Signature] / LaBella Associates  
 RECEIVED BY: \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_  
 SIGNATURE/ORGANIZATION \_\_\_\_\_  
 RELINQUISHED BY: \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_  
 SIGNATURE/ORGANIZATION \_\_\_\_\_  
 RECEIVED BY: \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_  
 SIGNATURE/ORGANIZATION \_\_\_\_\_

RELINQUISHED BY: \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_  
 SIGNATURE/ORGANIZATION FedEx  
 RECEIVED BY: M Chilcote DATE 2-1-24 TIME 09:30  
 SIGNATURE/ORGANIZATION \_\_\_\_\_  
 SEAL NO. \_\_\_\_\_ SEAL INTACT YES  NO  INITIALS \_\_\_\_\_  
 SEAL NO. \_\_\_\_\_ SEAL INTACT YES  NO  INITIALS \_\_\_\_\_  
 NOTES: \_\_\_\_\_ TEMP. ON ARRIVAL 3.0

PLEASE NOTE: SIGNING ACKNOWLEDGES ADHERENCE TO MERIT'S SAMPLE ACCEPTANCE POLICY ON REVERSE SIDE



# Quality Control Report

Report ID: QC-S58252-01  
Generated on 02/13/2024

Report to

Attention: Branson Fields  
LaBella Associates  
4 British American Boulevard  
Latham, NY 12110

Phone: 518-266-7355 FAX:

Report Produced by

Merit Laboratories  
2680 East Lansing Drive  
East Lansing, MI 48823

Phone: (517) 332-0167 FAX: (517) 332-6333

Report Summary

Lab Sample ID(s): S58252.01  
Project: Rush Landfill  
Submitted Date/Time: 02/01/2024 09:30  
Sampled by: Michael Delaney  
P.O. #:

QC Report Sections

- Cover Page (Page 1)
- Analysis Summary (Page 2)
- Prep Batch Summary (Page 3)
- Surrogates per Lab Sample (Page 4)
- Surrogates per QC Sample (Pages 5-6)
- Batch QC Results (Pages 7-17)

Report Flag Descriptions

- \*: QC result is outside of indicated control limits
- W: Surrogate result not applicable due to sample dilution

I certify that this data package is in compliance with the terms and conditions of the program, and project, and contractual requirements both technically and for completeness. Release of the data contained in this hardcopy data package and its computer-readable data submitted has been authorized by the Quality Assurance Manager and his/her designee, as verified by the following signature.

Barbara Ball  
Quality Assurance Manager

## QC Report - Analysis Summary

**Lab Sample ID: S58252.01**

Sample Tag: MH-6

Collected Date/Time: 01/31/2024 14:45

Matrix: Wastewater

COC Reference: 159100

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
<b>Inorganics</b>						
Cyanide, Total	E335.4/SM4500-CN02/06/24	08:16	CN240206-W1	CN240206-W1	No	BLK/LCS/MS/MSD/DU
Phenols	E420.1	02/11/24 21:02	PHL240211W1	PHL240211W1	No	BLK/LCS/MS/DUP
<b>Metals</b>						
Cadmium	E200.8	02/05/24 14:43	MT4-24-0205A	MTD-020524-5	No	BLK/LCS/MS/MSD
Chromium	E200.8	02/05/24 14:43	MT4-24-0205A	MTD-020524-5	No	BLK/LCS/MS/MSD
Copper	E200.8	02/05/24 14:43	MT4-24-0205A	MTD-020524-5	No	BLK/LCS/MS/MSD
Lead	E200.8	02/05/24 14:43	MT4-24-0205A	MTD-020524-5	No	BLK/LCS/MS/MSD
Nickel	E200.8	02/05/24 14:43	MT4-24-0205A	MTD-020524-5	No	BLK/LCS/MS/MSD
Silver	E200.8	02/05/24 14:43	MT4-24-0205A	MTD-020524-5	No	BLK/LCS/MS/MSD
Zinc	E200.8	02/05/24 14:43	MT4-24-0205A	MTD-020524-5	No	BLK/LCS/MS/MSD
<b>Organics - Semi-Volatiles</b>						
SVOCs, TTO List	E625.1	02/08/24 17:13	P240208	SF240206W2	Yes	BLK/LCS/LCSD
<b>Organics - Volatiles</b>						
VOCs, TTO List	E624.1	02/06/24 20:44	240206A9	VF240206W1	Yes	BLK/LCS/LCSD

# QC Report - Prep Batch Summary

## Inorganics, Prep Batch ID: CN240206-W1

Surrogates: No, QC Types: BLK/LCS/MS/MSD/DUP

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S58252.01	Cyanide, Total	E335.4/SM4500-CN02/06/24 08:16	02/06/24 08:16	CN240206-W1

## Inorganics, Prep Batch ID: PHL240211W1

Surrogates: No, QC Types: BLK/LCS/MS/DUP

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S58252.01	Phenols	E420.1	02/11/24 21:02	PHL240211W1

## Metals, Prep Batch ID: MTD-020524-5

Surrogates: No, QC Types: BLK/LCS/MS/MSD

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S58252.01	Cadmium	E200.8	02/05/24 14:43	MT4-24-0205A
S58252.01	Chromium	E200.8	02/05/24 14:43	MT4-24-0205A
S58252.01	Copper	E200.8	02/05/24 14:43	MT4-24-0205A
S58252.01	Lead	E200.8	02/05/24 14:43	MT4-24-0205A
S58252.01	Nickel	E200.8	02/05/24 14:43	MT4-24-0205A
S58252.01	Silver	E200.8	02/05/24 14:43	MT4-24-0205A
S58252.01	Zinc	E200.8	02/05/24 14:43	MT4-24-0205A

## Organics - Semi-Volatiles, Prep Batch ID: SF240206W2

Surrogates: Yes, QC Types: BLK/LCS/LCSD

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S58252.01	SVOCs, TTO List	E625.1	02/08/24 17:13	P240208

## Organics - Volatiles, Prep Batch ID: VF240206W1

Surrogates: Yes, QC Types: BLK/LCS/LCSD

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S58252.01	VOCs, TTO List	E624.1	02/06/24 20:44	240206A9

# QC Report - Surrogates per Lab Sample

Lab Sample ID: S58252.01

Sample Tag: MH-6

Collected Date/Time: 01/31/2024 14:45

Matrix: Wastewater

COC Reference: 159100

## Organics - Semi-Volatiles, Analysis: SVOCs, TTO List

Run in Batch: P240208, Run Date: 02/08/2024 17:13, Matrix: WW, Dilution: 10

Surrogate	Flags	%Rec	LCL	UCL
2-Fluorophenol		13.8	10.0	110.0
Phenol-D5		13.8	10.0	110.0
Nitrobenzene-D5		40.3	10.0	114.0
2-Fluorobiphenyl		48.5	10.0	116.0
2,4,6-Tribromophenol		30.7	10.0	123.0
Terphenyl-D14		49.5	10.0	141.0

## Organics - Volatiles, Analysis: VOCs, TTO List

Run in Batch: 240206A9, Run Date: 02/06/2024 20:44, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		100.6	80.0	124.0
1,2-Dichloroethane-D4		98.0	72.0	125.0
Toluene-D8		99.6	89.0	112.0

# QC Report - Surrogates per QC Sample

## Organics - Semi-Volatiles, Prep Batch ID: SF240206W2

QC Types: BLK/LCS/LCSD

### Blank (BLK)

Lab Sample ID: P240208.BLKW06B

Run in Batch: P240208, Run Date: 02/08/2024 15:39, Prep Date: 02/06/2024, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
2-Fluorophenol		28.0	10.0	110.0
Phenol-D5		20.2	10.0	110.0
Nitrobenzene-D5		54.7	10.0	114.0
2-Fluorobiphenyl		61.4	10.0	116.0
2,4,6-Tribromophenol		61.0	10.0	123.0
Terphenyl-D14		65.4	10.0	141.0

### Blank (BLK)

Lab Sample ID: U240208.BLKW06B

Run in Batch: U240208, Run Date: 02/08/2024 14:03, Prep Date: 02/06/2024, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
-----------	-------	------	-----	-----

No Surrogates

### Laboratory Control Sample (LCS)

Lab Sample ID: P240208.LCSW06B

Run in Batch: P240208, Run Date: 02/08/2024 16:10, Prep Date: 02/06/2024, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
2-Fluorophenol		28.8	10.0	110.0
Phenol-D5		20.6	10.0	110.0
Nitrobenzene-D5		59.3	10.0	114.0
2-Fluorobiphenyl		64.9	10.0	116.0
2,4,6-Tribromophenol		68.9	10.0	123.0
Terphenyl-D14		72.2	10.0	141.0

### Laboratory Control Sample Duplicate (LCSD)

Lab Sample ID: P240208.LCSDW06B, Parent Sample ID: P240208.LCSW06B

Run in Batch: P240208, Run Date: 02/08/2024 16:41, Prep Date: 02/06/2024, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
2-Fluorophenol		29.4	10.0	110.0
Phenol-D5		21.1	10.0	110.0
Nitrobenzene-D5		58.9	10.0	114.0
2-Fluorobiphenyl		66.0	10.0	116.0
2,4,6-Tribromophenol		69.4	10.0	123.0
Terphenyl-D14		72.3	10.0	141.0

# QC Report - Surrogates per QC Sample

## Organics - Volatiles, Prep Batch ID: VF240206W1

QC Types: BLK/LCS/LCSD

### Blank (BLK)

Lab Sample ID: 240206A9.BLKW06A

Run in Batch: 240206A9, Run Date: 02/06/2024 13:57, Prep Date: 02/06/2024, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		98.8	80.0	124.0
1,2-Dichloroethane-D4		96.4	72.0	125.0
Toluene-D8		98.7	89.0	112.0

### Laboratory Control Sample (LCS)

Lab Sample ID: 240206A9.LCSW06A

Run in Batch: 240206A9, Run Date: 02/06/2024 12:21, Prep Date: 02/06/2024, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		99.7	80.0	124.0
1,2-Dichloroethane-D4		98.0	72.0	125.0
Toluene-D8		100.5	89.0	112.0

### Laboratory Control Sample Duplicate (LCSD)

Lab Sample ID: 240206A9.LCSDW06A, Parent Sample ID: 240206A9.LCSW06A

Run in Batch: 240206A9, Run Date: 02/06/2024 12:45, Prep Date: 02/06/2024, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
4-Bromofluorobenzene		101.5	80.0	124.0
1,2-Dichloroethane-D4		102.2	72.0	125.0
Toluene-D8		101.2	89.0	112.0



# QC Report - Batch QC Results

## Inorganics, Prep Batch ID: CN240206-W1

Surrogates: No, QC Types: BLK/LCS/MS/MSD/DUP

### Blank (BLK)

Lab Sample ID: CN240206-W1.LRB1

Run in Batch: CN240206-W1, Run Date: 02/06/2024 08:00, Prep Date: 02/06/2024, Matrix: Liquid, Dilution: 2

Analyte	Flags	Conc	RDL	Units
Cyanide, Total		ND	0.004	mg/L

### Laboratory Control Sample (LCS)

Lab Sample ID: CN240206-W1.LCS1

Run in Batch: CN240206-W1, Run Date: 02/06/2024 08:06, Prep Date: 02/06/2024, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Cyanide, Total		103	90	110

### Matrix Spike (MS)

Lab Sample ID: CN240206-W1.MS1, Parent Sample ID: S58391.01

Run in Batch: CN240206-W1, Run Date: 02/06/2024 08:12, Prep Date: 02/06/2024, Matrix: Liquid, Dilution: 2

Analyte	Flags	% Rec	LCL	UCL
Cyanide, Total		94	80	120

### Matrix Spike Duplicate (MSD)

Lab Sample ID: CN240206-W1.MSD1, Parent Sample ID: CN240206-W1.MS1

Run in Batch: CN240206-W1, Run Date: 02/06/2024 08:14, Prep Date: 02/06/2024, Matrix: Liquid, Dilution: 2

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Cyanide, Total		96	80	120	2	15

### Duplicate (DUP)

Lab Sample ID: CN240206-W1.DP1, Parent Sample ID: S58391.01

Run in Batch: CN240206-W1, Run Date: 02/06/2024 08:10, Prep Date: 02/06/2024, Matrix: Liquid, Dilution: 2

Analyte	Flags	RPD	RPD CL
Cyanide, Total		<1	15

# QC Report - Batch QC Results

## Inorganics, Prep Batch ID: PHL240211W1

Surrogates: No, QC Types: BLK/LCS/MS/DUP

### Blank (BLK)

Lab Sample ID: PHL240211W1.LRB1

Run in Batch: PHL240211W1, Run Date: 02/11/2024 20:35, Prep Date: 02/11/2024, Matrix: Liquid, Dilution: 1

Analyte	Flags	Conc	RDL	Units
Phenols		ND	0.02	mg/L

### Laboratory Control Sample (LCS)

Lab Sample ID: PHL240211W1.LCS1

Run in Batch: PHL240211W1, Run Date: 02/11/2024 20:43, Prep Date: 02/11/2024, Matrix: Liquid, Dilution: 1.67

Analyte	Flags	% Rec	LCL	UCL
Phenols		94	90	110

### Matrix Spike (MS)

Lab Sample ID: PHL240211W1.MS1, Parent Sample ID: S58018.01

Run in Batch: PHL240211W1, Run Date: 02/11/2024 20:48, Prep Date: 02/11/2024, Matrix: Liquid, Dilution: 1.67

Analyte	Flags	% Rec	LCL	UCL
Phenols	*	85	90	110

### Duplicate (DUP)

Lab Sample ID: PHL240211W1.DP1, Parent Sample ID: S58018.01

Run in Batch: PHL240211W1, Run Date: 02/11/2024 20:47, Prep Date: 02/11/2024, Matrix: Liquid, Dilution: 1.67

Analyte	Flags	RPD	RPD CL
Phenols		NC	15

## QC Report - Batch QC Results

### Metals, Prep Batch ID: MTD-020524-5

Surrogates: No, QC Types: BLK/LCS/MS/MSD

#### Blank (BLK)

Lab Sample ID: MT4-24-0205A.071.LRB

Run in Batch: MT4-24-0205A, Run Date: 02/05/2024 14:16, Prep Date: 02/05/2024, Matrix: Liquid, Dilution: 1

Analyte	Flags	Conc	RDL	Units
Cadmium		ND	0.0001	mg/L
Chromium		ND	0.001	mg/L
Copper		ND	0.001	mg/L
Lead		ND	0.0006	mg/L
Nickel		ND	0.001	mg/L
Silver		ND	0.0001	mg/L
Zinc		ND	0.001	mg/L

#### Laboratory Control Sample (LCS)

Lab Sample ID: MT4-24-0205A.070.LCS

Run in Batch: MT4-24-0205A, Run Date: 02/05/2024 14:15, Prep Date: 02/05/2024, Matrix: Liquid, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Cadmium		102	85	115
Chromium		100	85	115
Copper		103	85	115
Lead		102	85	115
Nickel		102	85	115
Silver		94	85	115
Zinc		103	85	115

#### Matrix Spike (MS)

Lab Sample ID: MT4-24-0205A.094.MS, Parent Sample ID: S58252.01

Run in Batch: MT4-24-0205A, Run Date: 02/05/2024 14:53, Prep Date: 02/05/2024, Matrix: Liquid, Dilution: 5

Analyte	Flags	% Rec	LCL	UCL
Cadmium		97	75	125
Chromium		98	75	125
Copper		99	75	125
Lead		98	75	125
Nickel		99	75	125
Silver		89	75	125
Zinc		100	75	125

#### Matrix Spike (MS)

Lab Sample ID: MT4-24-0205A.106.MS, Parent Sample ID: S58345.02

Run in Batch: MT4-24-0205A, Run Date: 02/05/2024 15:14, Prep Date: 02/05/2024, Matrix: Liquid, Dilution: 5

Analyte	Flags	% Rec	LCL	UCL
Cadmium		107	75	125
Chromium		103	75	125
Copper		103	75	125
Lead		101	75	125
Nickel		108	75	125
Silver		98	75	125
Zinc		111	75	125

# QC Report - Batch QC Results

## Metals, Prep Batch ID: MTD-020524-5 (continued)

Surrogates: No, QC Types: BLK/LCS/MS/MSD

### Matrix Spike Duplicate (MSD)

Lab Sample ID: MT4-24-0205A.095.MSD, Parent Sample ID: MT4-24-0205A.094.MS

Run in Batch: MT4-24-0205A, Run Date: 02/05/2024 14:54, Prep Date: 02/05/2024, Matrix: Liquid, Dilution: 5

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Cadmium		101	75	125	4	20
Chromium		99	75	125	0	20
Copper		95	75	125	3	20
Lead		96	75	125	2	20
Nickel		100	75	125	1	20
Silver		93	75	125	4	20
Zinc		102	75	125	2	20

### Matrix Spike Duplicate (MSD)

Lab Sample ID: MT4-24-0205A.107.MSD, Parent Sample ID: MT4-24-0205A.106.MS

Run in Batch: MT4-24-0205A, Run Date: 02/05/2024 15:16, Prep Date: 02/05/2024, Matrix: Liquid, Dilution: 5

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Cadmium		103	75	125	4	20
Chromium		101	75	125	2	20
Copper		100	75	125	3	20
Lead		102	75	125	0	20
Nickel		101	75	125	6	20
Silver		94	75	125	5	20
Zinc		105	75	125	3	20

# QC Report - Batch QC Results

**Organics - Semi-Volatiles, Prep Batch ID: SF240206W2**

Surrogates: Yes, QC Types: BLK/LCS/LCSD

**Blank (BLK)**

Lab Sample ID: P240208.BLKW06B

Run in Batch: P240208, Run Date: 02/08/2024 15:39, Prep Date: 02/06/2024, Matrix: WW, Dilution: 1

Analyte	Flags	Conc	RDL	Units
Acenaphthene		ND	0.50	ug/l
Acenaphthylene		ND	0.50	ug/l
Anthracene		ND	0.50	ug/l
Benzidine		ND	0.50	ug/l
Benzo(a)anthracene		ND	0.50	ug/l
Benzo(b)fluoranthene		ND	0.50	ug/l
Benzo(k)fluoranthene		ND	0.50	ug/l
Benzo(ghi)perylene		ND	0.50	ug/l
Benzo(a)pyrene		ND	0.50	ug/l
bis(2-Chloroethoxy)methane		ND	0.50	ug/l
bis(2-Chloroethyl)ether		ND	0.50	ug/l
bis(2-Chloroisopropyl)ether		ND	0.50	ug/l
bis(2-Ethylhexyl)phthalate		ND	0.50	ug/l
4-Bromophenyl phenyl ether		ND	0.50	ug/l
Butyl benzyl phthalate		ND	0.50	ug/l
2-Chloronaphthalene		ND	0.50	ug/l
4-Chloro-3-methylphenol		ND	0.50	ug/l
2-Chlorophenol		ND	0.50	ug/l
4-Chlorophenyl phenyl ether		ND	0.50	ug/l
Chrysene		ND	0.50	ug/l
Dibenzo(ah)anthracene		ND	0.50	ug/l
di-n-Butyl phthalate	*	0.79	0.50	ug/l
3,3'-Dichlorobenzidine		ND	0.50	ug/l
2,4-Dichlorophenol		ND	0.50	ug/l
Diethyl phthalate		ND	0.50	ug/l
Dimethyl phthalate		ND	0.50	ug/l
2,4-Dimethylphenol		ND	0.50	ug/l
2,4-Dinitrophenol		ND	0.50	ug/l
2,4-Dinitrotoluene		ND	0.50	ug/l
2,6-Dinitrotoluene		ND	0.50	ug/l
di-n-Octyl phthalate		ND	0.50	ug/l
1,2-Diphenylhydrazine		ND	0.50	ug/l
Fluoranthene		ND	0.50	ug/l
Fluorene		ND	0.50	ug/l
Hexachlorobenzene		ND	0.50	ug/l
Hexachlorobutadiene		ND	0.50	ug/l
Hexachlorocyclopentadiene		ND	0.50	ug/l
Hexachloroethane		ND	0.50	ug/l
Indeno(1,2,3-cd)pyrene		ND	0.50	ug/l
Isophorone		ND	0.50	ug/l
Naphthalene		ND	0.50	ug/l
Nitrobenzene		ND	0.50	ug/l
2-Nitrophenol		ND	0.50	ug/l
4-Nitrophenol		ND	0.50	ug/l
N-Nitrosodimethylamine		ND	0.50	ug/l
N-Nitrosodiphenylamine		ND	0.50	ug/l

**QC Report - Batch QC Results**

**Organics - Semi-Volatiles, Prep Batch ID: SF240206W2 (continued)**

Surrogates: Yes, QC Types: BLK/LCS/LCSD

**Blank (BLK) (continued)**

Lab Sample ID: P240208.BLKW06B

Run in Batch: P240208, Run Date: 02/08/2024 15:39, Prep Date: 02/06/2024, Matrix: WW, Dilution: 1

Analyte	Flags	Conc	RDL	Units
N-Nitrosodi-n-propylamine		ND	0.50	ug/l
Pentachlorophenol		ND	0.50	ug/l
4,6-Dinitro-2-methylphenol		ND	0.50	ug/l
Phenol		ND	0.50	ug/l
Pyrene		ND	0.50	ug/l
1,2,4-Trichlorobenzene		ND	0.50	ug/l
2,4,6-Trichlorophenol		ND	0.50	ug/l
Phenanthrene		ND	0.50	ug/l
2,3,7,8-TCDD (Dioxin Screen)		ND	0.50	ug/l

**Blank (BLK)**

Lab Sample ID: U240208.BLKW06B

Run in Batch: U240208, Run Date: 02/08/2024 14:03, Prep Date: 02/06/2024, Matrix: WW, Dilution: 1

Analyte	Flags	Conc	RDL	Units
Benzidine		ND	0.01	ug/l
Benzo(a)pyrene		ND	0.01	ug/l
Hexachlorobenzene	*	0.01	0.01	ug/l
Hexachlorobutadiene	*	0.01	0.01	ug/l
Hexachlorocyclopentadiene	*	0.02	0.01	ug/l

**Laboratory Control Sample (LCS)**

Lab Sample ID: P240208.LCSW06B

Run in Batch: P240208, Run Date: 02/08/2024 16:10, Prep Date: 02/06/2024, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Acenaphthene		60.9	27	111
Acenaphthylene		60.9	16	116
Anthracene		63.9	31	119
Benzidine		25.6	7	65
Benzo(a)anthracene		63.5	35	119
Benzo(b)fluoranthene		64.6	27	129
Benzo(k)fluoranthene		63.7	36	120
Benzo(ghi)perylene		61.6	31	126
Benzo(a)pyrene		63.9	32	121
bis(2-Chloroethoxy)methane		56.2	23	106
bis(2-Chloroethyl)ether		52.7	29	94
bis(2-Chloroisopropyl)ether		41.6	23	91
bis(2-Ethylhexyl)phthalate		54.7	35	121
4-Bromophenyl phenyl ether		67.9	27	122
Butyl benzyl phthalate		60.1	36	117
2-Chloronaphthalene		60.7	21	109
4-Chloro-3-methylphenol		53.4	36	105
2-Chlorophenol		49.0	24	94
4-Chlorophenyl phenyl ether		62.9	31	114
Chrysene		69.0	34	119
Dibenzo(ah)anthracene		62.4	32	119
di-n-Butyl phthalate		55.2	34	121

## QC Report - Batch QC Results

### Organics - Semi-Volatiles, Prep Batch ID: SF240206W2 (continued)

Surrogates: Yes, QC Types: BLK/LCS/LCSD

### Laboratory Control Sample (LCS) (continued)

Lab Sample ID: P240208.LCSW06B

Run in Batch: P240208, Run Date: 02/08/2024 16:10, Prep Date: 02/06/2024, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
3,3'-Dichlorobenzidine		58.5	27	110
2,4-Dichlorophenol		58.3	33	106
Diethyl phthalate		59.6	36	116
Dimethyl phthalate		60.4	35	116
2,4-Dimethylphenol		52.8	30	105
2,4-Dinitrophenol		55.1	10	125
2,4-Dinitrotoluene		65.0	33	119
2,6-Dinitrotoluene		62.7	34	117
di-n-Octyl phthalate		60.7	30	133
1,2-Diphenylhydrazine		66.9	34	113
Fluoranthene		66.1	35	121
Fluorene		62.7	32	114
Hexachlorobenzene		69.1	26	126
Hexachlorobutadiene		55.0	10	95
Hexachlorocyclopentadiene		60.4	10	90
Hexachloroethane		43.0	10	82
Indeno(1,2,3-cd)pyrene		60.8	31	124
Isophorone		57.0	26	104
Naphthalene		56.5	21	99
Nitrobenzene		56.3	30	98
2-Nitrophenol		66.4	31	108
4-Nitrophenol		28.0	10	90
N-Nitrosodimethylamine		21.5	11	75
N-Nitrosodiphenylamine		65.7	31	120
N-Nitrosodi-n-propylamine		52.5	33	102
Pentachlorophenol		61.2	10	108
4,6-Dinitro-2-methylphenol		62.5	19	116
Phenol		20.8	10	43
Pyrene		60.1	33	120
1,2,4-Trichlorobenzene		56.9	10	98
2,4,6-Trichlorophenol		65.9	31	114
Phenanthrene		64.1	35	113

### Laboratory Control Sample Duplicate (LCSD)

Lab Sample ID: P240208.LCSDW06B, Parent Sample ID: P240208.LCSW06B

Run in Batch: P240208, Run Date: 02/08/2024 16:41, Prep Date: 02/06/2024, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Acenaphthene		63.6	27	111	4.3	30.0
Acenaphthylene		62.5	16	116	2.6	30.0
Anthracene		65.8	31	119	2.8	30.0
Benzidine		28.1	7	65	9.2	30.0
Benzo(a)anthracene		65.6	35	119	3.3	30.0
Benzo(b)fluoranthene		63.1	27	129	2.5	30.0
Benzo(k)fluoranthene		68.8	36	120	7.7	30.0
Benzo(ghi)perylene		64.2	31	126	4.3	30.0
Benzo(a)pyrene		67.0	32	121	4.7	30.0

**QC Report - Batch QC Results**

**Organics - Semi-Volatiles, Prep Batch ID: SF240206W2 (continued)**

Surrogates: Yes, QC Types: BLK/LCS/LCSD

**Laboratory Control Sample Duplicate (LCSD) (continued)**

Lab Sample ID: P240208.LCSDW06B, Parent Sample ID: P240208.LCSW06B

Run in Batch: P240208, Run Date: 02/08/2024 16:41, Prep Date: 02/06/2024, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
bis(2-Chloroethoxy)methane		57.0	23	106	1.4	30.0
bis(2-Chloroethyl)ether		53.5	29	94	1.5	30.0
bis(2-Chloroisopropyl)ether		42.3	23	91	1.7	30.0
bis(2-Ethylhexyl)phthalate		56.1	35	121	2.4	30.0
4-Bromophenyl phenyl ether		70.6	27	122	3.8	30.0
Butyl benzyl phthalate		61.1	36	117	1.6	30.0
2-Chloronaphthalene		63.0	21	109	3.8	30.0
4-Chloro-3-methylphenol		53.9	36	105	0.8	30.0
2-Chlorophenol		50.4	24	94	2.9	30.0
4-Chlorophenyl phenyl ether		66.0	31	114	4.7	30.0
Chrysene		70.4	34	119	2.0	30.0
Dibenzo(ah)anthracene		63.9	32	119	2.5	30.0
di-n-Butyl phthalate		57.3	34	121	3.6	30.0
3,3'-Dichlorobenzidine		60.9	27	110	4.0	30.0
2,4-Dichlorophenol		58.7	33	106	0.6	30.0
Diethyl phthalate		61.2	36	116	2.7	30.0
Dimethyl phthalate		62.7	35	116	3.8	30.0
2,4-Dimethylphenol		53.6	30	105	1.7	30.0
2,4-Dinitrophenol		56.3	10	125	2.2	30.0
2,4-Dinitrotoluene		66.9	33	119	2.9	30.0
2,6-Dinitrotoluene		65.7	34	117	4.6	30.0
di-n-Octyl phthalate		61.2	30	133	0.8	30.0
1,2-Diphenylhydrazine		67.3	34	113	0.7	30.0
Fluoranthene		67.1	35	121	1.6	30.0
Fluorene		64.3	32	114	2.5	30.0
Hexachlorobenzene		71.2	26	126	3.1	30.0
Hexachlorobutadiene		54.3	10	95	1.3	30.0
Hexachlorocyclopentadiene		61.6	10	90	2.0	30.0
Hexachloroethane		42.2	10	82	1.7	30.0
Indeno(1,2,3-cd)pyrene		63.5	31	124	4.5	30.0
Isophorone		56.9	26	104	0.2	30.0
Naphthalene		56.5	21	99	0.0	30.0
Nitrobenzene		56.8	30	98	1.0	30.0
2-Nitrophenol		68.1	31	108	2.5	30.0
4-Nitrophenol		29.7	10	90	6.0	30.0
N-Nitrosodimethylamine		22.2	11	75	2.9	30.0
N-Nitrosodiphenylamine		67.3	31	120	2.3	30.0
N-Nitrosodi-n-propylamine		53.4	33	102	1.9	30.0
Pentachlorophenol		61.1	10	108	0.2	30.0
4,6-Dinitro-2-methylphenol		62.9	19	116	0.7	30.0
Phenol		21.5	10	43	3.1	30.0
Pyrene		63.0	33	120	4.7	30.0
1,2,4-Trichlorobenzene		57.0	10	98	0.1	30.0
2,4,6-Trichlorophenol		67.5	31	114	2.4	30.0
Phenanthrene		66.3	35	113	3.3	30.0



**QC Report - Batch QC Results**

**Organics - Volatiles, Prep Batch ID: VF240206W1**

Surrogates: Yes, QC Types: BLK/LCS/LCSD

**Blank (BLK)**

Lab Sample ID: 240206A9.BLKW06A

Run in Batch: 240206A9, Run Date: 02/06/2024 13:57, Prep Date: 02/06/2024, Matrix: WW, Dilution: 1

Analyte	Flags	Conc	RDL	Units
Acrylonitrile		ND	1.00	ug/l
Chloromethane		ND	1.00	ug/l
Vinyl chloride		ND	1.00	ug/l
Bromomethane		ND	1.00	ug/l
Chloroethane		ND	1.00	ug/l
Acrolein		ND	10.00	ug/l
Trichlorofluoromethane		ND	1.00	ug/l
1,1-Dichloroethene		ND	1.00	ug/l
Methylene chloride		ND	1.00	ug/l
trans-1,2-Dichloroethene		ND	1.00	ug/l
1,1-Dichloroethane		ND	1.00	ug/l
Chloroform		ND	1.00	ug/l
1,1,1-Trichloroethane		ND	1.00	ug/l
2-Chloroethylvinyl ether		ND	1.00	ug/l
Carbon tetrachloride		ND	1.00	ug/l
Benzene		ND	1.00	ug/l
1,2-Dichloroethane		ND	1.00	ug/l
Trichloroethene		ND	1.00	ug/l
1,2-Dichloropropane		ND	1.00	ug/l
Bromodichloromethane		ND	1.00	ug/l
cis-1,3-Dichloropropene		ND	1.00	ug/l
Toluene		ND	1.00	ug/l
trans-1,3-Dichloropropene		ND	1.00	ug/l
1,1,2-Trichloroethane		ND	1.00	ug/l
Tetrachloroethene		ND	1.00	ug/l
Dibromochloromethane		ND	1.00	ug/l
Chlorobenzene		ND	1.00	ug/l
Ethylbenzene		ND	1.00	ug/l
Bromoform		ND	1.00	ug/l
1,1,2,2-Tetrachloroethane		ND	1.00	ug/l
1,3-Dichlorobenzene		ND	1.00	ug/l
1,4-Dichlorobenzene		ND	1.00	ug/l
1,2-Dichlorobenzene		ND	1.00	ug/l

**Laboratory Control Sample (LCS)**

Lab Sample ID: 240206A9.LCSW06A

Run in Batch: 240206A9, Run Date: 02/06/2024 12:21, Prep Date: 02/06/2024, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Acrylonitrile		103.9	69.9	128.9
Chloromethane		101.4	23.8	166.5
Vinyl chloride		102.4	43.5	149.1
Bromomethane		104.4	56.8	151.3
Chloroethane		104.3	53.4	149.4
Acrolein		115.6	70.0	130.0
Trichlorofluoromethane		105.1	59.7	151.8
1,1-Dichloroethene		101.9	69.6	139.4

**QC Report - Batch QC Results**

**Organics - Volatiles, Prep Batch ID: VF240206W1 (continued)**

Surrogates: Yes, QC Types: BLK/LCS/LCSD

**Laboratory Control Sample (LCS) (continued)**

Lab Sample ID: 240206A9.LCSW06A

Run in Batch: 240206A9, Run Date: 02/06/2024 12:21, Prep Date: 02/06/2024, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
Methylene chloride		102.4	73.3	121.1
trans-1,2-Dichloroethene		102.2	73.6	129.3
1,1-Dichloroethane		102.6	71.5	126.2
Chloroform		101.6	78.4	124.0
1,1,1-Trichloroethane		103.9	79.4	130.9
2-Chloroethylvinyl ether		100.3	70.0	130.0
Carbon tetrachloride		104.5	72.6	133.0
Benzene		102.5	79.9	124.9
1,2-Dichloroethane		102.0	76.0	126.3
Trichloroethene		102.9	79.7	124.2
1,2-Dichloropropane		101.8	78.6	126.4
Bromodichloromethane		103.8	80.4	128.2
cis-1,3-Dichloropropene		104.3	79.8	129.9
Toluene		104.0	79.8	124.5
trans-1,3-Dichloropropene		104.8	74.0	131.3
1,1,2-Trichloroethane		101.2	78.7	123.1
Tetrachloroethene		104.2	74.5	124.5
Dibromochloromethane		104.9	74.6	127.2
Chlorobenzene		104.2	79.2	122.7
Ethylbenzene		104.6	79.5	129.1
Bromoform		104.6	69.4	128.0
1,1,2,2-Tetrachloroethane		102.5	79.8	126.3
1,3-Dichlorobenzene		107.2	77.0	131.3
1,4-Dichlorobenzene		107.1	20.7	137.7
1,2-Dichlorobenzene		107.3	10.0	166.2

**Laboratory Control Sample Duplicate (LCSD)**

Lab Sample ID: 240206A9.LCSDW06A, Parent Sample ID: 240206A9.LCSW06A

Run in Batch: 240206A9, Run Date: 02/06/2024 12:45, Prep Date: 02/06/2024, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
Acrylonitrile		102.4	69.9	128.9	1.5	30.0
Chloromethane		96.6	23.8	166.5	4.9	30.0
Vinyl chloride		96.1	43.5	149.1	6.3	30.0
Bromomethane		100.6	56.8	151.3	3.7	30.0
Chloroethane		98.2	53.4	149.4	6.0	30.0
Acrolein		112.8	70.0	130.0	2.5	30.0
Trichlorofluoromethane		98.5	59.7	151.8	6.5	30.0
1,1-Dichloroethene		96.3	69.6	139.4	5.7	30.0
Methylene chloride		100.7	73.3	121.1	1.6	30.0
trans-1,2-Dichloroethene		97.6	73.6	129.3	4.6	30.0
1,1-Dichloroethane		99.3	71.5	126.2	3.3	30.0
Chloroform		100.1	78.4	124.0	1.5	30.0
1,1,1-Trichloroethane		98.1	79.4	130.9	5.8	30.0
2-Chloroethylvinyl ether		99.8	70.0	130.0	0.5	30.0
Carbon tetrachloride		98.3	72.6	133.0	6.2	30.0
Benzene		98.5	79.9	124.9	4.1	30.0

# QC Report - Batch QC Results

## Organics - Volatiles, Prep Batch ID: VF240206W1 (continued)

Surrogates: Yes, QC Types: BLK/LCS/LCSD

## Laboratory Control Sample Duplicate (LCSD) (continued)

Lab Sample ID: 240206A9.LCSDW06A, Parent Sample ID: 240206A9.LCSW06A

Run in Batch: 240206A9, Run Date: 02/06/2024 12:45, Prep Date: 02/06/2024, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
1,2-Dichloroethane		101.4	76.0	126.3	0.6	30.0
Trichloroethene		97.6	79.7	124.2	5.2	30.0
1,2-Dichloropropane		100.5	78.6	126.4	1.2	30.0
Bromodichloromethane		103.6	80.4	128.2	0.2	30.0
cis-1,3-Dichloropropene		104.2	79.8	129.9	0.1	30.0
Toluene		99.7	79.8	124.5	4.2	30.0
trans-1,3-Dichloropropene		104.8	74.0	131.3	0.0	30.0
1,1,2-Trichloroethane		103.1	78.7	123.1	1.9	30.0
Tetrachloroethene		97.0	74.5	124.5	7.2	30.0
Dibromochloromethane		105.4	74.6	127.2	0.5	30.0
Chlorobenzene		100.6	79.2	122.7	3.5	30.0
Ethylbenzene		98.5	79.5	129.1	6.1	30.0
Bromoform		105.8	69.4	128.0	1.2	30.0
1,1,2,2-Tetrachloroethane		103.1	79.8	126.3	0.6	30.0
1,3-Dichlorobenzene		102.1	77.0	131.3	4.9	30.0
1,4-Dichlorobenzene		102.2	20.7	137.7	4.7	30.0
1,2-Dichlorobenzene		102.2	10.0	166.2	4.9	30.0



2680 East Lansing Dr., East Lansing, MI 48823  
 Phone (517) 332-0167 Fax (517) 332-4034  
 www.meritlabs.com

C.O.C. PAGE # 1 OF 1 159100

**REPORT TO**

**CHAIN OF CUSTODY RECORD**

**INVOICE TO**

CONTACT NAME: **Dranson Fields**  
 COMPANY: **LaBella Associates**  
 ADDRESS: **4 British American Boulevard**  
 CITY: **Latham** STATE: **NY** ZIP CODE: **12110**  
 PHONE NO.: **720-626-6362** CELL NO.: \_\_\_\_\_ P.O. NO.: \_\_\_\_\_  
 E-MAIL ADDRESS: **dr.flds@labella.com** QUOTE NO.: \_\_\_\_\_

CONTACT NAME:  SAME  
 COMPANY: \_\_\_\_\_  
 ADDRESS: \_\_\_\_\_  
 CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIP CODE: \_\_\_\_\_  
 PHONE NO.: \_\_\_\_\_ E-MAIL ADDRESS: \_\_\_\_\_

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

PROJECT NO./NAME: **Lugh Landfill** SAMPLER(S) - PLEASE PRINT/SIGN NAME: \_\_\_\_\_  
 TURNAROUND TIME REQUIRED  1 DAY  2 DAYS  3 DAYS  STANDARD  OTHER \_\_\_\_\_  
 DELIVERABLES REQUIRED  STD  LEVEL II  LEVEL III  LEVEL IV  EDD  OTHER \_\_\_\_\_

Certifications  
 OHIO VAP  Drinking Water  
 DoD  NPDES  
 Project Locations  
 Detroit  New York  
 Other \_\_\_\_\_  
 Special Instructions

MATRIX W=WATER GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID  
 CODE: SL=SLUDGE DW=DRINKING WATER O=OIL WP=WIPE A=AIR WS=WASTE

# Containers & Preservatives

MERIT LAB NO. <small>FOR LAB USE ONLY</small>	COLLECTION		SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives										Special Instructions										
	DATE	TIME				NONE	HCl	HNO <sub>3</sub>	H <sub>2</sub> SO <sub>4</sub>	NaOH	MeOH	OTHER	metals*	Cyanide	PHENOLS		VOCs	SUOCs								
58252.01	1/31/24	14:45	MH-6	ww	8	2	3	1	1	1									X	X	X	X	X		*metals = Ag, Cd, Cr, Cu, Pb, Ni, Zn	
																									PH (field test) 1-30-24 = 6.76 1-31-24 = 6.83	

RELINQUISHED BY: **Michael Dhanraj**  Sampler DATE: **1/31/24** TIME: **15:30**  
 SIGNATURE/ORGANIZATION: **LaBella Associates**  
 RECEIVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_ TIME: \_\_\_\_\_  
 SIGNATURE/ORGANIZATION: \_\_\_\_\_  
 RELINQUISHED BY: \_\_\_\_\_ DATE: \_\_\_\_\_ TIME: \_\_\_\_\_  
 SIGNATURE/ORGANIZATION: \_\_\_\_\_  
 RECEIVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_ TIME: \_\_\_\_\_  
 SIGNATURE/ORGANIZATION: \_\_\_\_\_

RELINQUISHED BY: **FedEx** DATE: **2-1-24** TIME: **09:30**  
 SIGNATURE/ORGANIZATION: \_\_\_\_\_  
 RECEIVED BY: **M Chilcote** DATE: **2/1/24** TIME: **09:30**  
 SIGNATURE/ORGANIZATION: \_\_\_\_\_  
 SEAL NO.: \_\_\_\_\_ SEAL INTACT: YES  NO  INITIALS: \_\_\_\_\_ NOTES: \_\_\_\_\_ TEMP. ON ARRIVAL: \_\_\_\_\_  
 SEAL NO.: \_\_\_\_\_ SEAL INTACT: YES  NO  INITIALS: \_\_\_\_\_  
 3.0