NPDES Pretreatment Compliance Sampling Inspection Report

Alta Metal Finishing, Inc.

126 Oakley Ave.
White Plains, New York 10601

40 CFR Part 403
Wastewater Discharge Permit # 4399

Inspection Dates: 8/02/24 & 9/18/24

Report Prepared by:

THUAN TRAN
Digitally signed by THUAN TRAN
Date: 2024.11.04 14:56:02 -05'00'

Thuan Tran, Physical Scientist

Report Approved by:

PHILIP COCUZZA
Digitally signed by PHILIP COCUZZA
Date: 2024.11.06 13:09:29 -05'00'

Phil Cocuzza, Supervisor
Monitoring Operations Section

1.0 OBJECTIVE

On August 02 and September 18, 2024, at the request of the New York State Department of Environmental Conservation (NYSDEC), the United States Environmental Protection Agency (USEPA) conducted a Pretreatment Compliance Sampling Inspection (CSI) at Alta Metal Finishing, Inc. The objective of the Pretreatment CSI was to gather information necessary to determine if the facility is in compliance with the conditions, requirements and limitations of the Federal General Pretreatment Regulations for Existing and New Sources of Pollution in 40 CFR Part 403, Alta Metal Finishing, Inc. Wastewater Discharge Permit # 4399 and other related Federal regulations. Alta Metal Finishing, Inc. Wastewater Discharge Permit # 4399 was issued by the Westchester County Department of Environmental Facilities. The permit became effective on January 01, 2023, and will expire on December 31, 2024.

2.0 KEY PARTICIPANTS

Listed below are key inspection participants and contact information, grouped by organization.

U.S. Environmental Protection Agency
Thuan Tran, Lead Inspector
732-321-4455, email: tran.thuan@epa.gov
Molly Hillenbrand, Environmental Scientist

Alta Metal Finishing, Inc.
Andres Enriquez, Owner/Operator
914-906-6775, email: altametalfinishing@gmail.com
Ken Strati, Previous Owner

Westchester County Department of Environmental Facilities
Monika Wieleba, Industrial Pretreatment Program (IPP) Coordinator
914-813-5720 (x-5715), email: mews@westchestercountyny.gov

3.0 FACILITY DESCRIPTION

3.1 General Information:

Alta Metal Finishing, Inc. was founded in White Plains, New York (NY) in 1980 by Kenneth Strati. The small operating company is now owned and operated by Andres Enriquez. Alta Metal Finishing, Inc. performs vibratory deburring and barrel tumbling, soften edges and mechanically brighten & polish bare metal parts (ex. steel & aluminum). Metals that can be tumble are stainless steel, aluminium, titanium, brass, copper, and bronze. Tumbling media are steel, ceramic, plastic, and organic (corncob & walnut).

Alta Metal Finishing, Inc. is located at 126 Oakley Ave., White Plains, NY. The facility employs approximately 3 people, operating 8-hour day from Monday to Friday

between the hours of 8:00AM to 4:30PM. Alta Metal Finishing, Inc. is categorized based on the Standard Industrial Classification (SIC) 3569 – General Industrial Machinery & Equipment, Not Elsewhere, and the North American Industry Classification System (NAICS) 333998 – All Other Miscellaneous General Purpose Machinery Manufacturing.

3.2 Process Information

Alta Metal Finishing, Inc. uses municipal water for sanitary and operation process. Municipal water is not treated prior to use in the vibratory deburring and barrel tumbling operations.

Received base metal parts are added into the tumbler with a tumbling media. Water, cleaning detergents, and rust preventive chemicals are added. As the tumbler vibrates, the surface of the base metal parts is cleaned of residual oil and dirt. The tumbling media rubs and vibrates against the base metal parts to smooth out rough edges. The rust inhibitor coats the base metal surface to prevent corrosion. After a pre-determined time, the base metal parts are removed from the tumbler through a screen and are collected in a plastic container. The finished products are packaged and delivered to the customers.

The spent cleaning solution is drained from the tumbler onto the floor leading to the floor drain. In the floor drain, the process waste stream is conveyed to the collection pit. As the collection pit fills up, the level sensor pump is triggered and delivers the process wastewater to the receiving tank. From the receiving tank, the wastewater is pumped onto a cloth paper filter to remove solids. The filtrate from the cloth paper filter flows into the plastic junction container. In the plastic junction container are a submersible pump that delivers the wastewater to the 3,000-gallon storage holding tank and a hose that feeds the Ringwood Portable Band Filter Wastewater Treatment System. The wastewater in the 3,000-gallon storage holding tank is recirculated to the cloth paper filter, then to the plastic junction container.

The hose delivers the wastewater to fill the influent receiving chamber of the Ringwood Portable Band Filter Wastewater Treatment System. The on-site portable wastewater treatment system operates on a batch capacity of 100 gallons per treatment cycle within 15-30 minutes. Once the influent receiving chamber reaches capacity, the wastewater is pumped into the reactor chamber that is equipped with an agitator. Once the agitator is turned on, a polymer; RM-10, is manually added to initiate the flocculation and coagulation processes for about two (2) minutes in binding particulates into larger masses.

After reaction time, the agitator is turned off allowing for phase separation. The decant and solids from the reactor chamber discharge through a controlled grey PVC pipe onto the cloth paper filter. The filtrate accumulates in the effluent holding chamber. The pretreated effluent flows to the holding chamber outlet and discharges to the POTW sewer collection system.

Accumulated solids collected by the cloth paper filter of the on-site portable wastewater treatment system are rolled into the dumpster. The solids are disposed of as regular trash. Residual wastewater in the dumpster is directed into the floor drain for treatment.

3.3 Facility Self-Monitoring Information

Alta Metal Finishing, Inc. conducted one compliance self-monitoring sampling event in December 2023 for the 2023 calendar year. No self-monitoring sampling event has been performed in 2024. During the sampling event, not all the parameters were collected in accordance with the Westchester County Department of Environmental Facilities Wastewater Discharge Permit # 4399. The parameters collected are Metals (As, Ba, Cd, Cr, Cu, Pb, Hg, Ni, Se, Ag & Zn), Hexavalent Chromium, Total Cyanide, Total Phenols, pH, O&G, SVOCs, and VOCs. Sample containers with preservatives were provided by York Analytical Laboratories located at 50 Gedney Street, Nyack, New York. Samples of the pretreated effluent was collected by Andres Enriquez. The samples were analyzed by York Analytical Laboratories.

4.0 EPA SAMPLING/INSPECTION ACTIVITIES

4.1 Sampling Activities

Three batches of process wastewater were treated by the on-site portable wastewater treatment system throughout the day. Pretreated effluent was collected from each batch filling a third of the sample containers through manual grab-composite. Grab-composite samples were collected and analyzed for Metals (As, Ba, Cd, Cr, Cu, Pb, Hg, Ni, Se, Ag & Zn), Hexavalent Chromium, Total Phenols, and Non-Volatile Organic Analytes (NVOAs).

Grab samples were collected for Oil & Grease (O&G), Total Cyanide and Volatile Organic Analytes (VOAs). Three (3) sets of grab samples for VOAs were collected at various time intervals. The VOA grab samples were laboratory composited.

Furthermore, on-site grab samples were collected and analyzed for pH, Temperature, and Total Residual Chlorine (TRC).

All sample containers, preservation techniques and holding times were in accordance with USEPA requirements specified in 40 CFR Part 136. Signed and dated custody seals were placed across the lids and along the sides of the sample containers. The custody sealed sample containers were placed inside plastic sample bags and sealed. All samples were transported on ice to the USEPA Laboratory in Edison, New Jersey for analysis.

Split samples were collected and given to the facility representative.

4.2 Inspection Activities

A Pretreatment Compliance Sampling Inspection (CSI) at Alta Metal Finishing, Inc. was conducted on August 02 and September 18, 2024. The inspectors met with Andres Enriquez; Owner/Operator and Ken Strati; Previous Owner. Inspector's credential was presented, and business card was provided during the opening conference. The facility representatives were explained that the inspection purpose with supporting on-site activities was to determine if Alta Metal Finishing, Inc. is in compliance with the Federal limitations, requirements and conditions set forth in 40 CFR Part 403, Wastewater Discharge Permit # 4399, and other related Federal regulations.

Supporting on-site activities consist of collecting samples of the pretreated effluent at the monitoring location, observe and evaluate the monitoring location, observe and evaluate the wastewater treatment flow process, review and evaluate the on-site sampling procedures, review and evaluate the chain-of-custody, review and evaluate the analytical data, and interview the facility's representatives.

The facility's representatives were briefed on the inspection activities throughout the inspection and during the closing conference. On-site sample results and concerns discovered during the inspection were communicated to the facility's representatives so that they understand their responsibilities to comply with the conditions, requirements and limitations set forth in the Federal regulations and their industrial user permit.

4.3 Deviations and/or Environmental Conditions

On August 02, 2024 visit, one of the 8 tumblers was observed to be in operation. The process wastewater generated eventually was directed into the 3,000-gallon storage holding tank. The on-site portable wastewater treatment system was not connected to the treatment flow process. It was explained that the facility was rearranging and waiting on a back-order of polymer. A new sampling date was scheduled for Wednesday, September 18, 2024, once the polymer was received and the portable wastewater treatment system was connected to the treatment flow process. During the visit, the tumblers were not operating. Approximately 600 gallons of process wastewater was stored in the 3,000-gallon storage holding tank since the August 02 visit.

The facility's representative explained that compliance self-monitoring samples are collected from the reactor chamber grey PVC pipe. Due to accessibility to the pretreated effluent after the cloth paper filter, a professional judgement was made to collect compliance samples from the grey PVC pipe.

5.0 ANALYTICAL RESULTS

Table 1 – Alta Metal Finishing, Inc. Wastewater Discharge Permit
Inspection Dates: August 02, 2024 & September 18, 2024

POLLUTANTS	UNITS	LOCAL EFFLUENT LIMITATION (Daily Average)	EPA RESULT
pH	S.U.	5.5 – 9.5	7.48
Arsenic	mg/l	0.2	U
Barium	mg/l	2.0	U
Cadmium	mg/l	0.7	U
Chromium	mg/l	3.0	0.018
Hexa Chromium	mg/l	2.0	U
Copper	mg/l	2.8	0.031
Cyanide, Total	mg/l	0.8	U L
Lead	mg/l	0.4	U
Mercury	mg/l	0.2	U
Nickel	mg/l	2.8	0.54
O&G	mg/l	100	U
Phenols	mg/l	4.0	0.097
Selenium	mg/l	0.2	U
Silver	mg/l	0.8	U
Zinc	mg/l	1.9	1.51
TTO*	mg/l	2.1	0.042 U J
VOAs	---	----	0.006 U
NVOAs	---	----	0.036 J
Temperature	°C	</= 40 (104°F) – 40 CFRP403.5(b)(5)	23
TRC	mg/l	For Sample Collection & Preservation	Zero

Notes:* U: The analyte was not detected at or above the Reporting Limit.
J: The identification of the analyte is acceptable; the reported value is an estimate.
L: The identification of the analyte is acceptable; the reported value may be biased low.
TTO*: The sum of the concentration of the specific toxic organic compounds regulated by the specific categorical, or Westchester County, Pretreatment Regulations, which is found in the discharge at specific quantifiable concentration.

6.0 FINDINGS

6.1 Sampling Result Findings

The EPA analytical results obtained during this inspection are within the acceptable limits.

6.2 Inspection Findings

In addition to the analytical data, an inspection of the facility operations was conducted as discussed in Section 4.2 above. During the inspection, the following observations were

noted which may contravene the requirements of the applicable Federal regulations and the Wastewater Discharge Permit:

6.2.1 Compliance samples are collected from the reactor chamber grey PVC discharge pipe (See Section 8.0 Photographs: Photo #8). Samples collected from this monitoring location are not representative of the pretreated discharge effluent due to further treatment downstream. According to PART II – DEFINITIONS in the Wastewater Discharge Permit, it states, "*Self-Monitoring – Sampling and analyses performed at the Industry by the Industry itself in accordance with 40 CFR Part 403*." In 40 CFR Part 403.12(b)(5)(ii) for Measurement of Pollutants, it states, "*In addition, the User shall submit the results of sampling and analysis identifying the nature and concentration (or mass, where required by the Standard or Control Authority) of regulated pollutants in the Discharge from each regulated process. Both daily maximum and average concentration (or mass, where required) shall be reported. The sample shall be representative of daily operations."* Furthermore, 40 CFR Part 403.12(b)(5)(iv) for Measurement of Pollutants, it states, "*Samples should be taken immediately downstream from pretreatment facilities if such exist or immediately downstream from the regulated process if no pretreatment exists."*

6.2.2 Compliance samples collected by the facility are not chilled. According to 40 CFR Part 403.12(b)(5)(v) for Measurement of Pollutants, it states, "*Sampling and analysis shall be performed in accordance with the techniques prescribed in 40 CFR part 136 and amendments thereto."* Under the "*Preservation*" column in TABLE II – REQUIRED CONTAINERS, PRESERVATION TECHNIQUES, AND HOLDING TIMES in 40 CFR Part 136, pollutants in the Alta Metal Finishing, Inc. discharge permit are to be cool to six degrees Celsius or less (</=6°C) except for metals. Furthermore footnote #2 of TABLE II, it states, "*Except where noted in this Table II and the method for the parameter, preserve each grab sample within 15 minutes of collection. For a composite sample collected with an automated sample (e.g., using a 24-hour composite sample; see 40 CFR 122.21(g)(7)(i) or 40 CFR part 403, appendix E), refrigerate the sample at ≤6 °C during collection unless specified otherwise in this Table II or in the method(s). For a composite sample to be split into separate aliquots for preservation and/or analysis, maintain the sample at ≤6 °C, unless specified otherwise in this Table II or in the method(s), until collection, splitting, and preservation is completed."*

6.2.3 One of two compliance self-monitoring sampling events was conducted by the facility for 2023. According to PART IV – MONITORING REQUIREMENTS - Compliance & Self-Monitoring of the discharge permit, it states, " *The permittee is required to self-monitor at least twice a year in accordance with 40 CFR Part 403. The samples must be analyzed using test procedures prescribed in 40 CFR Part 136 or otherwise approved by EPA or specified in this permit. The self-monitoring results shall be submitted to the Department within thirty (30) days of receipt."* More specifically 40 CFR Part 403.12(e)(1) - Periodic Reports On Continued Compliance

states, "*Any Industrial User subject to a categorical Pretreatment Standard (except a Non-Significant Categorical User as defined in § 403.3(v)(2)), after the compliance date of such Pretreatment Standard, or, in the case of a New Source, after commencement of the discharge into the POTW, shall submit to the Control Authority during the months of June and December, unless required more frequently in the Pretreatment Standard or by the Control Authority or the Approval Authority, a report indicating the nature and concentration of pollutants in the effluent which are limited by such categorical Pretreatment Standards."*

6.2.4 The information on the "Field Chain-of-Custody Record" and the "Technical Report" from YORK Analytical Laboratory Inc. indicates the pH (Hydrogen Ion) sample was collected on 12/19/24. The sample was received by the laboratory on 12/20/23. The sample was analyzed on 12/22/23. According to 40 CFR Part 136 TABLE II – REQUIRED CONTAINERS, PRESERVATION TECHNIQUES, AND HOLDING TIMES, pH sample must be "*analyze within 15 minutes*."

7.0 ATTACHMENTS

Attachment #1. Process waste streams from the tumblers are directed to the floor drain.

Attachment #2. USEPA Chain of Custody for Samples was submitted to the USEPA Lab.

Attachment #3. USEPA Analytical Data Package was received on October 04, 2024.

Attachment #4. Alta Metal Finishing, Inc. Discharge Permit # 4399 expires on 12/31/2024.

Attachment #5. Alta Metal Finishing, Inc. Self-Monitoring Data submitted to the County IPP.

8.0 PHOTOGRAPHS

Photo #1. Municipal water is used in the tumbler to clean and polish bare metal parts.

Photo #2. Process waste streams are directed to the floor drain then to the collection pit.

Photo #3. Wastewater in the collection pit is pumped to the receiving tank below the window fan.

Photo #4. From the receiving tank, the wastewater is pumped onto the cloth paper filter. The filtrate continues to the plastic junction container.

Photo #5. Wastewater in the plastic junction container is pumped to either the storage holding tank (**See Photo #3 – Center**) or the on-site portable treatment system.

Photo #6. Wastewater is pumped into the influent receiving chamber.

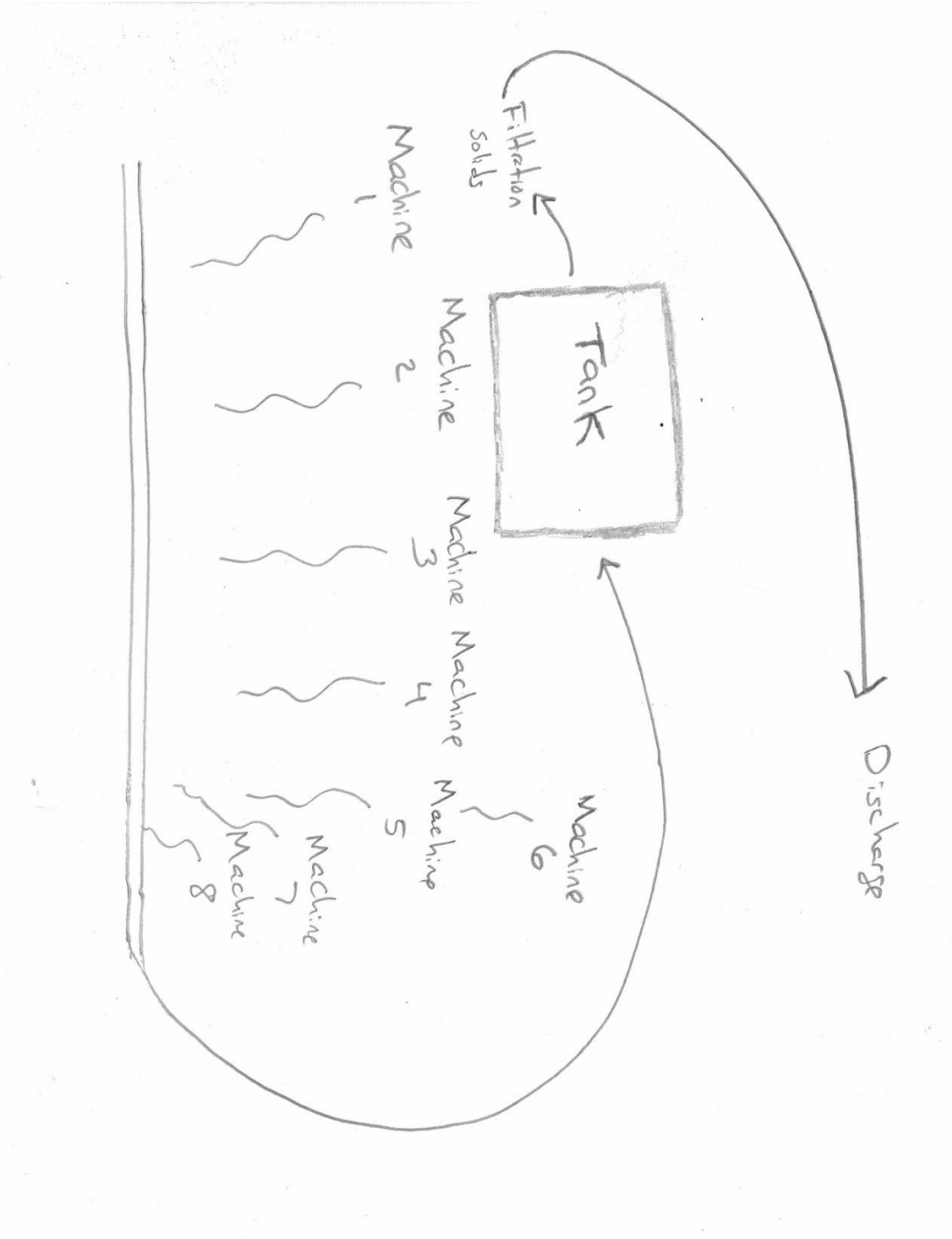
Photo #7. Polymer is added to the wastewater in the reactor chamber with the agitator provides mixing.

Photo #8. Effluent from the reactor chamber discharges onto the cloth paper filter.

Photo #9. Pretreated effluent in the effluent holding chamber discharges to the POTW.

7.0 Attachments

Attachment #1. Process waste streams from the tumblers are directed into the floor drain.



Attachment #2. Samples were submitted to the USEPA Laboratory on September 18, 2024.

US EPA REGION 2 LABORATORY

Page 1 of 2 pages

CHAIN OF CUSTODY/ FIELD DATA FORM

SURVEY NAME & LOCALITY Alta Metal Finishing, Inc.

PROJECT LEADER Thuan Tran

PROGRAM: SF ☐ : SITE ID _____ OPERABLE UNIT _____ PROGRAM RESULTS CODE _____

Decision		RCRA ☐	RCRA ENF ☐	NPDES ☐	SDWA ☐	AM ☐	CAA ☐	TSCA ☐	OD ☐	FIFRA ☐	CRIMINAL ENF ☐
Unit Code	Y206	D210	D307	B304 X	C215	B224	A305	L306	B253		

Permit #: SIU Permit #:4399

LAB ID/ FIELD ID	# OF CONTERS	MATRIX	CHECK IF SPLIT SAMPLE	DESCRIPTION & INSTRUCTIONS INCLUDING LOCATION, ESTIMATED CONCENTRATIONS, SPECIAL REPORTING LIMITS, SPECIAL TEST REQUIREMENTS & ALIQUOTING	Res CL Checked	Preservative (circle)	Collection Time (24hr clock) Begin	Collection Time (24hr clock) End	Collection Date mm/dd/yy
Pretreated Effluent: Grab-Comp	7	A	X	1, 250-ml HDPE plastic bottle: Metals*: 240902A-01	☐	02	1100	1330	9/18/2024
		A	X	1, 250-ml HDPE plastic bottle: Mercury:	☐	02	1100	1330	9/18/2024
		A	X	1, 250-ml HDPE plastic bottle: Hexavalent Chromium:	☐	0	1100	1330	9/18/2024
		A	X	1, 250-ml amber glass bottle: Phenols, T:	☐	01	1100	1330	9/18/2024
		A	X	3, 1-L WM amber glass bottles: NVOAs:	☐	0	1100	1330	9/18/2024
Pretreated Effluent: Grab	4	A	X	1, 125-ml HDPE plastic bottle: Cyanide, T -02	☐	05		1330	9/18/2024
		A	X	3, 1-L WM clear glass bottles : O&G:	☐	03		1330	9/18/2024
			☐		☐	0 1 2 3 4 5 6 7 8 9 10			
			☐		☐	0 1 2 3 4 5 6 7 8 9 10			
			☐		☐	0 1 2 3 4 5 6 7 8 9 10			

9/18/24

COMMENTS & SPECIAL REQUIREMENTS:

Notes: Metals*: As, Ba, Cd, Cr, Cu, Pb, Ni, Se, Ag & Zn.

TRC: Zero

Preservative Added & Checked

0=ice
1=H2SO4 pH<2
2=HNO3 pH<2
3=HCl pH<2
4=Na2S2O3
5=NaOH pH>9
6=Ascorbic Acid
7=FAS
8=ZnAc
9=NaOH pH>12
10=NH4Cl

	Time	Date
Person Assuming Responsibility for Sample(s): Thuan Tran	1620	9/18/2024
Relinquished By: Thuan Tran / Received By:	16:20	9/18/24
Relinquished By: / Received By:		
Relinquished By: / Received By:		

Matrix:

A=aqueous
B=aqueous (chlorinated)
C=soil
D=sediment
E=sludge
F=multiphasic
G=solvent
H=biota
I=oil
J=other

Survey Complete? Y ☐ N ☐

Direct from Sampling, Distributed ZA 9/18/24

revised 10/25/2004

US EPA REGION 2 LABORATORY

CHAIN OF CUSTODY/ FIELD DATA FORM

SURVEY NAME & LOCALITY ___ Alta Metal Finishing, Inc.

PROJECT LEADER _____ Thuan Tran

PROGRAM: SF ☐ : SITE ID _____ OPERABLE UNIT _____ PROGRAM RESULTS CODE _____

Decision		RCRA ☐	RCRA ENF ☐	NPDES ☐	SDWA ☐	AM ☐	CAA ☐	TSCA ☐	OD ☐	FIFRA ☐	CRIMINAL ENF ☐
Unit Code	Y206	D210	D307	B304 X	C215	B224	A305	L306	B253		

Permit #: __SIU Permit #:4399 _____

LAB ID/ FIELD ID	# OF CONTERS	MATRIX	CHECK IF SPLIT SAMPLE	DESCRIPTION & INSTRUCTIONS INCLUDING LOCATION, ESTIMATED CONCENTRATIONS, SPECIAL REPORTING LIMITS, SPECIAL TEST REQUIREMENTS & ALIQUOTING	Res CL Checked	Preservative (circle)	Collection Time (24hr clock) Begin	Collection Time (24hr clock) End	Collection Date mm/dd/yy
TRIP BLANK	3	A	☐	3, 40-ml clear glass vials: VOAs*: Grab 2409024-03	☐	0		1527	9/17/2024
Pretreated Effluent: Grab	12	A	☒	3, 40-ml clear glass vials: VOAs*-1st Set -04	☐	0		1100	9/18/2024
		A	☒	3, 40-ml clear glass vials: VOAs*-2nd Set -05	☐	0		1230	9/18/2024
		A	☒	3, 40-ml clear glass vials: VOAs*-3rd Set -06	☐	0		1330	9/18/2024
			☐	Lab Composite of 1st + 2nd + 3rd set ~~-07~~ -07	☐	0 1 2 3 4 5 6 7 8 9 10			
			☐	~~dd~~	☐	0 1 2 3 4 5 6 7 8 9 10			
			☐	9/18/24	☐	0 1 2 3 4 5 6 7 8 9 10			
			☐		☐	0 1 2 3 4 5 6 7 8 9 10			
			☐		☐	0 1 2 3 4 5 6 7 8 9 10			
			☐		☐	0 1 2 3 4 5 6 7 8 9 10			

COMMENTS & SPECIAL REQUIREMENTS:

Notes: VOAs*: samples from 1st-to-3rd sets are to be composite in the laboratory.

TRC: Zero

Preservative Added & Checked

0=ice
1=H2SO4 pH<2
2=HNO3 pH<2
3=HCl pH<2
4=Na2S2O3
5=NaOH pH>9
6=Ascorbic Acid
7=FAS
8=ZnAc
9=NaOH pH>12
10=NH4Cl

	Time	Date
Person Assuming Responsibility for Sample(s): Thuan Tran	1620	9/18/2024
Relinquished By: Thuan Tran / Received By:	16:20	9/18/24
Relinquished By: / Received By:		
Relinquished By: / Received By:		

Matrix:

A=aqueous
B=aqueous (chlorinated)
C=soil
D=sediment
E=sludge
F=multiphasic
G=solvent
H=biota
I=oil
J=other

Survey Complete? Y ☑ N ☐

revised 10/25/2004

Attachment #3. Analytical data were received on October 4, 2024.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 2 Laboratory
2890 Woodbridge Avenue
Edison , New Jersey 08837
732-906-6886 Phone
732-906-6165 Fax

October 04, 2024

Thuan Tran
Monitoring & Assessment Branch
LSASD/MAB
Edison, NJ 08837

RE: Alta Metal Finishing, Inc. - 2409024

Enclosed are the results of analyses for samples received by the laboratory on 09/18/2024. The signature below reflects the laboratory's approval of the reported results. If you have any questions concerning this report, please refer to Project Number 2409024 and contact the laboratory.

Sincerely,

John R. Bourbon
Chief, LSASD/LB

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 2 Laboratory

Final Report

Project: Alta Metal Finishing, Inc. - 2409024

Project Number: 2409024

Project Narrative:

The National Environmental Laboratory Accreditation Conference Institute (TNI) is a voluntary environmental laboratory accreditation association of State and Federal agencies. TNI established and promoted a National Environmental Laboratory Accreditation Program (NELAP) that provides a uniform set of standards for the generation of environmental data that are of known and defensible quality. The EPA Region 2 Laboratory is NELAP accredited. The Laboratory tests that are accredited have met all the requirements established under the TNI Standards.

Condition Comments

None

Comment(s):

The "Sample Analysis Date and Time" is included in the results section for any analyte with a prescribed holding time of 72 hours or less.

SVOA:

NPDES requirements were not met in S410003-ICV1. Multiple calibrations were run in an effort to meet NPDES criteria. No qualifications were necessay for sample 2409024-01 due to the ICV not meeting the acceptance limits.

There were several compounds outside %RPD QC limtis in LCS/LCSD and MS/MSD. Based on these results, a "J" qualifier was applied accordingly to sample 2409009-01.

Data Qualifier(s):

U- The analyte was not detected at or above the Reporting Limit.
J- The identification of the analyte is acceptable; the reported value is an estimate.
K- The identification of the analyte is acceptable; the reported value may be biased high.
L- The identification of the analyte is acceptable; the reported value may be biased low.
NJ- There is presumptive evidence that the analyte is present; the analyte is reported as a tentative identification. The reported value is an estimate.

Final Report

Project: Alta Metal Finishing, Inc. - 2409024

Project Number: 2409024

Reporting Limit(s):

The Laboratory was able to achieve the appropriate limit for each analyte requested.

SUMMARY REPORT FOR SAMPLES

Field ID	Laboratory ID	Matrix	Date Sampled	Date Received
Pretreated Effluent: Grab-Comp	2409024-01	Aqueous	09/18/2024 13:30	09/18/2024 16:20
Pretreated Effluent: Grab	2409024-02	Aqueous	09/18/2024 13:30	09/18/2024 16:20
TRIP BLANK	2409024-03	Aqueous	09/17/2024 15:27	09/18/2024 16:20
Lab Composite: 1st+2nd+3rd Set	2409024-07	Aqueous	09/18/2024 00:01	09/18/2024 16:20

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 2 Laboratory

Final Report

Project: Alta Metal Finishing, Inc. - 2409024

Project Number: 2409024

SUMMARY REPORT FOR METHODS

Analysis	Method	Certification	Matrix
624.1 VOA EPA-NPDES	EPA 624.1 SOP C-89 Rev 3.7	NELAP	Aqueous
Chromium, Hexavalent	HACH 8023 SOP C-96 Rev 2.8	NELAP	Aqueous
Cyanide, Total	EPA 335.4 SOP C-28 Rev 2.8	NELAP	Aqueous
E-625.1-SVOA EPA ERA	EPA 625.1 SOP C-90 Rev 3.9	NELAP	Aqueous
Mercury	EPA 245.1 SOP C-110 Rev 2.8	NELAP	Aqueous
Metals ICP TAL NPDES/DW	EPA 200.7 SOP C-109 Rev 3.7	NELAP	Aqueous
Oil & Grease	EPA 1664A SOP C-126 Rev 1.7	NELAP	Aqueous
Phenolics, Total	EPA 420.4 SOP C-29 Rev 2.8	NELAP	Aqueous

Final Report

Project: Alta Metal Finishing, Inc. - 2409024

Project Number: 2409024

Analyte	Result	Qualifier	Reporting Limit	Units	Batch	Date and Time of Analysis*
Field ID: Pretreated Effluent: Grab-Comp				**Sample ID: 2409024-01**		
NVOA GCMS						
1,4-Dioxane	2.29	J	2.00	ug/L	B409077	
N-Nitrosodimethylamine	---	U J	5.00	ug/L	B409077	
Benzaldehyde	---	U J	5.00	ug/L	B409077	
Phenol	---	U J	5.00	ug/L	B409077	
Bis(2-Chloroethyl)Ether	---	U J	5.00	ug/L	B409077	
2-Chlorophenol	---	U J	5.00	ug/L	B409077	
2-Methylphenol	---	U J	5.00	ug/L	B409077	
Bis(2-Chloroisopropyl)Ether	---	U J	5.00	ug/L	B409077	
Acetophenone	---	U J	5.00	ug/L	B409077	
4-Methylphenol	---	U J	5.00	ug/L	B409077	
N-Nitroso-Di-N-Propylamine	---	U J	5.00	ug/L	B409077	
Hexachloroethane	---	U J	5.00	ug/L	B409077	
Nitrobenzene	---	U J	5.00	ug/L	B409077	
Isophorone	---	U J	5.00	ug/L	B409077	
2-Nitrophenol	---	U J	5.00	ug/L	B409077	
2,4-Dimethylphenol	33.5		5.00	ug/L	B409077	
Bis(-2-Chloroethoxy)Methane	---	U J	5.00	ug/L	B409077	
2,4-Dichlorophenol	---	U J	5.00	ug/L	B409077	
1,2,4-Trichlorobenzene	---	U J	5.00	ug/L	B409077	
Hexachlorobutadiene	---	U J	5.00	ug/L	B409077	
Naphthalene	---	U J	5.00	ug/L	B409077	
4-Chloroaniline	---	U J	5.00	ug/L	B409077	
Caprolactam	---	U	5.00	ug/L	B409077	
4-Chloro-3-Methylphenol	---	U J	5.00	ug/L	B409077	
2-Methylnaphthalene	---	U J	5.00	ug/L	B409077	
1,2,4,5-Tetrachlorobenzene	---	U J	5.00	ug/L	B409077	
Hexachlorocyclopentadiene	---	U J	5.00	ug/L	B409077	
2,4,6-Trichlorophenol	---	U J	5.00	ug/L	B409077	
2,4,5-Trichlorophenol	---	U J	5.00	ug/L	B409077	

Final Report

Project: Alta Metal Finishing, Inc. - 2409024

Project Number: 2409024

Analyte	Result	Qualifier	Reporting Limit	Units	Batch	Date and Time of Analysis*
Field ID: Pretreated Effluent: Grab-Comp				**Sample ID: 2409024-01**		
NVOA GCMS						
Biphenyl	---	U	5.00	ug/L	B409077	
2-Chloronaphthalene	---	U	5.00	ug/L	B409077	
2-Nitroaniline	---	U J	5.00	ug/L	B409077	
Dimethyl Phthalate	---	U	5.00	ug/L	B409077	
Acenaphthylene	---	U J	5.00	ug/L	B409077	
2,6-Dinitrotoluene	---	U	5.00	ug/L	B409077	
3-Nitroaniline	---	U J	5.00	ug/L	B409077	
Acenaphthene	---	U	5.00	ug/L	B409077	
2,4-Dinitrophenol	---	U J	5.00	ug/L	B409077	
4-Nitrophenol	---	U J	5.00	ug/L	B409077	
Dibenzofuran	---	U	5.00	ug/L	B409077	
2,4-Dinitrotoluene	---	U	5.00	ug/L	B409077	
2,3,4,6-Tetrachlorophenol	---	U J	5.00	ug/L	B409077	
Fluorene	---	U	5.00	ug/L	B409077	
Diethylphthalate	---	U	5.00	ug/L	B409077	
4-Chlorophenyl-Phenylether	---	U J	5.00	ug/L	B409077	
4-Nitroaniline	---	U J	5.00	ug/L	B409077	
4,6-Dinitro-2-Methylphenol	---	U J	5.00	ug/L	B409077	
N-Nitrosodiphenylamine	---	U J	5.00	ug/L	B409077	
4-Bromophenyl-Phenylether	---	U	5.00	ug/L	B409077	
Hexachlorobenzene	---	U	5.00	ug/L	B409077	
Atrazine	---	U	5.00	ug/L	B409077	
Pentachlorophenol	---	U J	5.00	ug/L	B409077	
Phenanthrene	---	U	5.00	ug/L	B409077	
Anthracene	---	U	5.00	ug/L	B409077	
Carbazole	---	U J	5.00	ug/L	B409077	
Di-N-Butyl Phthalate	---	U	5.00	ug/L	B409077	
Fluoranthene	---	U	5.00	ug/L	B409077	
Pyrene	---	U	5.00	ug/L	B409077	

Final Report

Project: Alta Metal Finishing, Inc. - 2409024

Project Number: 2409024

Analyte	Result	Qualifier	Reporting Limit	Units	Batch	Date and Time of Analysis*
Field ID: Pretreated Effluent: Grab-Comp				**Sample ID: 2409024-01**		
NVOA GCMS						
Butylbenzylphthalate	---	U	5.00	ug/L	B409077	
3,3'- Dichlorobenzidine	---	U J	5.00	ug/L	B409077	
Benzo(A)Anthracene	---	U	5.00	ug/L	B409077	
Chrysene	---	U	5.00	ug/L	B409077	
Bis(2-Ethylhexyl)Phthalate	---	U	5.00	ug/L	B409077	
Di-N-Octyl Phthalate	---	U	5.00	ug/L	B409077	
Benzo(B)Fluoranthene	---	U	5.00	ug/L	B409077	
Benzo(K)Fluoranthene	---	U	5.00	ug/L	B409077	
Benzo(A)Pyrene	---	U	5.00	ug/L	B409077	
Indeno(1,2,3-Cd)Pyrene	---	U	5.00	ug/L	B409077	
Dibenzo(A,H)Anthracene	---	U	5.00	ug/L	B409077	
Benzo(G,H,I)Perylene	---	U	5.00	ug/L	B409077	
Metals ICP						
Arsenic	---	U	8.00	ug/L	B409068	
Barium	---	U	100	ug/L	B409068	
Cadmium	---	U	3.00	ug/L	B409068	
Chromium	18.3		5.00	ug/L	B409068	
Copper	31.4		10.0	ug/L	B409068	
Lead	---	U	8.00	ug/L	B409068	
Nickel	537		20.0	ug/L	B409068	
Selenium	---	U	20.0	ug/L	B409068	
Silver	---	U	5.00	ug/L	B409068	
Zinc	1510		20.0	ug/L	B409068	

Final Report

Project: Alta Metal Finishing, Inc. - 2409024

Project Number: 2409024

Analyte	Result	Qualifier	Reporting Limit	Units	Batch	Date and Time of Analysis*
Field ID: Pretreated Effluent: Grab-Comp				**Sample ID: 2409024-01**		
Mercury CVAA						
Mercury	---	U	0.050	ug/L	B409078	
Sanitary						
Chromium, Hexavalent	---	U	10.0	ug/L	B409067	09/18/2024 16:32
Phenolics, Total	96.5		20.0	ug/L	B409076	
Field ID: Pretreated Effluent: Grab				**Sample ID: 2409024-02**		
GC						
Oil & Grease	---	U	5.95	mg/L	B409072	
Sanitary						
Cyanide, Total	---	U L	20.0	ug/L	B409083	
Field ID: TRIP BLANK				**Sample ID: 2409024-03**		
VOA GCMS						
Chloromethane	---	U	5.00	ug/L	B409073	
Vinyl Chloride	---	U	5.00	ug/L	B409073	
Bromomethane	---	U	5.00	ug/L	B409073	
Chloroethane	---	U	5.00	ug/L	B409073	
Trichlorofluoromethane	---	U	5.00	ug/L	B409073	
1,1-Dichloroethene	---	U	5.00	ug/L	B409073	
Methylene Chloride	---	U	5.00	ug/L	B409073	
Acrylonitrile	---	U	5.00	ug/L	B409073	
trans-1,2-Dichloroethene	---	U	5.00	ug/L	B409073	
1,1-Dichloroethane	---	U	5.00	ug/L	B409073	
Chloroform	---	U	5.00	ug/L	B409073	
1,1,1-Trichloroethane	---	U	5.00	ug/L	B409073	
Carbon Tetrachloride	---	U	5.00	ug/L	B409073	
1,2-Dichloroethane	---	U	5.00	ug/L	B409073	
Benzene	---	U	5.00	ug/L	B409073	
Trichloroethene	---	U	5.00	ug/L	B409073	
1,2-Dichloropropane	---	U	5.00	ug/L	B409073	

Final Report

Project: Alta Metal Finishing, Inc. - 2409024

Project Number: 2409024

Analyte	Result	Qualifier	Reporting Limit	Units	Batch	Date and Time of Analysis*
Field ID: TRIP BLANK				**Sample ID: 2409024-03**		
VOA GCMS						
Bromodichloromethane	---	U	5.00	ug/L	B409073	
cis-1,3-Dichloropropene	---	U	5.00	ug/L	B409073	
Toluene	---	U	5.00	ug/L	B409073	
trans-1,3-Dichloropropene	---	U	5.00	ug/L	B409073	
1,1,2-Trichloroethane	---	U	5.00	ug/L	B409073	
Tetrachloroethene	---	U	5.00	ug/L	B409073	
Dibromochloromethane	---	U	5.00	ug/L	B409073	
Chlorobenzene	---	U	5.00	ug/L	B409073	
Ethylbenzene	---	U	5.00	ug/L	B409073	
Bromoform	---	U	5.00	ug/L	B409073	
1,1,2,2-Tetrachloroethane	---	U	5.00	ug/L	B409073	
1,3-Dichlorobenzene	---	U	5.00	ug/L	B409073	
1,4-Dichlorobenzene	---	U	5.00	ug/L	B409073	
1,2-Dichlorobenzene	---	U	5.00	ug/L	B409073	
Field ID: Lab Composite: 1st+2nd+3rd Set				**Sample ID: 2409024-07**		
VOA GCMS						
Chloromethane	---	U	5.00	ug/L	B409073	
Vinyl Chloride	---	U	5.00	ug/L	B409073	
Bromomethane	---	U	5.00	ug/L	B409073	
Chloroethane	---	U	5.00	ug/L	B409073	
Trichlorofluoromethane	---	U	5.00	ug/L	B409073	
1,1-Dichloroethene	---	U	5.00	ug/L	B409073	
Methylene Chloride	---	U	5.00	ug/L	B409073	
Acrylonitrile	---	U	5.00	ug/L	B409073	
trans-1,2-Dichloroethene	---	U	5.00	ug/L	B409073	
1,1-Dichloroethane	---	U	5.00	ug/L	B409073	
Chloroform	6.26		5.00	ug/L	B409073	
1,1,1-Trichloroethane	---	U	5.00	ug/L	B409073	
Carbon Tetrachloride	---	U	5.00	ug/L	B409073	

Final Report

Project: Alta Metal Finishing, Inc. - 2409024

Project Number: 2409024

Analyte	Result	Qualifier	Reporting Limit	Units	Batch	Date and Time of Analysis*
Field ID: Lab Composite: 1st+2nd+3rd Set					**Sample ID: 2409024-07**	
VOA GCMS						
1,2-Dichloroethane	---	U	5.00	ug/L	B409073	
Benzene	---	U	5.00	ug/L	B409073	
Trichloroethene	---	U	5.00	ug/L	B409073	
1,2-Dichloropropane	---	U	5.00	ug/L	B409073	
Bromodichloromethane	---	U	5.00	ug/L	B409073	
cis-1,3-Dichloropropene	---	U	5.00	ug/L	B409073	
Toluene	---	U	5.00	ug/L	B409073	
trans-1,3-Dichloropropene	---	U	5.00	ug/L	B409073	
1,1,2-Trichloroethane	---	U	5.00	ug/L	B409073	
Tetrachloroethene	---	U	5.00	ug/L	B409073	
Dibromochloromethane	---	U	5.00	ug/L	B409073	
Chlorobenzene	---	U	5.00	ug/L	B409073	
Ethylbenzene	---	U	5.00	ug/L	B409073	
Bromoform	---	U	5.00	ug/L	B409073	
1,1,2,2-Tetrachloroethane	---	U	5.00	ug/L	B409073	
1,3-Dichlorobenzene	---	U	5.00	ug/L	B409073	
1,4-Dichlorobenzene	---	U	5.00	ug/L	B409073	
1,2-Dichlorobenzene	---	U	5.00	ug/L	B409073	

Final Report

Project: Alta Metal Finishing, Inc. - 2409024

Project Number: 2409024

VOA GCMS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B409073									
Blank (B409073-BLK1)									
Chloromethane	--- U	5.00	ug/L						
Vinyl Chloride	--- U	5.00	ug/L						
Bromomethane	--- U	5.00	ug/L						
Chloroethane	--- U	5.00	ug/L						
Trichlorofluoromethane	--- U	5.00	ug/L						
1,1-Dichloroethene	--- U	5.00	ug/L						
Methylene Chloride	--- U	5.00	ug/L						
Acrylonitrile	--- U	5.00	ug/L						
trans-1,2-Dichloroethene	--- U	5.00	ug/L						
1,1-Dichloroethane	--- U	5.00	ug/L						
Chloroform	--- U	5.00	ug/L						
1,1,1-Trichloroethane	--- U	5.00	ug/L						
Carbon Tetrachloride	--- U	5.00	ug/L						
1,2-Dichloroethane	--- U	5.00	ug/L						
Benzene	--- U	5.00	ug/L						
Trichloroethene	--- U	5.00	ug/L						
1,2-Dichloropropane	--- U	5.00	ug/L						
Bromodichloromethane	--- U	5.00	ug/L						
cis-1,3-Dichloropropene	--- U	5.00	ug/L						
Toluene	--- U	5.00	ug/L						
trans-1,3-Dichloropropene	--- U	5.00	ug/L						
1,1,2-Trichloroethane	--- U	5.00	ug/L						
Tetrachloroethene	--- U	5.00	ug/L						
Dibromochloromethane	--- U	5.00	ug/L						
Chlorobenzene	--- U	5.00	ug/L						
Ethylbenzene	--- U	5.00	ug/L						
Bromoform	--- U	5.00	ug/L						
1,1,2,2-Tetrachloroethane	--- U	5.00	ug/L						
1,3-Dichlorobenzene	--- U	5.00	ug/L						
1,4-Dichlorobenzene	--- U	5.00	ug/L						
1,2-Dichlorobenzene	--- U	5.00	ug/L						
Surrogate: 1,4-Difluorobenzene	*101*		ug/L	*100.0*		*101*	*60-140*		
Surrogate: 2-Bromo-1-Chloropropane	*97.4*		ug/L	*100.0*		*97.4*	*60-140*		
Surrogate: 1,4-Dichlorobutane	*94.0*		ug/L	*100.0*		*94.0*	*60-140*		

Final Report

Project: Alta Metal Finishing, Inc. - 2409024

Project Number: 2409024

VOA GCMS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B409073									
LCS (B409073-BS1)									
Chloromethane	63.7	5.00	ug/L	50.00		127	19-205		
Vinyl Chloride	64.2	5.00	ug/L	50.00		128	5-195		
Bromomethane	66.3	5.00	ug/L	50.00		133	15-185		
Chloroethane	56.5	5.00	ug/L	50.00		113	40-160		
Trichlorofluoromethane	65.6	5.00	ug/L	50.00		131	50-150		
1,1-Dichloroethene	42.9	5.00	ug/L	50.00		85.8	50-150		
Methylene Chloride	43.8	5.00	ug/L	50.00		87.6	60-140		
Acrylonitrile	46.6	5.00	ug/L	50.00		93.1	60-140		
trans-1,2-Dichloroethene	46.6	5.00	ug/L	50.00		93.1	70-130		
1,1-Dichloroethane	49.5	5.00	ug/L	50.00		99.1	70-130		
Chloroform	53.7	5.00	ug/L	50.00		107	70-135		
1,1,1-Trichloroethane	54.9	5.00	ug/L	50.00		110	70-130		
Carbon Tetrachloride	57.9	5.00	ug/L	50.00		116	70-130		
1,2-Dichloroethane	50.4	5.00	ug/L	50.00		101	70-130		
Benzene	47.8	5.00	ug/L	50.00		95.7	65-135		
Trichloroethene	49.6	5.00	ug/L	50.00		99.2	65-135		
1,2-Dichloropropane	49.8	5.00	ug/L	50.00		99.6	35-165		
Bromodichloromethane	52.2	5.00	ug/L	50.00		104	65-135		
cis-1,3-Dichloropropene	52.8	5.00	ug/L	50.00		106	25-175		
Toluene	51.2	5.00	ug/L	50.00		102	70-130		
trans-1,3-Dichloropropene	55.7	5.00	ug/L	50.00		111	50-150		
1,1,2-Trichloroethane	51.0	5.00	ug/L	50.00		102	70-130		
Tetrachloroethene	50.8	5.00	ug/L	50.00		102	70-130		
Dibromochloromethane	55.0	5.00	ug/L	50.00		110	70-135		
Chlorobenzene	51.3	5.00	ug/L	50.00		103	65-135		
Ethylbenzene	51.9	5.00	ug/L	50.00		104	60-140		
Bromoform	53.6	5.00	ug/L	50.00		107	70-130		
1,1,2,2-Tetrachloroethane	51.5	5.00	ug/L	50.00		103	60-140		
1,3-Dichlorobenzene	52.6	5.00	ug/L	50.00		105	70-130		
1,4-Dichlorobenzene	52.1	5.00	ug/L	50.00		104	65-135		
1,2-Dichlorobenzene	53.0	5.00	ug/L	50.00		106	65-135		
Surrogate: 1,4-Difluorobenzene	*101*		ug/L	*100.0*		*101*	*60-140*		
Surrogate: 2-Bromo-1-Chloropropane	*101*		ug/L	*100.0*		*101*	*60-140*		
Surrogate: 1,4-Dichlorobutane	*92.6*		ug/L	*100.0*		*92.6*	*60-140*		

Final Report

Project: Alta Metal Finishing, Inc. - 2409024

Project Number: 2409024

VOA GCMS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B409073									
LCS Dup (B409073-BSD1)									
Chloromethane	57.5	5.00	ug/L	50.00		115	19-205	10.3	20
Vinyl Chloride	58.1	5.00	ug/L	50.00		116	5-195	9.91	20
Bromomethane	61.0	5.00	ug/L	50.00		122	15-185	8.28	20
Chloroethane	49.1	5.00	ug/L	50.00		98.2	40-160	14.1	20
Trichlorofluoromethane	59.6	5.00	ug/L	50.00		119	50-150	9.60	20
1,1-Dichloroethene	39.1	5.00	ug/L	50.00		78.2	50-150	9.19	20
Methylene Chloride	40.4	5.00	ug/L	50.00		80.8	60-140	8.05	20
Acrylonitrile	44.2	5.00	ug/L	50.00		88.4	60-140	5.22	20
trans-1,2-Dichloroethene	42.4	5.00	ug/L	50.00		84.8	70-130	9.37	20
1,1-Dichloroethane	45.3	5.00	ug/L	50.00		90.7	70-130	8.85	20
Chloroform	49.4	5.00	ug/L	50.00		98.9	70-135	8.20	20
1,1,1-Trichloroethane	50.2	5.00	ug/L	50.00		100	70-130	8.97	20
Carbon Tetrachloride	52.7	5.00	ug/L	50.00		105	70-130	9.37	20
1,2-Dichloroethane	47.2	5.00	ug/L	50.00		94.3	70-130	6.54	20
Benzene	44.7	5.00	ug/L	50.00		89.5	65-135	6.70	20
Trichloroethene	45.6	5.00	ug/L	50.00		91.2	65-135	8.32	20
1,2-Dichloropropane	46.3	5.00	ug/L	50.00		92.6	35-165	7.26	20
Bromodichloromethane	49.2	5.00	ug/L	50.00		98.5	65-135	5.91	20
cis-1,3-Dichloropropene	49.8	5.00	ug/L	50.00		99.5	25-175	5.93	20
Toluene	48.1	5.00	ug/L	50.00		96.2	70-130	6.34	20
trans-1,3-Dichloropropene	52.8	5.00	ug/L	50.00		106	50-150	5.31	20
1,1,2-Trichloroethane	49.0	5.00	ug/L	50.00		98.1	70-130	3.90	20
Tetrachloroethene	47.3	5.00	ug/L	50.00		94.6	70-130	7.06	20
Dibromochloromethane	52.0	5.00	ug/L	50.00		104	70-135	5.59	20
Chlorobenzene	47.6	5.00	ug/L	50.00		95.3	65-135	7.38	20
Ethylbenzene	48.4	5.00	ug/L	50.00		96.7	60-140	7.08	20
Bromoform	51.1	5.00	ug/L	50.00		102	70-130	4.93	20
1,1,2,2-Tetrachloroethane	48.7	5.00	ug/L	50.00		97.4	60-140	5.69	20
1,3-Dichlorobenzene	49.6	5.00	ug/L	50.00		99.2	70-130	5.76	20
1,4-Dichlorobenzene	48.8	5.00	ug/L	50.00		97.6	65-135	6.52	20
1,2-Dichlorobenzene	50.4	5.00	ug/L	50.00		101	65-135	5.13	20
Surrogate: 1,4-Difluorobenzene	*101*		ug/L	*100.0*		*101*	*60-140*		
Surrogate: 2-Bromo-1-Chloropropane	*101*		ug/L	*100.0*		*101*	*60-140*		
Surrogate: 1,4-Dichlorobutane	*91.6*		ug/L	*100.0*		*91.6*	*60-140*		

Final Report

Project: Alta Metal Finishing, Inc. - 2409024

Project Number: 2409024

VOA GCMS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B409073									
Matrix Spike (B409073-MS1)	**Source: 2409024-07**								
Chloromethane	50.2	5.00	ug/L	50.00	ND	100	19-273		
Vinyl Chloride	57.0	5.00	ug/L	50.00	ND	114	49-251		
Bromomethane	56.0	5.00	ug/L	50.00	ND	112	21-242		
Chloroethane	49.5	5.00	ug/L	50.00	ND	98.9	14-230		
Trichlorofluoromethane	55.1	5.00	ug/L	50.00	ND	110	17-181		
1,1-Dichloroethene	52.5	5.00	ug/L	50.00	ND	105	52-234		
Methylene Chloride	47.5	5.00	ug/L	50.00	ND	94.9	69-221		
Acrylonitrile	46.0	5.00	ug/L	50.00	ND	92.0	40-160		
trans-1,2-Dichloroethene	52.4	5.00	ug/L	50.00	ND	105	54-156		
1,1-Dichloroethane	49.0	5.00	ug/L	50.00	ND	97.9	59-155		
Chloroform	57.8	5.00	ug/L	50.00	6.26	103	51-138		
1,1,1-Trichloroethane	54.6	5.00	ug/L	50.00	ND	109	52-162		
Carbon Tetrachloride	57.8	5.00	ug/L	50.00	ND	116	70-140		
1,2-Dichloroethane	48.7	5.00	ug/L	50.00	ND	97.4	49-155		
Benzene	49.7	5.00	ug/L	50.00	ND	99.5	37-151		
Trichloroethene	50.9	5.00	ug/L	50.00	ND	102	70-157		
1,2-Dichloropropane	47.0	5.00	ug/L	50.00	ND	94.1	74-210		
Bromodichloromethane	51.5	5.00	ug/L	50.00	ND	103	35-155		
cis-1,3-Dichloropropene	51.3	5.00	ug/L	50.00	ND	103	80-227		
Toluene	51.1	5.00	ug/L	50.00	ND	102	47-150		
trans-1,3-Dichloropropene	52.1	5.00	ug/L	50.00	ND	104	17-183		
1,1,2-Trichloroethane	47.4	5.00	ug/L	50.00	ND	94.9	52-150		
Tetrachloroethene	51.4	5.00	ug/L	50.00	ND	103	64-148		
Dibromochloromethane	50.3	5.00	ug/L	50.00	ND	101	53-149		
Chlorobenzene	48.8	5.00	ug/L	50.00	ND	97.7	37-160		
Ethylbenzene	49.9	5.00	ug/L	50.00	ND	99.7	37-162		
Bromoform	53.4	5.00	ug/L	50.00	ND	107	45-169		
1,1,2,2-Tetrachloroethane	46.7	5.00	ug/L	50.00	ND	93.4	46-157		
1,3-Dichlorobenzene	50.5	5.00	ug/L	50.00	ND	101	59-156		
1,4-Dichlorobenzene	50.5	5.00	ug/L	50.00	ND	101	18-190		
1,2-Dichlorobenzene	50.1	5.00	ug/L	50.00	ND	100	18-190		
Surrogate: 1,4-Difluorobenzene	*102*		ug/L	*100.0*		*102*	*60-140*		
Surrogate: 2-Bromo-1-Chloropropane	*103*		ug/L	*100.0*		*103*	*60-140*		
Surrogate: 1,4-Dichlorobutane	*91.2*		ug/L	*100.0*		*91.2*	*60-140*		

Final Report

Project: Alta Metal Finishing, Inc. - 2409024

Project Number: 2409024

VOA GCMS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B409073									
Matrix Spike Dup (B409073-MSD1)	**Source: 2409024-07**								
Chloromethane	50.8	5.00	ug/L	50.00	ND	102	19-273	1.23	28
Vinyl Chloride	58.6	5.00	ug/L	50.00	ND	117	49-251	2.61	28
Bromomethane	59.2	5.00	ug/L	50.00	ND	118	21-242	5.59	28
Chloroethane	51.1	5.00	ug/L	50.00	ND	102	14-230	3.28	28
Trichlorofluoromethane	56.9	5.00	ug/L	50.00	ND	114	17-181	3.27	28
1,1-Dichloroethene	54.9	5.00	ug/L	50.00	ND	110	52-234	4.47	28
Methylene Chloride	47.4	5.00	ug/L	50.00	ND	94.8	69-221	0.148	28
Acrylonitrile	45.9	5.00	ug/L	50.00	ND	91.9	40-160	0.131	28
trans-1,2-Dichloroethene	54.4	5.00	ug/L	50.00	ND	109	54-156	3.74	28
1,1-Dichloroethane	50.4	5.00	ug/L	50.00	ND	101	59-155	2.88	28
Chloroform	59.5	5.00	ug/L	50.00	6.26	107	51-138	3.32	28
1,1,1-Trichloroethane	56.6	5.00	ug/L	50.00	ND	113	52-162	3.63	28
Carbon Tetrachloride	60.6	5.00	ug/L	50.00	ND	121	70-140	4.66	28
1,2-Dichloroethane	50.5	5.00	ug/L	50.00	ND	101	49-155	3.71	28
Benzene	50.2	5.00	ug/L	50.00	ND	100	37-151	0.940	28
Trichloroethene	52.0	5.00	ug/L	50.00	ND	104	70-157	2.16	28
1,2-Dichloropropane	48.3	5.00	ug/L	50.00	ND	96.6	74-210	2.71	28
Bromodichloromethane	52.6	5.00	ug/L	50.00	ND	105	35-155	2.11	28
cis-1,3-Dichloropropene	51.8	5.00	ug/L	50.00	ND	104	80-227	1.01	28
Toluene	52.2	5.00	ug/L	50.00	ND	104	47-150	2.03	28
trans-1,3-Dichloropropene	53.1	5.00	ug/L	50.00	ND	106	17-183	1.92	28
1,1,2-Trichloroethane	48.6	5.00	ug/L	50.00	ND	97.3	52-150	2.48	28
Tetrachloroethene	53.3	5.00	ug/L	50.00	ND	107	64-148	3.63	28
Dibromochloromethane	52.2	5.00	ug/L	50.00	ND	104	53-149	3.84	28
Chlorobenzene	50.2	5.00	ug/L	50.00	ND	100	37-160	2.73	28
Ethylbenzene	50.9	5.00	ug/L	50.00	ND	102	37-162	2.01	28
Bromoform	55.2	5.00	ug/L	50.00	ND	110	45-169	3.43	28
1,1,2,2-Tetrachloroethane	48.1	5.00	ug/L	50.00	ND	96.3	46-157	3.02	28
1,3-Dichlorobenzene	51.7	5.00	ug/L	50.00	ND	103	59-156	2.35	28
1,4-Dichlorobenzene	51.9	5.00	ug/L	50.00	ND	104	18-190	2.70	28
1,2-Dichlorobenzene	51.5	5.00	ug/L	50.00	ND	103	18-190	2.77	28
Surrogate: 1,4-Difluorobenzene	*101*		ug/L	*100.0*		*101*	*60-140*		
Surrogate: 2-Bromo-1-Chloropropane	*102*		ug/L	*100.0*		*102*	*60-140*		
Surrogate: 1,4-Dichlorobutane	*91.4*		ug/L	*100.0*		*91.4*	*60-140*		

Final Report

Project: Alta Metal Finishing, Inc. - 2409024

Project Number: 2409024

NVOA GCMS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B409077									
Blank (B409077-BLK1)									
1,4-Dioxane	--- U	2.00	ug/L						
N-Nitrosodimethylamine	--- U	5.00	ug/L						
Benzaldehyde	--- U	5.00	ug/L						
Phenol	--- U	5.00	ug/L						
Bis(2-Chloroethyl)Ether	--- U	5.00	ug/L						
2-Chlorophenol	--- U	5.00	ug/L						
2-Methylphenol	--- U	5.00	ug/L						
Bis(2-Chloroisopropyl)Ether	--- U	5.00	ug/L						
Acetophenone	--- U	5.00	ug/L						
4-Methylphenol	--- U	5.00	ug/L						
N-Nitroso-Di-N-Propylamine	--- U	5.00	ug/L						
Hexachloroethane	--- U	5.00	ug/L						
Nitrobenzene	--- U	5.00	ug/L						
Isophorone	--- U	5.00	ug/L						
2-Nitrophenol	--- U	5.00	ug/L						
2,4-Dimethylphenol	--- U	5.00	ug/L						
Bis(-2-Chloroethoxy)Methane	--- U	5.00	ug/L						
2,4-Dichlorophenol	--- U	5.00	ug/L						
1,2,4-Trichlorobenzene	--- U	5.00	ug/L						
Hexachlorobutadiene	--- U	5.00	ug/L						
Naphthalene	--- U	5.00	ug/L						
4-Chloroaniline	--- U	5.00	ug/L						
Caprolactam	--- U	5.00	ug/L						
4-Chloro-3-Methylphenol	--- U	5.00	ug/L						
2-Methylnaphthalene	--- U	5.00	ug/L						
1,2,4,5-Tetrachlorobenzene	--- U	5.00	ug/L						
Hexachlorocyclopentadiene	--- U	5.00	ug/L						
2,4,6-Trichlorophenol	--- U	5.00	ug/L						
2,4,5-Trichlorophenol	--- U	5.00	ug/L						
Biphenyl	--- U	5.00	ug/L						
2-Chloronaphthalene	--- U	5.00	ug/L						
2-Nitroaniline	--- U	5.00	ug/L						
Dimethyl Phthalate	--- U	5.00	ug/L						
Acenaphthylene	--- U	5.00	ug/L						
2,6-Dinitrotoluene	--- U	5.00	ug/L						

Final Report

Project: Alta Metal Finishing, Inc. - 2409024

Project Number: 2409024

NVOA GCMS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B409077									
Blank (B409077-BLK1)									
3-Nitroaniline	--- U	5.00	ug/L						
Acenaphthene	--- U	5.00	ug/L						
2,4-Dinitrophenol	--- U	5.00	ug/L						
4-Nitrophenol	--- U	5.00	ug/L						
Dibenzofuran	--- U	5.00	ug/L						
2,4-Dinitrotoluene	--- U	5.00	ug/L						
2,3,4,6-Tetrachlorophenol	--- U	5.00	ug/L						
Fluorene	--- U	5.00	ug/L						
Diethylphthalate	--- U	5.00	ug/L						
4-Chlorophenyl-Phenylether	--- U	5.00	ug/L						
4-Nitroaniline	--- U	5.00	ug/L						
4,6-Dinitro-2-Methylphenol	--- U	5.00	ug/L						
N-Nitrosodiphenylamine	--- U	5.00	ug/L						
4-Bromophenyl-Phenylether	--- U	5.00	ug/L						
Hexachlorobenzene	--- U	5.00	ug/L						
Atrazine	--- U	5.00	ug/L						
Pentachlorophenol	--- U	5.00	ug/L						
Phenanthrene	--- U	5.00	ug/L						
Anthracene	--- U	5.00	ug/L						
Carbazole	--- U	5.00	ug/L						
Di-N-Butyl Phthalate	--- U	5.00	ug/L						
Fluoranthene	--- U	5.00	ug/L						
Pyrene	--- U	5.00	ug/L						
Butylbenzylphthalate	--- U	5.00	ug/L						
3,3'- Dichlorobenzidine	--- U	5.00	ug/L						
Benzo(A)Anthracene	--- U	5.00	ug/L						
Chrysene	--- U	5.00	ug/L						
Bis(2-Ethylhexyl)Phthalate	--- U	5.00	ug/L						
Di-N-Octyl Phthalate	--- U	5.00	ug/L						
Benzo(B)Fluoranthene	--- U	5.00	ug/L						
Benzo(K)Fluoranthene	--- U	5.00	ug/L						
Benzo(A)Pyrene	--- U	5.00	ug/L						
Indeno(1,2,3-Cd)Pyrene	--- U	5.00	ug/L						
Dibenzo(A,H)Anthracene	--- U	5.00	ug/L						
Benzo(G,H,I)Perylene	--- U	5.00	ug/L						

Final Report

Project: Alta Metal Finishing, Inc. - 2409024

Project Number: 2409024

NVOA GCMS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B409077									
Blank (B409077-BLK1)									
Surrogate: 1,4-Dioxane-D8	*14.2*		ug/L	*50.00*		*28.4*	*20-120*		
Surrogate: 2-Fluoroaniline	*23.9*		ug/L	*50.00*		*47.8*	*30-120*		
Surrogate: Phenol-D6	*12.6*		ug/L	*50.00*		*25.2*	*20-120*		
Surrogate: Naphthalene-D8	*29.0*		ug/L	*50.00*		*58.0*	*30-120*		
Surrogate: 1-Fluoronaphthalene	*28.6*		ug/L	*50.00*		*57.1*	*30-120*		
Surrogate: 2,4-Dibromophenol	*30.5*		ug/L	*50.00*		*60.9*	*20-120*		
Surrogate: Anthracene-D10	*48.8*		ug/L	*50.00*		*97.7*	*30-120*		
Surrogate: Chrysene-D12	*49.6*		ug/L	*50.00*		*99.2*	*30-120*		
LCS (B409077-BS1)									
1,4-Dioxane	16.8	2.00	ug/L	50.00		33.5	7-106		
N-Nitrosodimethylamine	19.2	5.00	ug/L	50.00		38.4	17-127		
Benzaldehyde	36.0	5.00	ug/L	50.00		71.9	8-154		
Phenol	13.0	5.00	ug/L	50.00		26.0	5-112		
Bis(2-Chloroethyl)Ether	29.8	5.00	ug/L	50.00		59.6	12-158		
2-Chlorophenol	27.6	5.00	ug/L	50.00		55.2	23-134		
2-Methylphenol	26.8	5.00	ug/L	50.00		53.7	40-112		
Bis(2-Chloroisopropyl)Ether	29.4	5.00	ug/L	50.00		58.7	36-166		
Acetophenone	27.4	5.00	ug/L	50.00		54.9	43-121		
4-Methylphenol	21.0	5.00	ug/L	50.00		42.1	34-116		
N-Nitroso-Di-N-Propylamine	27.8	5.00	ug/L	50.00		55.6	43-230		
Hexachloroethane	22.6	5.00	ug/L	50.00		45.2	40-120		
Nitrobenzene	30.7	5.00	ug/L	50.00		61.4	35-180		
Isophorone	29.4	5.00	ug/L	50.00		58.7	21-196		
2-Nitrophenol	28.7	5.00	ug/L	50.00		57.5	29-182		
2,4-Dimethylphenol	25.4	5.00	ug/L	50.00		50.7	32-120		
Bis(-2-Chloroethoxy)Methane	29.8	5.00	ug/L	50.00		59.5	33-184		
2,4-Dichlorophenol	28.9	5.00	ug/L	50.00		57.8	39-135		
1,2,4-Trichlorobenzene	24.7	5.00	ug/L	50.00		49.4	44-142		
Hexachlorobutadiene	23.9	5.00	ug/L	50.00		47.8	24-120		
Naphthalene	27.6	5.00	ug/L	50.00		55.3	21-133		
4-Chloroaniline	10.7	5.00	ug/L	50.00		21.4	26-172		
Caprolactam	6.16	5.00	ug/L	50.00		12.3	0-143		
4-Chloro-3-Methylphenol	30.0	5.00	ug/L	50.00		59.9	22-147		
2-Methylnaphthalene	27.1	5.00	ug/L	50.00		54.2	41-126		

Final Report

Project: Alta Metal Finishing, Inc. - 2409024

Project Number: 2409024

NVOA GCMS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B409077									
LCS (B409077-BS1)									
1,2,4,5-Tetrachlorobenzene	29.6	5.00	ug/L	50.00		59.3	36-124		
Hexachlorocyclopentadiene	14.2	5.00	ug/L	50.00		28.4	15-76		
2,4,6-Trichlorophenol	29.8	5.00	ug/L	50.00		59.5	37-144		
2,4,5-Trichlorophenol	29.9	5.00	ug/L	50.00		59.8	40-129		
Biphenyl	29.9	5.00	ug/L	50.00		59.9	41-122		
2-Chloronaphthalene	30.1	5.00	ug/L	50.00		60.2	60-120		
2-Nitroaniline	31.5	5.00	ug/L	50.00		63.0	35-136		
Dimethyl Phthalate	20.9	5.00	ug/L	50.00		41.7	38-120		
Acenaphthylene	25.1	5.00	ug/L	50.00		50.2	33-145		
2,6-Dinitrotoluene	35.0	5.00	ug/L	50.00		70.0	50-158		
3-Nitroaniline	12.1	5.00	ug/L	50.00		24.1	31-141		
Acenaphthene	31.2	5.00	ug/L	50.00		62.4	47-145		
2,4-Dinitrophenol	12.9	5.00	ug/L	50.00		25.8	21-191		
4-Nitrophenol	14.2	5.00	ug/L	50.00		28.4	9-132		
Dibenzofuran	34.3	5.00	ug/L	50.00		68.5	40-131		
2,4-Dinitrotoluene	38.7	5.00	ug/L	50.00		77.4	39-139		
2,3,4,6-Tetrachlorophenol	36.6	5.00	ug/L	50.00		73.3	38-136		
Fluorene	36.8	5.00	ug/L	50.00		73.7	59-121		
Diethylphthalate	32.1	5.00	ug/L	50.00		64.3	31-114		
4-Chlorophenyl-Phenylether	34.7	5.00	ug/L	50.00		69.4	25-158		
4-Nitroaniline	22.6	5.00	ug/L	50.00		45.1	39-123		
4,6-Dinitro-2-Methylphenol	24.8	5.00	ug/L	50.00		49.7	17-181		
N-Nitrosodiphenylamine	9.36	5.00	ug/L	50.00		18.7	79-139		
4-Bromophenyl-Phenylether	35.8	5.00	ug/L	50.00		71.6	53-127		
Hexachlorobenzene	38.6	5.00	ug/L	50.00		77.3	35-152		
Atrazine	34.3	5.00	ug/L	50.00		68.5	23-152		
Pentachlorophenol	28.3	5.00	ug/L	50.00		56.5	14-176		
Phenanthrene	39.6	5.00	ug/L	50.00		79.2	54-120		
Anthracene	37.7	5.00	ug/L	50.00		75.3	27-133		
Carbazole	28.4	5.00	ug/L	50.00		56.8	38-131		
Di-N-Butyl Phthalate	40.6	5.00	ug/L	50.00		81.3	1-120		
Fluoranthene	39.7	5.00	ug/L	50.00		79.3	26-137		
Pyrene	41.0	5.00	ug/L	50.00		82.0	52-120		
Butylbenzylphthalate	36.8	5.00	ug/L	50.00		73.7	38-152		
3,3'- Dichlorobenzidine	11.6	5.00	ug/L	50.00		23.2	38-262		

Final Report

Project: Alta Metal Finishing, Inc. - 2409024

Project Number: 2409024

NVOA GCMS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B409077									
LCS (B409077-BS1)									
Benzo(A)Anthracene	36.1	5.00	ug/L	50.00		72.1	33-143		
Chrysene	37.4	5.00	ug/L	50.00		74.7	17-168		
Bis(2-Ethylhexyl)Phthalate	38.9	5.00	ug/L	50.00		77.9	8-158		
Di-N-Octyl Phthalate	36.8	5.00	ug/L	50.00		73.6	4-146		
Benzo(B)Fluoranthene	39.8	5.00	ug/L	50.00		79.6	24-159		
Benzo(K)Fluoranthene	39.2	5.00	ug/L	50.00		78.4	11-162		
Benzo(A)Pyrene	32.4	5.00	ug/L	50.00		64.9	17-163		
Indeno(1,2,3-Cd)Pyrene	46.4	5.00	ug/L	50.00		92.7	39-171		
Dibenzo(A,H)Anthracene	53.6	5.00	ug/L	50.00		107	33-227		
Benzo(G,H,I)Perylene	41.8	5.00	ug/L	50.00		83.6	35-219		
Surrogate: 1,4-Dioxane-D8	*15.7*		ug/L	*50.00*		*31.4*	*20-120*		
Surrogate: 2-Fluoroaniline	*14.7*		ug/L	*50.00*		*29.3*	*30-120*		
Surrogate: Phenol-D6	*12.5*		ug/L	*50.00*		*25.1*	*20-120*		
Surrogate: Naphthalene-D8	*30.5*		ug/L	*50.00*		*60.9*	*30-120*		
Surrogate: 1-Fluoronaphthalene	*29.8*		ug/L	*50.00*		*59.6*	*30-120*		
Surrogate: 2,4-Dibromophenol	*31.6*		ug/L	*50.00*		*63.1*	*20-120*		
Surrogate: Anthracene-D10	*35.0*		ug/L	*50.00*		*70.0*	*30-120*		
Surrogate: Chrysene-D12	*36.2*		ug/L	*50.00*		*72.4*	*30-120*		
LCS Dup (B409077-BSD1)									
1,4-Dioxane	22.6	2.00	ug/L	50.00		45.2	7-106	29.7	30
N-Nitrosodimethylamine	27.3	5.00	ug/L	50.00		54.6	17-127	34.9	30
Benzaldehyde	10.2	5.00	ug/L	50.00		20.5	8-154	111	30
Phenol	18.8	5.00	ug/L	50.00		37.7	5-112	36.5	30
Bis(2-Chloroethyl)Ether	41.0	5.00	ug/L	50.00		81.9	12-158	31.5	30
2-Chlorophenol	39.2	5.00	ug/L	50.00		78.4	23-134	34.8	30
2-Methylphenol	36.8	5.00	ug/L	50.00		73.5	40-112	31.2	30
Bis(2-Chloroisopropyl)Ether	39.6	5.00	ug/L	50.00		79.3	36-166	29.8	30
Acetophenone	38.0	5.00	ug/L	50.00		75.9	43-121	32.2	30
4-Methylphenol	30.2	5.00	ug/L	50.00		60.4	34-116	35.7	30
N-Nitroso-Di-N-Propylamine	39.6	5.00	ug/L	50.00		79.3	43-230	35.1	30
Hexachloroethane	33.5	5.00	ug/L	50.00		66.9	40-120	38.7	30
Nitrobenzene	42.9	5.00	ug/L	50.00		85.8	35-180	33.2	30
Isophorone	41.6	5.00	ug/L	50.00		83.1	21-196	34.4	30
2-Nitrophenol	43.0	5.00	ug/L	50.00		86.0	29-182	39.8	30

Final Report

Project: Alta Metal Finishing, Inc. - 2409024

Project Number: 2409024

NVOA GCMS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B409077									
LCS Dup (B409077-BSD1)									
2,4-Dimethylphenol	23.8	5.00	ug/L	50.00		47.6	32-120	6.39	30
Bis(-2-Chloroethoxy)Methane	41.2	5.00	ug/L	50.00		82.5	33-184	32.3	30
2,4-Dichlorophenol	40.4	5.00	ug/L	50.00		80.9	39-135	33.4	30
1,2,4-Trichlorobenzene	34.8	5.00	ug/L	50.00		69.6	44-142	33.8	30
Hexachlorobutadiene	34.2	5.00	ug/L	50.00		68.4	24-120	35.5	30
Naphthalene	39.1	5.00	ug/L	50.00		78.2	21-133	34.4	30
4-Chloroaniline	28.0	5.00	ug/L	50.00		56.0	26-172	89.4	30
Caprolactam	11.1	5.00	ug/L	50.00		22.2	0-143	57.2	30
4-Chloro-3-Methylphenol	41.3	5.00	ug/L	50.00		82.6	22-147	31.8	30
2-Methylnaphthalene	36.6	5.00	ug/L	50.00		73.3	41-126	30.0	30
1,2,4,5-Tetrachlorobenzene	39.1	5.00	ug/L	50.00		78.1	36-124	27.4	30
Hexachlorocyclopentadiene	21.6	5.00	ug/L	50.00		43.1	15-76	41.2	30
2,4,6-Trichlorophenol	41.5	5.00	ug/L	50.00		83.1	37-144	33.0	30
2,4,5-Trichlorophenol	41.4	5.00	ug/L	50.00		82.9	40-129	32.3	30
Biphenyl	39.4	5.00	ug/L	50.00		78.8	41-122	27.4	30
2-Chloronaphthalene	39.9	5.00	ug/L	50.00		79.7	60-120	28.0	30
2-Nitroaniline	45.4	5.00	ug/L	50.00		90.7	35-136	36.1	30
Dimethyl Phthalate	27.8	5.00	ug/L	50.00		55.6	38-120	28.5	30
Acenaphthylene	35.0	5.00	ug/L	50.00		70.1	33-145	33.1	30
2,6-Dinitrotoluene	45.9	5.00	ug/L	50.00		91.7	50-158	26.9	30
3-Nitroaniline	45.1	5.00	ug/L	50.00		90.2	31-141	116	30
Acenaphthene	40.9	5.00	ug/L	50.00		81.7	47-145	26.8	30
2,4-Dinitrophenol	23.2	5.00	ug/L	50.00		46.4	21-191	57.2	30
4-Nitrophenol	20.6	5.00	ug/L	50.00		41.1	9-132	36.8	30
Dibenzofuran	43.8	5.00	ug/L	50.00		87.7	40-131	24.5	30
2,4-Dinitrotoluene	51.7	5.00	ug/L	50.00		103	39-139	28.7	30
2,3,4,6-Tetrachlorophenol	52.7	5.00	ug/L	50.00		105	38-136	35.9	30
Fluorene	49.0	5.00	ug/L	50.00		98.0	59-121	28.3	30
Diethylphthalate	42.8	5.00	ug/L	50.00		85.6	31-114	28.5	30
4-Chlorophenyl-Phenylether	47.0	5.00	ug/L	50.00		94.0	25-158	30.1	30
4-Nitroaniline	57.1	5.00	ug/L	50.00		114	39-123	86.7	30
4,6-Dinitro-2-Methylphenol	42.6	5.00	ug/L	50.00		85.2	17-181	52.7	30
N-Nitrosodiphenylamine	55.1	5.00	ug/L	50.00		110	79-139	142	30
4-Bromophenyl-Phenylether	46.9	5.00	ug/L	50.00		93.7	53-127	26.7	30
Hexachlorobenzene	48.5	5.00	ug/L	50.00		97.0	35-152	22.7	30

NOTE: The results recorded in this report relate only to the samples as received on the date and at the time noted

Final Report

Project: Alta Metal Finishing, Inc. - 2409024

Project Number: 2409024

NVOA GCMS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B409077									
LCS Dup (B409077-BSD1)									
Atrazine	46.1	5.00	ug/L	50.00		92.2	23-152	29.4	30
Pentachlorophenol	40.9	5.00	ug/L	50.00		81.7	14-176	36.4	30
Phenanthrene	50.2	5.00	ug/L	50.00		100	54-120	23.7	30
Anthracene	48.3	5.00	ug/L	50.00		96.6	27-133	24.8	30
Carbazole	47.8	5.00	ug/L	50.00		95.6	38-131	50.9	30
Di-N-Butyl Phthalate	51.6	5.00	ug/L	50.00		103	1-120	23.8	30
Fluoranthene	49.4	5.00	ug/L	50.00		98.7	26-137	21.8	30
Pyrene	51.1	5.00	ug/L	50.00		102	52-120	21.9	30
Butylbenzylphthalate	47.2	5.00	ug/L	50.00		94.4	38-152	24.7	30
3,3'- Dichlorobenzidine	47.1	5.00	ug/L	50.00		94.1	38-262	121	30
Benzo(A)Anthracene	44.9	5.00	ug/L	50.00		89.8	33-143	21.9	30
Chrysene	46.0	5.00	ug/L	50.00		92.0	17-168	20.8	30
Bis(2-Ethylhexyl)Phthalate	51.4	5.00	ug/L	50.00		103	8-158	27.5	30
Di-N-Octyl Phthalate	48.6	5.00	ug/L	50.00		97.1	4-146	27.5	30
Benzo(B)Fluoranthene	50.1	5.00	ug/L	50.00		100	24-159	22.9	30
Benzo(K)Fluoranthene	49.3	5.00	ug/L	50.00		98.5	11-162	22.8	30
Benzo(A)Pyrene	43.1	5.00	ug/L	50.00		86.1	17-163	28.2	30
Indeno(1,2,3-Cd)Pyrene	57.7	5.00	ug/L	50.00		115	39-171	21.8	30
Dibenzo(A,H)Anthracene	66.9	5.00	ug/L	50.00		134	33-227	22.0	30
Benzo(G,H,I)Perylene	51.5	5.00	ug/L	50.00		103	35-219	20.7	30
Surrogate: 1,4-Dioxane-D8	*21.2*		ug/L	*50.00*		*42.5*	*20-120*		
Surrogate: 2-Fluoroaniline	*36.2*		ug/L	*50.00*		*72.5*	*30-120*		
Surrogate: Phenol-D6	*17.8*		ug/L	*50.00*		*35.7*	*20-120*		
Surrogate: Naphthalene-D8	*40.8*		ug/L	*50.00*		*81.5*	*30-120*		
Surrogate: 1-Fluoronaphthalene	*40.6*		ug/L	*50.00*		*81.1*	*30-120*		
Surrogate: 2,4-Dibromophenol	*41.7*		ug/L	*50.00*		*83.4*	*20-120*		
Surrogate: Anthracene-D10	*45.0*		ug/L	*50.00*		*90.0*	*30-120*		
Surrogate: Chrysene-D12	*43.8*		ug/L	*50.00*		*87.6*	*30-120*		

Final Report

Project: Alta Metal Finishing, Inc. - 2409024

Project Number: 2409024

NVOA GCMS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B409077									
Matrix Spike (B409077-MS1)	**Source: 2409024-01**								
1,4-Dioxane	25.2	1.95	ug/L	48.78	2.29	47.0	7-106		
N-Nitrosodimethylamine	27.7	4.88	ug/L	48.78	ND	56.8	17-127		
Benzaldehyde	19.5	4.88	ug/L	48.78	ND	39.9	8-154		
Phenol	21.8	4.88	ug/L	48.78	2.50	39.6	5-112		
Bis(2-Chloroethyl)Ether	40.2	4.88	ug/L	48.78	ND	82.4	12-158		
2-Chlorophenol	41.0	4.88	ug/L	48.78	ND	84.1	23-134		
2-Methylphenol	39.0	4.88	ug/L	48.78	ND	80.0	40-112		
Bis(2-Chloroisopropyl)Ether	38.9	4.88	ug/L	48.78	ND	79.8	36-166		
Acetophenone	39.4	4.88	ug/L	48.78	ND	80.7	43-121		
4-Methylphenol	39.2	4.88	ug/L	48.78	ND	80.4	34-116		
N-Nitroso-Di-N-Propylamine	42.4	4.88	ug/L	48.78	ND	87.0	43-230		
Hexachloroethane	33.4	4.88	ug/L	48.78	ND	68.5	40-120		
Nitrobenzene	43.4	4.88	ug/L	48.78	ND	88.9	35-180		
Isophorone	41.6	4.88	ug/L	48.78	ND	85.2	21-196		
2-Nitrophenol	46.1	4.88	ug/L	48.78	ND	94.5	29-182		
2,4-Dimethylphenol	77.4	4.88	ug/L	48.78	33.5	90.0	32-120		
Bis(-2-Chloroethoxy)Methane	40.6	4.88	ug/L	48.78	ND	83.2	33-184		
2,4-Dichlorophenol	43.0	4.88	ug/L	48.78	ND	88.2	39-135		
1,2,4-Trichlorobenzene	36.7	4.88	ug/L	48.78	ND	75.2	44-142		
Hexachlorobutadiene	34.7	4.88	ug/L	48.78	ND	71.2	24-120		
Naphthalene	38.6	4.88	ug/L	48.78	ND	79.2	21-133		
4-Chloroaniline	12.9	4.88	ug/L	48.78	ND	26.4	26-172		
Caprolactam	19.2	4.88	ug/L	48.78	3.92	31.3	0-143		
4-Chloro-3-Methylphenol	42.5	4.88	ug/L	48.78	ND	87.2	22-147		
2-Methylnaphthalene	40.1	4.88	ug/L	48.78	ND	82.1	41-126		
1,2,4,5-Tetrachlorobenzene	39.6	4.88	ug/L	48.78	ND	81.1	36-124		
Hexachlorocyclopentadiene	39.3	4.88	ug/L	48.78	ND	80.6	15-76		
2,4,6-Trichlorophenol	44.3	4.88	ug/L	48.78	ND	90.7	37-144		
2,4,5-Trichlorophenol	43.3	4.88	ug/L	48.78	ND	88.8	40-129		
Biphenyl	40.5	4.88	ug/L	48.78	ND	83.0	41-122		
2-Chloronaphthalene	39.8	4.88	ug/L	48.78	ND	81.5	60-120		
2-Nitroaniline	48.3	4.88	ug/L	48.78	ND	98.9	35-136		
Dimethyl Phthalate	32.2	4.88	ug/L	48.78	ND	66.1	38-120		
Acenaphthylene	42.0	4.88	ug/L	48.78	ND	86.2	33-145		
2,6-Dinitrotoluene	45.9	4.88	ug/L	48.78	ND	94.1	50-158		

Final Report

Project: Alta Metal Finishing, Inc. - 2409024

Project Number: 2409024

NVOA GCMS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B409077									
Matrix Spike (B409077-MS1)	**Source: 2409024-01**								
3-Nitroaniline	34.5	4.88	ug/L	48.78	ND	70.8	31-141		
Acenaphthene	40.8	4.88	ug/L	48.78	ND	83.6	47-145		
2,4-Dinitrophenol	61.1	4.88	ug/L	48.78	ND	125	21-191		
4-Nitrophenol	23.7	4.88	ug/L	48.78	ND	48.5	9-132		
Dibenzofuran	39.7	4.88	ug/L	48.78	ND	81.4	40-131		
2,4-Dinitrotoluene	47.2	4.88	ug/L	48.78	ND	96.7	39-139		
2,3,4,6-Tetrachlorophenol	52.3	4.88	ug/L	48.78	ND	107	38-136		
Fluorene	43.1	4.88	ug/L	48.78	ND	88.4	59-121		
Diethylphthalate	41.0	4.88	ug/L	48.78	ND	84.1	31-114		
4-Chlorophenyl-Phenylether	41.8	4.88	ug/L	48.78	ND	85.7	25-158		
4-Nitroaniline	48.3	4.88	ug/L	48.78	ND	99.0	39-123		
4,6-Dinitro-2-Methylphenol	54.6	4.88	ug/L	48.78	ND	112	17-181		
N-Nitrosodiphenylamine	44.5	4.88	ug/L	48.78	ND	91.2	79-139		
4-Bromophenyl-Phenylether	42.4	4.88	ug/L	48.78	ND	87.0	53-127		
Hexachlorobenzene	41.2	4.88	ug/L	48.78	ND	84.6	35-152		
Atrazine	43.6	4.88	ug/L	48.78	ND	89.3	23-152		
Pentachlorophenol	55.9	4.88	ug/L	48.78	ND	115	14-176		
Phenanthrene	43.8	4.88	ug/L	48.78	ND	89.9	54-120		
Anthracene	42.3	4.88	ug/L	48.78	ND	86.7	27-133		
Carbazole	46.3	4.88	ug/L	48.78	ND	95.0	38-131		
Di-N-Butyl Phthalate	50.0	4.88	ug/L	48.78	ND	103	1-120		
Fluoranthene	47.3	4.88	ug/L	48.78	ND	97.0	26-137		
Pyrene	47.4	4.88	ug/L	48.78	ND	97.2	52-120		
Butylbenzylphthalate	58.4	4.88	ug/L	48.78	ND	120	38-152		
3,3'- Dichlorobenzidine	4.45	4.88	ug/L	48.78	ND	9.12	38-262		
Benzo(A)Anthracene	38.0	4.88	ug/L	48.78	ND	78.0	33-143		
Chrysene	39.2	4.88	ug/L	48.78	ND	80.4	17-168		
Bis(2-Ethylhexyl)Phthalate	58.7	4.88	ug/L	48.78	ND	120	8-158		
Di-N-Octyl Phthalate	61.6	4.88	ug/L	48.78	ND	126	4-146		
Benzo(B)Fluoranthene	46.8	4.88	ug/L	48.78	ND	95.9	24-159		
Benzo(K)Fluoranthene	42.6	4.88	ug/L	48.78	ND	87.4	11-162		
Benzo(A)Pyrene	45.7	4.88	ug/L	48.78	ND	93.6	17-163		
Indeno(1,2,3-Cd)Pyrene	51.9	4.88	ug/L	48.78	ND	106	39-171		
Dibenzo(A,H)Anthracene	50.2	4.88	ug/L	48.78	ND	103	33-227		
Benzo(G,H,I)Perylene	50.2	4.88	ug/L	48.78	ND	103	35-219		

Final Report

Project: Alta Metal Finishing, Inc. - 2409024

Project Number: 2409024

NVOA GCMS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B409077									
Matrix Spike (B409077-MS1)	**Source: 2409024-01**								
Surrogate: 1,4-Dioxane-D8	*21.3*		ug/L	*48.78*		*43.6*	*20-120*		
Surrogate: 2-Fluoroaniline	*30.5*		ug/L	*48.78*		*62.6*	*30-120*		
Surrogate: Phenol-D6	*18.0*		ug/L	*48.78*		*36.9*	*20-120*		
Surrogate: Naphthalene-D8	*40.0*		ug/L	*48.78*		*82.1*	*30-120*		
Surrogate: 1-Fluoronaphthalene	*39.7*		ug/L	*48.78*		*81.4*	*30-120*		
Surrogate: 2,4-Dibromophenol	*42.5*		ug/L	*48.78*		*87.2*	*20-120*		
Surrogate: Anthracene-D10	*38.6*		ug/L	*48.78*		*79.2*	*30-120*		
Surrogate: Chrysene-D12	*30.9*		ug/L	*48.78*		*63.4*	*30-120*		
Matrix Spike Dup (B409077-MSD1)	**Source: 2409024-01**								
1,4-Dioxane	13.2	1.98	ug/L	49.50	2.29	22.0	7-106	62.7	24
N-Nitrosodimethylamine	15.5	4.95	ug/L	49.50	ND	31.4	17-127	56.3	24
Benzaldehyde	12.6	4.95	ug/L	49.50	ND	25.5	8-154	42.7	24
Phenol	16.5	4.95	ug/L	49.50	2.50	28.3	5-112	27.8	24
Bis(2-Chloroethyl)Ether	24.0	4.95	ug/L	49.50	ND	48.5	12-158	50.4	24
2-Chlorophenol	28.3	4.95	ug/L	49.50	ND	57.1	23-134	36.8	24
2-Methylphenol	30.4	4.95	ug/L	49.50	ND	61.4	40-112	24.9	24
Bis(2-Chloroisopropyl)Ether	23.4	4.95	ug/L	49.50	ND	47.3	36-166	49.8	24
Acetophenone	26.2	4.95	ug/L	49.50	ND	52.9	43-121	40.3	24
4-Methylphenol	32.0	4.95	ug/L	49.50	ND	64.6	34-116	20.3	24
N-Nitroso-Di-N-Propylamine	29.3	4.95	ug/L	49.50	ND	59.1	43-230	36.7	24
Hexachloroethane	14.0	4.95	ug/L	49.50	ND	28.3	40-120	82.0	24
Nitrobenzene	27.9	4.95	ug/L	49.50	ND	56.4	35-180	43.4	24
Isophorone	30.3	4.95	ug/L	49.50	ND	61.3	21-196	31.2	24
2-Nitrophenol	32.8	4.95	ug/L	49.50	ND	66.3	29-182	33.7	24
2,4-Dimethylphenol	64.6	4.95	ug/L	49.50	33.5	62.8	32-120	18.0	24
Bis(-2-Chloroethoxy)Methane	28.7	4.95	ug/L	49.50	ND	58.0	33-184	34.3	24
2,4-Dichlorophenol	36.1	4.95	ug/L	49.50	ND	73.0	39-135	17.4	24
1,2,4-Trichlorobenzene	20.5	4.95	ug/L	49.50	ND	41.4	44-142	56.6	24
Hexachlorobutadiene	17.7	4.95	ug/L	49.50	ND	35.8	24-120	64.7	24
Naphthalene	23.8	4.95	ug/L	49.50	ND	48.1	21-133	47.4	24
4-Chloroaniline	11.7	4.95	ug/L	49.50	ND	23.6	26-172	9.64	24
Caprolactam	18.0	4.95	ug/L	49.50	3.92	28.5	0-143	6.23	24
4-Chloro-3-Methylphenol	40.0	4.95	ug/L	49.50	ND	80.7	22-147	6.22	24
2-Methylnaphthalene	27.7	4.95	ug/L	49.50	ND	56.0	41-126	36.4	24

Final Report

Project: Alta Metal Finishing, Inc. - 2409024

Project Number: 2409024

NVOA GCMS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B409077									
Matrix Spike Dup (B409077-MSD1)	**Source: 2409024-01**								
1,2,4,5-Tetrachlorobenzene	27.9	4.95	ug/L	49.50	ND	56.3	36-124	34.6	24
Hexachlorocyclopentadiene	23.4	4.95	ug/L	49.50	ND	47.3	15-76	50.8	24
2,4,6-Trichlorophenol	40.8	4.95	ug/L	49.50	ND	82.5	37-144	8.04	24
2,4,5-Trichlorophenol	41.1	4.95	ug/L	49.50	ND	83.0	40-129	5.21	24
Biphenyl	31.6	4.95	ug/L	49.50	ND	63.8	41-122	24.7	24
2-Chloronaphthalene	30.3	4.95	ug/L	49.50	ND	61.2	60-120	26.9	24
2-Nitroaniline	45.3	4.95	ug/L	49.50	ND	91.5	35-136	6.32	24
Dimethyl Phthalate	28.7	4.95	ug/L	49.50	ND	57.9	38-120	11.7	24
Acenaphthylene	35.2	4.95	ug/L	49.50	ND	71.1	33-145	17.7	24
2,6-Dinitrotoluene	42.6	4.95	ug/L	49.50	ND	86.1	50-158	7.36	24
3-Nitroaniline	32.4	4.95	ug/L	49.50	ND	65.4	31-141	6.45	24
Acenaphthene	34.2	4.95	ug/L	49.50	ND	69.0	47-145	17.6	24
2,4-Dinitrophenol	55.7	4.95	ug/L	49.50	ND	113	21-191	9.13	24
4-Nitrophenol	23.6	4.95	ug/L	49.50	ND	47.6	9-132	0.397	24
Dibenzofuran	34.5	4.95	ug/L	49.50	ND	69.6	40-131	14.2	24
2,4-Dinitrotoluene	46.6	4.95	ug/L	49.50	ND	94.1	39-139	1.34	24
2,3,4,6-Tetrachlorophenol	52.2	4.95	ug/L	49.50	ND	105	38-136	0.181	24
Fluorene	40.7	4.95	ug/L	49.50	ND	82.2	59-121	5.77	24
Diethylphthalate	39.5	4.95	ug/L	49.50	ND	79.8	31-114	3.80	24
4-Chlorophenyl-Phenylether	39.4	4.95	ug/L	49.50	ND	79.6	25-158	5.89	24
4-Nitroaniline	48.0	4.95	ug/L	49.50	ND	97.0	39-123	0.607	24
4,6-Dinitro-2-Methylphenol	53.2	4.95	ug/L	49.50	ND	107	17-181	2.65	24
N-Nitrosodiphenylamine	43.5	4.95	ug/L	49.50	ND	87.8	79-139	2.32	24
4-Bromophenyl-Phenylether	41.4	4.95	ug/L	49.50	ND	83.7	53-127	2.37	24
Hexachlorobenzene	40.5	4.95	ug/L	49.50	ND	81.8	35-152	1.89	24
Atrazine	42.7	4.95	ug/L	49.50	ND	86.3	23-152	1.94	24
Pentachlorophenol	55.3	4.95	ug/L	49.50	ND	112	14-176	1.04	24
Phenanthrene	43.4	4.95	ug/L	49.50	ND	87.6	54-120	1.10	24
Anthracene	42.1	4.95	ug/L	49.50	ND	85.0	27-133	0.576	24
Carbazole	45.8	4.95	ug/L	49.50	ND	92.5	38-131	1.15	24
Di-N-Butyl Phthalate	49.7	4.95	ug/L	49.50	ND	100	1-120	0.734	24
Fluoranthene	47.0	4.95	ug/L	49.50	ND	95.0	26-137	0.588	24
Pyrene	47.1	4.95	ug/L	49.50	ND	95.2	52-120	0.626	24
Butylbenzylphthalate	57.4	4.95	ug/L	49.50	ND	116	38-152	1.82	24
3,3'- Dichlorobenzidine	4.38	4.95	ug/L	49.50	ND	8.84	38-262	1.64	24

Final Report

Project: Alta Metal Finishing, Inc. - 2409024

Project Number: 2409024

NVOA GCMS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B409077									
Matrix Spike Dup (B409077-MSD1)	**Source: 2409024-01**								
Benzo(A)Anthracene	37.8	4.95	ug/L	49.50	ND	76.3	33-143	0.756	24
Chrysene	38.8	4.95	ug/L	49.50	ND	78.3	17-168	1.22	24
Bis(2-Ethylhexyl)Phthalate	57.7	4.95	ug/L	49.50	ND	117	8-158	1.62	24
Di-N-Octyl Phthalate	60.9	4.95	ug/L	49.50	ND	123	4-146	1.11	24
Benzo(B)Fluoranthene	45.6	4.95	ug/L	49.50	ND	92.0	24-159	2.61	24
Benzo(K)Fluoranthene	42.0	4.95	ug/L	49.50	ND	84.9	11-162	1.40	24
Benzo(A)Pyrene	45.3	4.95	ug/L	49.50	ND	91.5	17-163	0.816	24
Indeno(1,2,3-Cd)Pyrene	50.8	4.95	ug/L	49.50	ND	103	39-171	2.03	24
Dibenzo(A,H)Anthracene	49.3	4.95	ug/L	49.50	ND	99.5	33-227	1.88	24
Benzo(G,H,I)Perylene	48.7	4.95	ug/L	49.50	ND	98.4	35-219	2.98	24
Surrogate: 1,4-Dioxane-D8	*10.8*		ug/L	*49.50*		*21.9*	*20-120*		
Surrogate: 2-Fluoroaniline	*20.1*		ug/L	*49.50*		*40.6*	*30-120*		
Surrogate: Phenol-D6	*13.7*		ug/L	*49.50*		*27.6*	*20-120*		
Surrogate: Naphthalene-D8	*26.1*		ug/L	*49.50*		*52.7*	*30-120*		
Surrogate: 1-Fluoronaphthalene	*25.3*		ug/L	*49.50*		*51.1*	*30-120*		
Surrogate: 2,4-Dibromophenol	*39.5*		ug/L	*49.50*		*79.8*	*20-120*		
Surrogate: Anthracene-D10	*38.4*		ug/L	*49.50*		*77.6*	*30-120*		
Surrogate: Chrysene-D12	*29.9*		ug/L	*49.50*		*60.3*	*30-120*		

Final Report

Project: Alta Metal Finishing, Inc. - 2409024

Project Number: 2409024

GC - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B409072									
Blank (B409072-BLK1)									
Oil & Grease	--- U	5.00	mg/L						
LCS (B409072-BS1)									
Oil & Grease	35.9	5.00	mg/L	40.00		89.8	78-114		
LCS Dup (B409072-BSD1)									
Oil & Grease	37.0	5.00	mg/L	40.00		92.5	78-114	3.02	20
Matrix Spike (B409072-MS1)	**Source: 2409024-02**								
Oil & Grease	44.0	5.81	mg/L	46.51	3.60	86.9	78-114		

Final Report

Project: Alta Metal Finishing, Inc. - 2409024

Project Number: 2409024

Metals ICP - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B409068									
Blank (B409068-BLK1)									
Arsenic	--- U	8.00	ug/L						
Barium	--- U	100	ug/L						
Cadmium	--- U	3.00	ug/L						
Chromium	--- U	5.00	ug/L						
Copper	--- U	10.0	ug/L						
Lead	--- U	8.00	ug/L						
Nickel	--- U	20.0	ug/L						
Selenium	--- U	20.0	ug/L						
Silver	--- U	5.00	ug/L						
Zinc	--- U	20.0	ug/L						
LCS (B409068-BS1)									
Arsenic	200	8.00	ug/L	200.0		100	85-115		
Barium	199	100	ug/L	200.0		99.6	85-115		
Cadmium	199	3.00	ug/L	200.0		99.5	85-115		
Chromium	202	5.00	ug/L	200.0		101	85-115		
Copper	197	10.0	ug/L	200.0		98.3	85-115		
Lead	202	8.00	ug/L	200.0		101	85-115		
Nickel	201	20.0	ug/L	200.0		101	85-115		
Selenium	201	20.0	ug/L	200.0		100	85-115		
Silver	201	5.00	ug/L	200.0		101	85-115		
Zinc	206	20.0	ug/L	200.0		103	85-115		
LCS Dup (B409068-BSD1)									
Arsenic	203	8.00	ug/L	200.0		101	85-115	1.44	20
Barium	204	100	ug/L	200.0		102	85-115	2.51	20
Cadmium	204	3.00	ug/L	200.0		102	85-115	2.43	20
Chromium	207	5.00	ug/L	200.0		103	85-115	2.28	20
Copper	201	10.0	ug/L	200.0		100	85-115	2.14	20
Lead	206	8.00	ug/L	200.0		103	85-115	1.76	20
Nickel	206	20.0	ug/L	200.0		103	85-115	2.49	20
Selenium	207	20.0	ug/L	200.0		104	85-115	3.15	20
Silver	206	5.00	ug/L	200.0		103	85-115	2.16	20
Zinc	211	20.0	ug/L	200.0		105	85-115	2.11	20

Final Report

Project: Alta Metal Finishing, Inc. - 2409024

Project Number: 2409024

Metals ICP - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B409068									
Matrix Spike (B409068-MS1)	**Source: 2409024-01**								
Arsenic	210	8.00	ug/L	200.0	ND	105	80-120		
Barium	211	100	ug/L	200.0	6.63	102	80-120		
Cadmium	206	3.00	ug/L	200.0	2.67	102	80-120		
Chromium	225	5.00	ug/L	200.0	18.3	103	80-120		
Copper	247	10.0	ug/L	200.0	31.4	108	80-120		
Lead	207	8.00	ug/L	200.0	ND	104	80-120		
Nickel	752	20.0	ug/L	200.0	537	107	80-120		
Selenium	208	20.0	ug/L	200.0	ND	104	80-120		
Silver	207	5.00	ug/L	200.0	ND	104	80-120		
Zinc	1740	20.0	ug/L	200.0	1510	112	80-120		
Matrix Spike Dup (B409068-MSD1)	**Source: 2409024-01**								
Arsenic	202	40.0	ug/L	200.0	ND	101	80-120	3.78	10
Barium	201	500	ug/L	200.0	ND	101	80-120	4.90	10
Cadmium	203	15.0	ug/L	200.0	2.67	100	80-120	1.43	10
Chromium	219	25.0	ug/L	200.0	18.3	100	80-120	2.66	10
Copper	231	50.0	ug/L	200.0	31.4	99.8	80-120	6.61	10
Lead	204	40.0	ug/L	200.0	ND	102	80-120	1.88	10
Nickel	736	100	ug/L	200.0	537	99.3	80-120	2.19	10
Selenium	200	100	ug/L	200.0	ND	100	80-120	3.76	10
Silver	200	25.0	ug/L	200.0	ND	99.8	80-120	3.93	10
Zinc	1710	100	ug/L	200.0	1510	96.8	80-120	1.74	10

Final Report

Project: Alta Metal Finishing, Inc. - 2409024

Project Number: 2409024

Mercury CVAA - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B409078									
Blank (B409078-BLK1)									
Mercury	--- U	0.050	ug/L						
LCS (B409078-BS1)									
Mercury	0.913	0.050	ug/L	1.000		91.3	85-115		
LCS Dup (B409078-BSD1)									
Mercury	0.905	0.050	ug/L	1.000		90.5	85-115	0.880	20
Matrix Spike (B409078-MS1)	**Source: 2409024-01**								
Mercury	0.931	0.050	ug/L	1.000	ND	93.1	80-120		

Final Report

Project: Alta Metal Finishing, Inc. - 2409024

Project Number: 2409024

Sanitary - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B409067									
Blank (B409067-BLK1)									
Chromium, Hexavalent	--- U	10.0	ug/L						
Blank (B409067-BLK2)									
Chromium, Hexavalent	--- U	10.0	ug/L						
LCS (B409067-BS1)									
Chromium, Hexavalent	536	10.0	ug/L	498.0		108	85-115		
LCS Dup (B409067-BSD1)									
Chromium, Hexavalent	541	10.0	ug/L	498.0		109	85-115	0.9	20
Matrix Spike (B409067-MS1)	**Source: 2409024-01**								
Chromium, Hexavalent	188	10.0	ug/L	200.0	ND	94	80-120		
Batch B409076									
Blank (B409076-BLK1)									
Phenolics, Total	--- U	20.0	ug/L						
LCS (B409076-BS1)									
Phenolics, Total	1770	200	ug/L	1670		106	90-110		
LCS Dup (B409076-BSD1)									
Phenolics, Total	1790	200	ug/L	1670		107	90-110	1	20
Matrix Spike (B409076-MS1)	**Source: 2409003-02**								
Phenolics, Total	224	20.0	ug/L	200.0	22.3	101	90-110		

Final Report

Project: Alta Metal Finishing, Inc. - 2409024

Project Number: 2409024

Sanitary - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B409076									
Matrix Spike (B409076-MS2)		**Source: 2409009-01**							
Phenolics, Total	213	20.0	ug/L	200.0	ND	106	90-110		
Matrix Spike (B409076-MS3)		**Source: 2409024-01**							
Phenolics, Total	279	40.0	ug/L	200.0	96.5	91	90-110		
Batch B409083									
Blank (B409083-BLK1)									
Cyanide, Total	--- U	20.0	ug/L						
LCS (B409083-BS1)									
Cyanide, Total	624	100	ug/L	673.0		93	90-110		
LCS Dup (B409083-BSD1)									
Cyanide, Total	612	100	ug/L	673.0		91	90-110	2	20
Matrix Spike (B409083-MS1)		**Source: 2409024-02**							
Cyanide, Total	169	20.0	ug/L	200.0	ND	85	90-110		

Attachment #4. Alta Metal Finishing, Inc. Industrial User Permit expires on 12/31/2024.

Westchester gov.com

George S. Latimer
County Executive

Department of Environmental Facilities

Vincent F. Kopicki, P.E.
Commissioner

Westchester County
Department of Environmental Facilities

WASTEWATER DISCHARGE PERMIT # 4399

ISSUED TO:	ALTA METAL FINISHING, INC.
CLASSIFICATION:	NON CATEGORICAL
LOCATED AT:	126 OAKLEY AVENUE WHITE PLAINS, NY 10601

Effective Dates:

From	:	1/1/2023
To	:	12/31/2024

Dates are Inclusive

WASTEWATER DISCHARGE PERMIT

PART I

AUTHORIZATION

Permit No. 4399

Effective Dates:

From : 1/1/2023
To : 12/31/2024

Dates are Inclusive

In accordance with the provisions of the Westchester County Sewer Act:

ALTA METAL FINISHING, INC.
126 OAKLEY AVENUE
WHITE PLAINS, NY 10601

is hereby authorized to discharge industrial wastewater from the outfall(s) identified herein into the Yonkers sanitary sewer system in accordance with the conditions set forth in this permit. Compliance with this permit does not relieve the permittee of its obligations to comply with all applicable pretreatment regulations, standards, or requirements under County, State, and Federal laws that are, or may become, effective during the term of this permit.

Noncompliance with any term or condition of this permit shall constitute a violation of the Westchester County Sewer Act.

If the permittee wishes to continue to discharge after the expiration date of this permit, a letter with such intent must be filed for a renewal permit a minimum of ninety (90) days prior to the expiration date.

This discharge permit supersedes any previously issued discharge permit.

By: _____
Vincent F. Kopicki, P.E.
Commissioner

Date of issue: 1/3/23

TABLE OF CONTENTS

PART II

DEFINITIONS

a. Bypass The intentional diversion of wastes from any portion of a treatment facility.

b. Compliance Monitoring The sampling and analyses performed at the Industry by the Control Authority (the County of Westchester) in accordance with 40CFR403.

c. Commissioner The Commissioner of the Westchester County Department of Environmental Facilities.

d. Composite Sample A combination of individual samples obtained at regular intervals over a specified time period. The volume of each individual sample should be proportional to the flow rate during the sampling period.

e. Cooling Water

1. Uncontaminated water used only for cooling purposes which has no direct contact with any raw material, intermediate or final product, and which does not contain a level of contaminants higher than that of the intake water.

2. Contaminated water used only for cooling purposes which may become contaminated either through the use of water treatment chemicals used for corrosion inhibitors or biocides or by direct contact with process materials and/or wastewater.

f. Daily Maximum The maximum allowable discharge of a pollutant during a calendar day. Where daily maximum limitations are expressed in units of mass, the daily discharge is the total mass discharged over the course of the day. Where daily maximum limitations are expressed in terms of concentration, the daily discharge is the arithmetic average measurement of the pollutant derived from all measurements taken that day.

g. Flashpoint (Closed-Cup) The minimum temperature of a liquid at which the liquid gives off a vapor in sufficient concentration to ignite when tested using the methods specified in 40CFR261.21.

h. Grab Sample An individual sample collected in less than 15 minutes, without regard to flow or time.

i. Instantaneous Maximum Concentration The maximum concentration allowed in any single grab sample.

j. Interference A discharge which alone or in conjunction with a discharge or discharges from other sources both:

1. Inhibits or disrupts the POTW, its treatment processes or operations or its sludge processes, use or disposal; and

2. Causes a violation of any requirement of the POTW's SPDES permit (including an increase in the magnitude or duration of a violation) or prevents the use or disposal of sewage sludge in compliance with the following statutory provisions and regulations or permits issued there under (or more stringent State or local regulations): Section 405 of the Clean Water Act, the Solid Waste Disposal Act (SWDA) [including Title II, more commonly referred to as the Resource Conservation and Recovery Act (RCRA) and including State regulations contained in any State sludge management plan prepared pursuant to Subtitle D of the SWDA], the Clean Air Act, the Toxic Substances Control Act, and the Marine Protection, Research and Sanctuaries Act.

k. Monthly Average The maximum allowable value for the average of all observations obtained during one calendar month.

l. Pass-Through A discharge which exits the POTW into waters of the State of New York in quantities or concentrations which, alone or in conjunction with a discharge or discharges from other sources, cause a violation of any requirement of the POTW's SPDES permit (including an increase in the magnitude or duration of a violation).

m. Publicly Owned Treatment Works (POTW) A treatment works as defined by Section 212 of the Clean Water Act which is owned by the State or municipality. This definition includes any devices and systems used in the storage, treatment, recycling and reclamation of municipal sewage or industrial wastes of a liquid nature. It also includes sewers, pipes and other conveyances only if they convey wastewater to a POTW treatment plant.

n. Regional Administrator (RA) The person in charge of Region II of the United States Environmental Protection Agency or his/her duly appointed representative.

o. Resource Conservation and Recovery Act (RCRA) A federal statute regulating the management of hazardous waste from its generation through ultimate disposal. The Act contains requirements for waste generators, transporters and owners and operators of treatment, storage and disposal facilities.

p. Self Monitoring Sampling and analyses performed at the Industry by the Industry itself in accordance with 40CFR403.

q. Sewer Use Act Westchester County rules and regulations relating to the use of the public sewers.

r. Significant Noncompliance Shall mean that an industrial user meets one or more of the following criteria:

1. Chronic violations of wastewater discharge limits, defined here as those in which sixty-six (66) percent or more of all of the measurements taken during a six (6) month period exceed (by any magnitude) the daily maximum limit or the average limit for the same pollutant parameter;

2. Technical Review Criteria (TRC) violations, defined here as those in which thirty-three (33) percent or more of all of the measurements for each pollutant parameter taken during a six (6) month period equal or exceed the product of the daily maximum limit or the average limit multiplied by the applicable TRC (TRC = 1.4 for BOD, TSS, fats, oil and grease, and 1.2 for all other pollutants except pH);

3. Any other violation of a pretreatment effluent limit (daily maximum or longer term average) that the Control Authority determines has caused, alone or in combination with other discharges, interference or pass-through (including endangering the health, or safety, of POTW personnel or the general public);

4. Any discharge of a pollutant that has caused imminent endangerment to human health, welfare, or to the environment or has resulted in the POTW's exercise of its emergency authority under paragraph (f)(1)(vi)(B) of section 403.8 of the General Pretreatment Regulations (40CFR403) to halt or prevent such a discharge;

5. Failure to meet, within ninety (90) days after the schedule date, a compliance schedule milestone contained in a local control mechanism or enforcement order for starting construction, completing construction, or attaining final compliance;

6. Failure to provide, within thirty (30) days after the due date, required reports such as baseline monitoring reports, ninety (90) day compliance reports, periodic self-monitoring reports, and reports on compliance with compliance schedules;

7. Failure to adequately report noncompliance;

8. Failure to pay the County for sampling and analyses performed at the facility;

9. Any other violation or group of violations which the Control Authority determines will adversely affect the operation of the local pretreatment program.

s. Slug Load Any pollutant (including Biochemical Oxygen Demand) released in a discharge at a flow rate or concentration which will cause a violation of the specific discharge prohibitions in 40CFR 403.5(b) to 403.12(f). Any discharge that is five times or more the daily average flow or concentration of pollutants therein, for any period of time is a slug load.

t. Total Toxic Organics (TTO) The sum of the concentrations of the specific toxic organic compounds regulated by specific categorical, or Westchester County, pretreatment regulations, which is found in the discharge at specific quantifiable concentrations.

PART III

DISCHARGE LIMITATIONS

In accordance with the Laws of the County of Westchester, Chapter 824, the maximum allowable concentration of any of the following pollutants in sewage being discharged to the County POTW shall not exceed the values contained below in the local limitations. Your facility will be monitored for these parameters. The Westchester County Department of Environmental Facilities will conduct sampling at your facility. The parameters which will be monitored are contained on page 7 of this permit. If the parameters are changed during the term of this permit, your facility will be notified as to the changes.

LOCAL LIMITATIONS

REGULATED POLLUTANT	AVERAGE DAILY CONCENTRATION (mg/L)
pH – Low	5.5
pH – High	9.5
Arsenic	0.2
Barium	2.0
Cadmium	0.7
Chromium (Total)	3.0
Chromium (Hex)	2.0
Copper	2.8
Cyanide (Total)	0.8
Lead	0.4
Mercury	0.2
Nickel	2.8
Oil & Grease	100.0
Phenols	4.0
Selenium	0.2
Silver	0.8
Total Toxic Organics	2.1
Zinc	1.8

PART III (cont.)

DISCHARGE LIMITATIONS
&
MONITORING PARAMETERS

ALTA METAL FINISHING, INC. SAMPLE POINT #1

Categorical Classification : NON CATEGORICAL

Parameter	Units	County Limits Day Ave	Federal Limits Day Max	Federal Limits Mon Ave	Sample Type
pH - Low	S.U.	**5.5**	N/A	N/A	Grab
pH - High	S.U.	**9.5**	N/A	N/A	Grab
Total Cyanide	mg/L	**0.8**	N/A	N/A	Grab
Oil & Grease	mg/L	**100.0**	N/A	N/A	Grab
Barium	mg/L	**2.0**	N/A	N/A	Composite
Chromium	mg/L	**3.0**	N/A	N/A	Composite
Copper	mg/L	**2.8**	N/A	N/A	Composite
Zinc	mg/L	**1.8**	N/A	N/A	Composite

Sampling Point # 1 is shown on Facility Diagram on Last Page.

PART IV

MONITORING REQUIREMENTS

Compliance & Self Monitoring:

The permittee is required to self-monitor at least twice a year in accordance with 40CFR403. The samples must be analyzed using test procedures prescribed in 40CFR136 or otherwise approved by EPA or specified in this permit. The self-monitoring results shall be submitted to the Department within thirty (30) days of receipt.

The County performs all compliance monitoring at least twice a year in accordance with 40CFR403. The sampling crew, after showing proper identification, must be allowed into the facility to perform this mandated monitoring.

The permittee will be sent an invoice for all sampling and analyses performed at or for your facility by the County. The invoice is to be paid within sixty (60) days of receipt. Failure to pay this invoice will be considered a violation of this permit and will be subject to enforcement proceedings in accordance with the County Sewer Use Act.

Toxic Organic Management Plan

In lieu of the self-monitoring for TTOs, and upon written request, the Department may allow the permittee to satisfy the TTO self-monitoring sampling requirement by:

a) Making the following certification in its periodic self-monitoring reports:

> "Based upon my inquiry of the person or persons directly responsible for managing environmental affairs at my facility, I certify that, to the best of my knowledge and belief, there was no discharge to a public sewer of toxic organics during the past six (6) months. I also certify that the explanations provided concerning the disposal of toxic organics from the facility are true, accurate and complete. I further certify that this facility is implementing a toxic organics management plan to protect against the release of such compounds to a public sewer. I certify that I am duly authorized by the establishment to make this statement on its behalf, and am fully aware that there are significant civil and criminal sanctions for submitting false information, including the possibility of a fine and/or imprisonment."

b) Submitting a toxic organic management plan (TOMP) for approval by the Department. An acceptable TOMP must contain:

i) a list of all toxic organic compounds used or stored at your facility.

ii) a description of the storage, handling and disposal practices for control of toxic compounds at your facility, including procedures for ensuring that toxic organics do not spill or leak into your wastewater.

PART V

ADDITIONAL MONITORING & REPORTING REQUIREMENTS

1) Additional Monitoring

If the permittee monitors any pollutant more frequently than required by this permit, using test procedures prescribed in 40 CFR Part 136 or otherwise approved by EPA or specified in this permit, the results of such monitoring shall be submitted to the Department within thirty (30) days of receipt of the sampling results.

2) Automatic Re-sampling

If the results of the permittee's wastewater discharge sampling indicate a violation, the permittee shall:

a) Notify the Department within 24 hours of becoming aware of the violation

b) Repeat the sampling and analyses for the substance that was in violation of applicable regulations within thirty (30) days of the date the violation became known, and submit the analytical results of the sampling to the Department immediately.

3) Accidental Discharge Notification

In the event of a bypass, upset, slug discharge, or accidental discharge in violation of any provisions of this permit, or the Sewer Use Act, the permittee shall immediately notify the Department, at any hour, by telephone at (914) 813-5720. Within five days following an accidental discharge, the permittee shall submit to the Department a detailed written report. This report shall contain:

a) A description of the bypass, upset, slug, or accidental discharge, the cause thereof, and the impact on the permittee's compliance status. The description should also include the location of the discharge, type, concentration and volume of waste.

b) The duration of noncompliance, including exact dates and time of noncompliance, and if the noncompliance continues, the time by which compliance is reasonable expected to occur.

c) All steps taken to reduce eliminate and prevent recurrence of such bypass, upset, slug, accidental discharge, or other conditions of noncompliance.

4) Operating Upsets

Any permittee that experiences an upset in operations that places the permittee in a temporary state of noncompliance with the provisions of either this permit or the Sewer

Use Act shall inform the Department immediately upon the first awareness of the upset at (914) 813-5720.

A written follow-up report thereof shall be filed by the permittee with the Department within five (5) days. The report shall specify:

a) Description of the upset, the cause(s) thereof and the upset's impact on the permittee's compliance status;

b) Duration of noncompliance, including exact dates and times of noncompliance, and if the noncompliance continues, the time by which compliance is reasonable expected to occur;

c) All steps taken or to be taken to reduce, eliminate and prevent recurrence of such upset, slug load or other conditions of noncompliance.

A documented and verified operating upset shall be an affirmative defense to any enforcement action brought against the permittee for noncompliance with categorical pretreatment standards attributable to the upset event if the requirements of 40 CFR 403.16 (c) are met.

5) Changes

The Permittee shall notify the Department immediately of any changes affecting the potential for a slug discharge.

The permittee shall give notice to the Department within ninety (90) days prior to any facility expansion, production change, or process modification(s) which result(s) in new or significant change in discharges, or a change in the nature of the discharge.

6) Anticipated Noncompliance

The permittee shall give advance notice to the Department of any planned changes in the permitted facility or activity which may result in noncompliance with this permit.

7) Signatory Requirements

All applications, reports or information submitted to the Department shall contain the following certification and be signed as required in (a), (b), (c) or (d) below:

"I certify under penalty of law that I have personally examined and am familiar with the information contained in this document and all attachments therein. Furthermore, based on my inquiry of those persons immediately responsible for obtaining the information contained in this document, I believe that this information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment. I further certify that reported sampling results, if any, are representative of the facility's normal work cycles and expected pollutant discharges."

a) By a responsible corporate officer if the industrial user submitting the reports is a corporation. For the purpose of this paragraph, a responsible corporate officer means president, secretary, treasurer or vice-president of the corporation in charge of a principal business function or any other person who performs similar policy or decision making functions for the corporation.

b) By a general partner or proprietor if the industrial user submitting the report is a partnership or sole proprietorship.

c) By a duly authorized representative of the individual designated in paragraph (a) or (b) of this section if:

i) The authorization is made in writing by the individual described in paragraph (a) or (b);

ii) The authorization specifies either an individual or a position having responsibility for the overall operation of the facility from which the industrial discharge originates, such as the position of plant manager, or a position of equivalent responsibility, or a position having overall responsibility for environmental matters for the company; and

iii) The written authorization is submitted to the Department.

d) If an authorization under paragraph (c) of this section is no longer accurate because a different individual or position has responsibility for the overall operation of the facility or overall responsibility for the environmental matters of the company, a new authorization satisfying the requirements of paragraph (c) of this section must be submitted to the Department prior to or together with any reports to be signed by an authorized representative.

e) A need for a plan to control or prohibit a "slug" from entering the POTW will be evaluated at least once during the life of the permit. If an SDCP is required, it must be submitted to the County no later than forty-five (45) days after the requirement is noted. If the permittee feels as though it does not require an SDCP, it must notify the County in writing.

f) All reports required by this permit shall be submitted to the Department at the following address:

County of Westchester
Department of Environmental Facilities
270 North Avenue – 6th Floor
New Rochelle, New York 10801
Attn: Monika Wieleba, Program Coordinator

PART VI

OPERATION AND MAINTENANCE OF POLLUTION CONTROLS

1. Proper Operation and Maintenance

The permittee shall at all times properly operate and maintain all facilities and systems for the treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance includes but is not limited to: effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of backup or auxiliary facilities or similar systems only when necessary to achieve compliance with the conditions of the permit.

2. Duty to Halt or Reduce Activity

Upon reduction of efficiency of operation or loss or failure of all or part of the pretreatment facility, the permittee shall, to the extent necessary to maintain compliance with this permit, control production or all discharges until operation of the pretreatment facility is restored or an alternative method of pretreatment is provided. This requirement applies, for example, when the primary source of power of the pretreatment facility fails or is reduced. It shall not be a defense for a permittee in an enforcement action to state that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

3. Bypass of Treatment Facilities

a) Bypass is prohibited unless it is unavoidable to prevent loss of life, personal injury, severe property damage or no feasible alternatives exist.

b) The permittee may allow any bypass to occur which does not cause discharge limitations to be exceeded, but only if it is also for essential maintenance to assure efficient operation.

c) Notification of Bypass:

1) Anticipated bypass – if the permittee knows in advance of the need for a bypass, it shall submit prior written notice, at least ten (10) days before the date of the bypass to the Department.

2) Unanticipated bypass – the permittee shall immediately notify the Department and submit a written notice within 24 hours of becoming aware of the bypass.

4. Disposal of Hazardous Wastes

All solids, sludges, resins or residues, filter backwash or other pollutants removed in the course of pretreatment of wastewater shall be handled and disposed of in accordance with all New York State hazardous wastes requirements and RCRA requirements including, but not limited to, subtitles C and D thereof.

PART VII

INSPECTION AND RECORDS

1. Inspection and Entry

The permittee shall allow the Regional Administrator and/or duly authorized representatives of the Department, upon the presentation of credentials and other documents as may be required by law, to:

a) Enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit;

b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;

c) Inspect, at any time that non-domestic wastewater is being discharged, any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit;

d) Sample or monitor, for the purposes of assuring permit compliance, any substance or parameters at any location; and

e) Inspect any production, manufacturing, fabricating or storage area where pollutants, regulated or required under this permit could originate, be stored, or be discharged to the public sewer.

The applicant, by accepting any permit issued, does hereby consent and agree to entry upon the premises as described herein.

2. Retention of Records

a) The permittee shall retain records of all monitoring information, including all calibration and maintenance records and original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least three (3) years from the date of the sample, measurement, report or application as per Federal regulations 40CFR403.12(o)(2). This period may be extended by request of the Department or EPA at any time.

b) All records that pertain to matters that are subject of special orders or any other enforcement or litigation activities brought by the Department shall be retained and preserved by the permittee at least three (3) years or until all enforcement activities have concluded and all periods or limitations with respect to any and all appeals have expired, whichever is longer.

3. Record Contents

Records of sampling information shall include:

a) The date, exact place, time and methods of sampling or measurement, and sample preservation techniques or procedures;

b) Who performed the sampling or measurements;

c) The date(s) analyses were performed;

d) Who performed the analyses;

e) The analytical techniques or methods used; and

f) The results of each analysis.

4. Falsifying Records

It shall be unlawful to make any false statement representation or certification in any application, report, plan or other document required by this permit or to falsify, tamper with or knowingly render any monitoring device or method inaccurate.

PART VIII

STANDARD CONDITIONS

1. Severability

The provisions of this permit are severable, and if any provision of this permit or if any provision of the application for this permit to any circumstance is held invalid, the application of such provision to other circumstances and the remainder of this permit, shall be affected thereby.

2. Duty to Comply

The permittee must comply with the provisions of the General Pretreatment Regulations (40CFR403), applicable Federal Categorical Standards, the Westchester County Sewer Use Act, and all conditions of this permit. Failure to comply with these requirements may be grounds for administrative action, or enforcement proceedings including civil or criminal penalties, injunctive relief and summary abatements.

3. Duty to Mitigate

The permittee shall take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with this permit, including such accelerated or additional monitoring as necessary to determine the nature and impact of the non-complying discharge.

4. Permit Action

This permit may be modified, revoked and reissued, or terminated for good causes including, but not limited to, the following:

a) Incorporation of any new or revised Federal, State, or local pretreatment standards or requirements;

b) Material or substantial alterations or additions to the discharger's operations which were not covered in the effective permit;

c) A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge;

d) Information indicating that the permitted discharge poses a threat to the Westchester County wastewater collection and treatment systems, POTW personnel or the receiving waters;

e) Violation of any terms or conditions of this permit;

f) Obtaining this permit by misrepresentation or failure to fully disclose all relevant facts;

g) Upon request of the permittee, provided such request does not create a violation of any existing applicable requirements, standards, laws, or rules and regulations; or

h) Correction of typographical or other errors in the permit.

The filing of a request by the permittee for a permit modification, revocation and re-issuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.

5. Property Rights

The issuance of this permit does not convey any property rights of any sort, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any violation of Federal, State or local laws or regulations.

6. Limitation on Permit Transfer

Wastewater discharge permits are issued to a specific user for a specific operation and are not assignable to another user or transferable to any other location without the prior written approval of the Department. In the event of a sale, the permittee must inform the Department of Environmental Facilities of the sale, and must inform the purchaser of all responsibilities and obligations under this permit.

7. Duty to Reapply

If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee must submit a request for and obtain a new permit. A written request must be submitted at least ninety (90) days before the expiration date of this permit.

8. Dilution

The permittee shall not increase the use of process water or, in any way, attempt to dilute a discharge as a partial or complete substitute for adequate treatment to achieve compliance with the limitations contained in this permit.

9. Applicable Regulations

The permittee shall comply at all times with any and all applicable County, State, and Federal pretreatment standards and requirements, including any such standards or requirements that may become effective during the term of this permit.

10. Confidentiality

Any information, except for discharge and effluent data, submitted to the Department may be claimed by the discharger to be confidential. Any such claim must be asserted at the time of submission of the information, and should contain a stamped legend or any other suitable form of notice on each page containing such information, employing language such as trade secret, proprietary or confidential business information. If no claim is asserted at the time of submission, the information may be made available to the public without further notice. If a claim is asserted, it will be treated in accordance with the Department of Environmental Facilities' business confidentiality procedures. Effluent data shall be available to the public without restriction.

11. Duty to Provide Information

The permittee shall furnish to the Department within a reasonable time, any information which the Department may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The permittee shall also furnish to the Department, upon request, copies of records required to be kept by this permit.

12. Civil and Criminal Liability

Nothing in this permit shall be construed to relieve the permittee from civil and/or criminal penalties for noncompliance with any applicable County, State, or Federal regulations.

13. Penalties for Violations of Permit Conditions

The Westchester County Sewer Use Act provides that any person who fails to comply with any of the provisions of the Sewer Use Act, or the conditions or limitations of this permit shall be liable for a civil penalty of up to $1,000.00 for each violation. In the case of a continuing violation, each day's continuance shall be a separate and distinct offense. The permittee may also be subject to sanctions under State and/or Federal law.

14. Spill Containment Plan (SPCP)

A need for a plan to contain a chemical spill within the confines of the permittee will be evaluated at least once during the life of the permit. If an SPCP is required, it must be submitted to the County no later than forty-five (45) days after the requirement is noted. If the permittee feels as though it does not require an SPCP, it must notify the County in writing.

PART IX

GENERAL PROHIBITATIVE STANDARDS

The permittee shall comply with all of the general prohibitive discharge standards in the General Pretreatment Regulations, 40CFR403, and the Department's Sewer Use Act. Except as expressly allowed in this permit no person shall discharge or cause to be discharged, or allow to run, leak, or escape into any public sewer, pipe, channel, pumping station, catch basin or any other sewer appurtenances, or waterway connecting with any public sewer, or into any private sewer connected with public sewer any of the following described materials, substances or wastes except such small quantities as may be present in normal household wastes:

a) Construction materials, ashes, cinders, sand, mud, straw, shavings, metal, glass, rags, feathers, tar, plastic, wood, paunch manure, coffee grounds, fur, wax, or any solid or viscous substances capable of causing obstruction to the flow in sewers or other interference with the proper operation of the sewerage system;

b) Snow and ice at unauthorized locations;

c) Steam or wastewater above 140 degrees Fahrenheit (140°F) or 60 degrees Centigrade (60°C);

d) Flammable or explosive liquids, solids or gases, including but not limited to gasoline, benzene and naphtha. Under no circumstances may any such substance be discharged into the sewerage system;

e) Oil sludges;

f) Coal tar, its derivatives and wastes;

g) Paints and waste products from paint manufacturing which tend to clog or otherwise interfere with the operation of the sewerage system;

h) Wastewaters having a pH lower than 5.5 or higher than 9.5, or having any other corrosive property likely to cause damage to the structures or equipment of the sewerage system or create a hazard to personnel;

i) Toxic substances in such quantities which the person knows, or has reason to know, may, when discharged from a single source, or in combination with other sources:

1) interfere with any sewage treatment process, including sludge treatment;

2) limit the Department's options for operating its sewerage system or disposing of the sewage sludge, grit or scum generated at water pollution control plants;

3) be detrimental to the health of human beings, animals, or aquatic life;

4) create any adverse effect in the receiving waters; or

5) violate Federal or State laws or regulations or the requirements of a discharge permit of sewage treatment plant issued pursuant to section 403 of the Federal Water Pollution Control Act, commonly referred to as the Clean Water Act, as amended, or any other permit issued pursuant to Federal or State law.

j) Any liquids or wastes containing pollutants of such quality and/or quantity that becomes burdensome in the operation and maintenance of a sewage treatment plant;

k) Any noxious or malodorous gas or substance capable of creating a public nuisance;

l) Any wastewater or substance, which in the opinion of the Commissioner, will result in a violation of any applicable Federal, State, or local water quality standard concerning discoloration or other undesirable physical changes in the appearance of the receiving waters;

m) No person shall discharge or cause to be discharged any radioactive material either directly or indirectly into the sewerage system, unless all restrictions, prohibitions, and requirements of the Westchester County Health Department are fully complied with;

n) Any pollutants which create a fire or explosion hazard in the POTW, including, but not limited to, waste streams with closed cup flashpoint of less than 140 degrees Fahrenheit (140°F) or 60 degrees Centigrade (60°C), using the test methods specified in 40CFR261.21.

EPA LIST OF 129 PRIORITY POLLUTANTS

31 ARE PURGEABLE ORGANICS

CODE	COMPOUND	CODE	COMPOUND	CODE	COMPOUND
G02	Acrolein	A50	1,1,2-Trichloroethane	A55	Bromoform
G03	Acrylonitrile	A51	1,1,2,2-Tetrachloroethane	A56	Dichlorobromoethane
D01	Benzene	A52	Chloroethane	A57	Trichlorofluoroethane
D02	Toluene	B25	2-Chloroethyl vinyl ether	A58	Dichlorodifluoroethane
D06	Ethylbenzene	A03	Chloroform	A59	Chlorodibromoethane
A04	Carbon tetrachloride	A60	1,2-Dichloropropane	A13	Tetrachloroethylene
A30	Chlorobenzene	A61	1,3-Dichloropropane	A12	Trichloroethylene
A48	1,2-Dichloroethane	A02	Methylene chloride	A10	Vinyl chloride
A07	1,1,1-Trichloroethane	A01	Methyl chloride	A28	1,2-trans-Dichloroethylene
A49	1,1-Dichloroethane	A54	Methyl bromide	B03	bis(Chloromethyl) ether
A26	1,1-Dichloroethylene				

46 ARE BASE/NEUTRAL EXTRACTABLE ORGANIC COMPOUNDS

CODE	COMPOUND	CODE	COMPOUND	CODE	COMPOUND
A31	1,2-Dichlorobenzene	F36	bis(2-Ethylhexyl) phthtalate	D23	Indeno(1,2,3-c,d) pyrene
A32	1,3-Dichlorobenzene	F39	Di-n-octyl phthalate	D22	Dibenzol(a,h) anthracene
A33	1,4-Dichlorobenzene	F41	Dimethyl phthalate	D19	Benzo(g,h,i) perylene
A53	Hexachloroethane	F40	Diethyl phthalate	B33	4-Chloropheny; phenyl ether
A16	Hexachlorobutadiene	F38	Di-n-butyl phthalate	F43	3,3-Dichlorobenzidine
A35	Hexachlorobenzene	D20	Fluorene	F42	Benzidine
A34	1,2,4-Trichlorobenzene	D09	Fluoranthene	B20	bis(2-Chloroethyl) ether
A61	bis(2-Chloroethoxy) methane	D16	Chrysene	F20	1,2-Diphenylhydrazine
D05	Naphthalene	F99	Pyrene	A17	Hexachlorocyclopentadiene
A43	2-Chloronaphthalene	D21	Phenanthrine	G28	N-Nitrosodiphenylamine
G04	Idophorone	D18	Anthracene	D17	Acenophthylene
F33	Nitrobenzene	D13	Benzo(a)anthracene	D08	Acenophthene
F34	2,4-Dinitrotoluene	D14	Benzo(b)fluoranthene	F37	Butyl benzyl phthalate
F35	2,6-Dinitrotoluene	D15	Benzo(c)fluoranthene	G08	N-Nitrosedimethylamine
B34	4-Bromopheyl phenyl ether	D10	Benzo(d)pyrene	G29	N-Nitrosodi-n-propylamine
B27	bis(2-Chloroisopropyl) ether				

11 ARE ACID EXTRACTABLE ORGANIC COMPOUNDS

CODE	COMPOUND	CODE	COMPOUND	CODE	COMPOUND
D24	Phenyl	F32	4,5-Dinitro-o-cresol	B30	2,4-Dichlorophenol
F29	2-Nitrophenol	B31	Pentachlorophenol	B28	2,4-Trichlorophenol
F30	4-Nitrophenol	B32	p-Chloro-n-cresol	F44	2,4-Dimethylphenol
F31	2,4-Dinitrophenol	B29	2-Chlorophenol		

26 ARE PESTICIDES / PCB'S

CODE	COMPOUND	CODE	COMPOUND	CODE	COMPOUND
C36	alpha – Endosulfan	C34	4,4' – DDE	A38	Arochlor 1232
C37	beta – Endosulfan	C35	4,4' – DDD	A39	Arochlor 1242
C38	Endosulfan sulfate	C03	4,4' – DDT	A40	Arochlor 1248
A44	alpha – BHC	C41	Heptachlor	A41	Arochlor 1254
A45	beta – BHC	C42	Heptachlor epoxide	A42	Arochlor 1260
A47	delta – BHC	C02	Chlordane	B35	2,3,7,8 – Tetrachlorodibenzo-p-
dioxin					(TCDD)
C26	gamma – BHC (Lindane)	C10	Texaphene	C39	Endrin
C01	Aldrin	A36	Arochlor 1016	C40	Endrin aldehyde
C01	Dieldrin	A37	Arochlor 1221		

13 ARE METALS

CODE	COMPOUND	CODE	COMPOUND	CODE	COMPOUND
M01	Antimony	M06	Copper	M10	Selenium
M02	Arsenic	M07	Lead	M11	Silver
M03	Beryllium	M08	Mercury	M12	Thallium
M04	Cadmium	M09	Nickel	M13	Zinc
M05	Chromium				

TABLE 1 – SUBSTANCES OF CONCERN

CLASS A – HALOGENATED HYDROCARBONS

A01. Methyl chloride
A02. Methylene chloride
A03. Chloroform
A04. Carbon tetrachloride
A05. Freon/Genatron
A06. Other halomethanes
A07. 1,1,1-Trichlorethene
A08. Other haloethanes
A09. Vinyl fluoride
A10. Vinyl chloride
A11. Dichlorethylene
A12. Trichloroethylene
A13. Tetrachloroethylene
A14. Chlorinated propane
A15. Chlorinated propene
A16. Hexachlorobutadiene
A17. Hexachlorocyclopentadiene
A18. Chlorinated benzene
A19. Chlorinated toluene
A20. Fluorinated toluene
A21. Polychlorinated biphenyl (PCB)
A22. Chlorinated naphthalene
A23. Dechlorane ($C_{10}Cl_{12}$)
A24. Hexachlorocyclohexane (BHC)

A99. Halogenated hydrocarbons not specified above

CLASS B – HALOGENATED ORGANICS (other than hydrocarbons

B01. Phosgene
B02. Methyl chloromethyl ether
B03. bis-chloromethyl ether
B04. Other chloroalkyl ethers
B05. Benzoyl chloride
B06. Chlorothymol
B07. Chlorinated phenol
B08. Chlorinated cresols or xylenols
B09. Chlorendic acid
B09. Chlorendic acid
B10. Chloraryl ethers
B11. Dichlorophene or hexachlorophene
B12. Chlorinated aniline (including methylene bis (2-chloroaniline)
B13. Dichlorobenzidine
B14. Chlorinated diphenyl oxide
B15. Chlorinated toluidine
B16. Kepone ($C_{10}Cl_{10}O$)
B17. Dichlorovinyl sulfanyl pyridine
B18. Chloropicrin
B19. Trichloromethyl thio-phthalimide
B20. Trichloro-propylsulfonyl pyridine
B21. Tetrachloro-propylsulfonyl pyridine
B22. Tetrachloro-isophthalonitrile

B99. Halogenated organics not specified above

CLASS C – PESTICIDES (includes herbicides, alynocides, biocides, allmicides & mildewcides)

C01. Aldrin/Dieldrin
C02. Chlordane and metabolites
C03. DDT and metabolites
C04. Endosulfan/Thiodan and metabolites
C05. Endrin and metabolites
C06. Heptachlor and metabolites
C07. Malathion
C08. Methoxychlor
C09. Parathion
C10. Toxaphene
C11. Sevin
C12. Kelthane
C13. Diazinon
C14. Dithane
C15. Carberyl
C16. Silvex
C17. Dithiocarbamates
C18. Manel
C19. Dioxathion
C20. Tandex/Karbutilate
C21. Carbofurans
C22. Pentac
C23. Folpet
C24. Dichlone
C25. Rotenene
C26. Lindane/Isotex
C27. Simazine
C28. Methoprane

C99. Pesticides not specified above

CLASS D – AROMATIC HYDROCARBONS

D01. Benzene
D02. Toluene
D03. Xylene
D04. Biphenyl
D05. Naphthalene
D06. Ethylbenzene
D07. Styrene
D08. Acenophthane
D09. Flourathene

D99. Aromatic hydrocarbons not specified above

CLASS E - TARS

E01. Coal tar
E02. Petroleum tar

E99. Tars not specified above

CLASS F – SUBSTITUTED AROMATICS (other than hydrocarbons and non-halogenated)

F01. Phenol, cresol, or xylenol
F02. Calechol, resorcinol, or hydroquinene
F03. Nitrophenols
F04. Nitrobenzenes
F05. Nitrotoluenes
F06. Aniline
F07. Toluidines
F08. Nitroanillines
F09. Nitroanisols
F10. Toluene dilsocyanide
F11. Dimethylaminooxobenzenes
F12. Benzoic acid (and Benzoic salts)
F13. Phthalic, isophthalic, or terophthalic acid
F14. Phthalic anhydride
F15. Phthalate azide
F16. Phenoxyacetic acid
F17. Phenylphenols
F18. Nitrobiphenols
F19. Aminobiphenyls (including benzidine)
F20. Diphenylhydrazine
F21. Naphthylamines
F22. Carbazole
F23. Acetylaminolhexane
F24. Dyes and organic pigments
F25. Pyridine

F99. Substituted aromatics not specified above

CLASS G - MISCELLANIOUS

G01. Asbestos
G02. Acrelein
G03. Acrylonitrile
G04. Isophorene
G05. Nitrosamines
G06. Ethylenamines
G07. Propielaciens
G08. Nitrosedimethylamine
G09. Dimethyl hydrazine
G10. Maleic anhydride
G11. Methyl isocyanide
G12. Epoxides
G13. Nitrotheranes
G14. Cyanide

CLASS H – METALS & their compounds

H01. Antimony
H02. Arsenic
H03. Beryllium
H04. Cadmium
H05. Chromium
H06. Copper
H07. Lead
H08. Mercury
H09. Nickel
H10. Selenium
H11. Silver
H12. Thallium
H13. Zinc

H99. Metals not specified above

Attachment #5. Alta Metal Finishing, Inc. submitted December 2023 Self-Monitoring Data.

Technical Report

prepared for:

Alta Metal Finishing
126 Oakley Ave
White Plains NY, 10601
Attention: Andre Enriquez

Report Date: 12/29/2023
Client Project ID: Wastewater Discharge Permit
York Project (SDG) No.: 23L1390

CT Cert. No. PH-0723 New Jersey Cert. No. CT005 and NY037 New York Cert. Nos. 10854 and 12058 PA Cert. No. 68-04440

120 RESEARCH DRIVE STRATFORD, CT 06615 ■ 132-02 89th AVENUE RICHMOND HILL, NY 11418
www.YORKLAB.com (203) 325-1371 FAX (203) 357-0166 ClientServices@yorklab.com

Report Date: 12/29/2023
Client Project ID: Wastewater Discharge Permit
York Project (SDG) No.: 23L1390

Alta Metal Finishing
126 Oakley Ave
White Plains NY, 10601
Attention: Andre Enriquez

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on December 20, 2023 and listed below. The project was identified as your project: **Wastewater Discharge Permit**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
23L1390-01	Wastewater Discharge	Waste Water	12/19/2023	12/20/2023
23L1390-02	Trip Blank	Water	12/19/2023	12/20/2023

General Notes for York Project (SDG) No.: 23L1390

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By: 

Date: 12/29/2023

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: **Wastewater Discharge** **York Sample ID:** **23L1390-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23L1390	Wastewater Discharge Permit	Waste Water	December 19, 2023 12:10 pm	12/20/2023

Volatile Organics, 624 List

Log-in Notes: HT-01, VOA-. **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/L	5.0	1	EPA 624.1 Certifications:	12/28/2023 09:00 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/28/2023 13:29	SMA
79-34-5	1,1,2,2-Tetrachloroethane	ND	IS-LO	ug/L	5.0	1	EPA 624.1 Certifications:	12/28/2023 09:00 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/28/2023 13:29	SMA
79-00-5	1,1,2-Trichloroethane	ND	IS-LO	ug/L	5.0	1	EPA 624.1 Certifications:	12/28/2023 09:00 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/28/2023 13:29	SMA
75-34-3	1,1-Dichloroethane	ND		ug/L	5.0	1	EPA 624.1 Certifications:	12/28/2023 09:00 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/28/2023 13:29	SMA
75-35-4	1,1-Dichloroethylene	ND		ug/L	5.0	1	EPA 624.1 Certifications:	12/28/2023 09:00 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/28/2023 13:29	SMA
95-50-1	1,2-Dichlorobenzene	ND	IS-LO	ug/L	5.0	1	EPA 624.1 Certifications:	12/28/2023 09:00 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/28/2023 13:29	SMA
107-06-2	1,2-Dichloroethane	ND		ug/L	5.0	1	EPA 624.1 Certifications:	12/28/2023 09:00 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/28/2023 13:29	SMA
78-87-5	1,2-Dichloropropane	ND	IS-LO	ug/L	5.0	1	EPA 624.1 Certifications:	12/28/2023 09:00 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/28/2023 13:29	SMA
541-73-1	1,3-Dichlorobenzene	ND	IS-LO	ug/L	5.0	1	EPA 624.1 Certifications:	12/28/2023 09:00 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/28/2023 13:29	SMA
106-46-7	1,4-Dichlorobenzene	ND	IS-LO	ug/L	5.0	1	EPA 624.1 Certifications:	12/28/2023 09:00 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/28/2023 13:29	SMA
110-75-8	2-Chloroethylvinyl ether	ND	IS-LO, QL-02	ug/L	20	1	EPA 624.1 Certifications:	12/28/2023 09:00 NELAC-NY10854,NJDEP-CT005,PADEP-68-04440	12/28/2023 13:29	SMA
107-02-8	Acrolein	ND		ug/L	10	1	EPA 624.1 Certifications:	12/28/2023 09:00 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	12/28/2023 13:29	SMA
107-13-1	Acrylonitrile	ND		ug/L	5.0	1	EPA 624.1 Certifications:	12/28/2023 09:00 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005	12/28/2023 13:29	SMA
71-43-2	Benzene	ND		ug/L	5.0	1	EPA 624.1 Certifications:	12/28/2023 09:00 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/28/2023 13:29	SMA
75-27-4	Bromodichloromethane	ND	IS-LO	ug/L	5.0	1	EPA 624.1 Certifications:	12/28/2023 09:00 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/28/2023 13:29	SMA
75-25-2	Bromoform	ND	IS-LO	ug/L	5.0	1	EPA 624.1 Certifications:	12/28/2023 09:00 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/28/2023 13:29	SMA
74-83-9	Bromomethane	ND		ug/L	5.0	1	EPA 624.1 Certifications:	12/28/2023 09:00 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/28/2023 13:29	SMA
56-23-5	Carbon tetrachloride	ND		ug/L	5.0	1	EPA 624.1 Certifications:	12/28/2023 09:00 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/28/2023 13:29	SMA

Sample Information

Client Sample ID: **Wastewater Discharge** **York Sample ID:** **23L1390-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23L1390	Wastewater Discharge Permit	Waste Water	December 19, 2023 12:10 pm	12/20/2023

Volatile Organics, 624 List

Log-in Notes: HT-01, VOA-. **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND	IS-LO	ug/L	5.0	1	EPA 624.1 Certifications:	12/28/2023 09:00	12/28/2023 13:29	SMA CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
75-00-3	Chloroethane	ND		ug/L	5.0	1	EPA 624.1 Certifications:	12/28/2023 09:00	12/28/2023 13:29	SMA CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
67-66-3	Chloroform	ND		ug/L	5.0	1	EPA 624.1 Certifications:	12/28/2023 09:00	12/28/2023 13:29	SMA CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
74-87-3	Chloromethane	ND		ug/L	5.0	1	EPA 624.1 Certifications:	12/28/2023 09:00	12/28/2023 13:29	SMA CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	5.0	1	EPA 624.1 Certifications:	12/28/2023 09:00	12/28/2023 13:29	SMA CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005
10061-01-5	cis-1,3-Dichloropropylene	ND	IS-LO	ug/L	5.0	1	EPA 624.1 Certifications:	12/28/2023 09:00	12/28/2023 13:29	SMA CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
124-48-1	Dibromochloromethane	ND	IS-LO	ug/L	5.0	1	EPA 624.1 Certifications:	12/28/2023 09:00	12/28/2023 13:29	SMA CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
100-41-4	Ethyl Benzene	ND	IS-LO	ug/L	5.0	1	EPA 624.1 Certifications:	12/28/2023 09:00	12/28/2023 13:29	SMA CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
1634-04-4	* Methyl tert-butyl ether (MTBE)	ND		ug/L	5.0	1	EPA 624.1 Certifications:	12/28/2023 09:00	12/28/2023 13:29	SMA
75-09-2	Methylene chloride	ND		ug/L	10	1	EPA 624.1 Certifications:	12/28/2023 09:00	12/28/2023 13:29	SMA CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
127-18-4	Tetrachloroethylene	ND	IS-LO, QL-02	ug/L	5.0	1	EPA 624.1 Certifications:	12/28/2023 09:00	12/28/2023 13:29	SMA CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
108-88-3	Toluene	ND	IS-LO	ug/L	5.0	1	EPA 624.1 Certifications:	12/28/2023 09:00	12/28/2023 13:29	SMA CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	5.0	1	EPA 624.1 Certifications:	12/28/2023 09:00	12/28/2023 13:29	SMA CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
10061-02-6	trans-1,3-Dichloropropylene	ND	IS-LO	ug/L	5.0	1	EPA 624.1 Certifications:	12/28/2023 09:00	12/28/2023 13:29	SMA CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
79-01-6	Trichloroethylene	ND	IS-LO	ug/L	5.0	1	EPA 624.1 Certifications:	12/28/2023 09:00	12/28/2023 13:29	SMA CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
75-69-4	Trichlorofluoromethane	ND		ug/L	5.0	1	EPA 624.1 Certifications:	12/28/2023 09:00	12/28/2023 13:29	SMA CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
75-01-4	Vinyl Chloride	ND		ug/L	5.0	1	EPA 624.1 Certifications:	12/28/2023 09:00	12/28/2023 13:29	SMA CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044

	Surrogate Recoveries	Result		Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*95.1 %*		*78-126*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*128 %*	IS-LO, S-08	*84-117*

Sample Information

Client Sample ID: **Wastewater Discharge** **York Sample ID:** **23L1390-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23L1390	Wastewater Discharge Permit	Waste Water	December 19, 2023 12:10 pm	12/20/2023

Volatile Organics, 624 List

Log-in Notes: HT-01, VOA-. **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*149 %*	IS-LO, S-08		*71-130*					

Semi-Volatiles, EPA 625 - Dioxin Screen

Log-in Notes: HT-01, VOA-. **Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1746-01-6	* 2,3,7,8-tetrachlorodibenzo-p-dioxin	ND		ug/L	12.9	12.9	1	EPA 625 Certifications:	12/24/2023 07:17	12/26/2023 19:51	KH

Semi-Volatiles, EPA 625 List

Log-in Notes: HT-01, VOA-. **Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	6.45	1	EPA 625 Certifications:	12/24/2023 07:17	12/26/2023 19:51	KH CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
95-50-1	* 1,2-Dichlorobenzene	ND		ug/L	6.45	1	EPA 625 Certifications:	12/24/2023 07:17	12/26/2023 19:51	KH
541-73-1	* 1,3-Dichlorobenzene	ND		ug/L	6.45	1	EPA 625 Certifications:	12/24/2023 07:17	12/26/2023 19:51	KH
106-46-7	* 1,4-Dichlorobenzene	ND		ug/L	6.45	1	EPA 625 Certifications:	12/24/2023 07:17	12/26/2023 19:51	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	6.45	1	EPA 625 Certifications:	12/24/2023 07:17	12/26/2023 19:51	KH CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	6.45	1	EPA 625 Certifications:	12/24/2023 07:17	12/26/2023 19:51	KH CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
120-83-2	2,4-Dichlorophenol	ND		ug/L	6.45	1	EPA 625 Certifications:	12/24/2023 07:17	12/26/2023 19:51	KH CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
105-67-9	2,4-Dimethylphenol	ND		ug/L	6.45	1	EPA 625 Certifications:	12/24/2023 07:17	12/26/2023 19:51	KH CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
51-28-5	2,4-Dinitrophenol	ND		ug/L	6.45	1	EPA 625 Certifications:	12/24/2023 07:17	12/26/2023 19:51	KH CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
121-14-2	2,4-Dinitrotoluene	ND		ug/L	6.45	1	EPA 625 Certifications:	12/24/2023 07:17	12/26/2023 19:51	KH CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
606-20-2	2,6-Dinitrotoluene	ND		ug/L	6.45	1	EPA 625 Certifications:	12/24/2023 07:17	12/26/2023 19:51	KH CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
91-58-7	2-Chloronaphthalene	ND		ug/L	6.45	1	EPA 625 Certifications:	12/24/2023 07:17	12/26/2023 19:51	KH CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
95-57-8	2-Chlorophenol	ND		ug/L	6.45	1	EPA 625 Certifications:	12/24/2023 07:17	12/26/2023 19:51	KH CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044

Sample Information

Client Sample ID: **Wastewater Discharge** **York Sample ID:** **23L1390-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23L1390	Wastewater Discharge Permit	Waste Water	December 19, 2023 12:10 pm	12/20/2023

Semi-Volatiles, EPA 625 List

Log-in Notes: HT-01, VOA-. **Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-57-6	* 2-Methylnaphthalene	ND		ug/L	6.45	1	EPA 625 Certifications:	12/24/2023 07:17	12/26/2023 19:51	KH
88-75-5	2-Nitrophenol	ND		ug/L	6.45	1	EPA 625 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/24/2023 07:17	12/26/2023 19:51	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	6.45	1	EPA 625 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/24/2023 07:17	12/26/2023 19:51	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	6.45	1	EPA 625 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/24/2023 07:17	12/26/2023 19:51	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	6.45	1	EPA 625 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/24/2023 07:17	12/26/2023 19:51	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	6.45	1	EPA 625 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/24/2023 07:17	12/26/2023 19:51	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	6.45	1	EPA 625 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/24/2023 07:17	12/26/2023 19:51	KH
100-02-7	4-Nitrophenol	ND		ug/L	6.45	1	EPA 625 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/24/2023 07:17	12/26/2023 19:51	KH
83-32-9	Acenaphthene	ND		ug/L	6.45	1	EPA 625 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/24/2023 07:17	12/26/2023 19:51	KH
208-96-8	Acenaphthylene	ND		ug/L	6.45	1	EPA 625 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/24/2023 07:17	12/26/2023 19:51	KH
62-53-3	Aniline	ND		ug/L	6.45	1	EPA 625 Certifications: CTDOH-PH-0723,NELAC-NY10854,PADEP-68-04440	12/24/2023 07:17	12/26/2023 19:51	KH
120-12-7	Anthracene	ND		ug/L	6.45	1	EPA 625 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/24/2023 07:17	12/26/2023 19:51	KH
92-87-5	Benzidine	ND		ug/L	25.8	1	EPA 625 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/24/2023 07:17	12/26/2023 19:51	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	6.45	1	EPA 625 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/24/2023 07:17	12/26/2023 19:51	KH
50-32-8	Benzo(a)pyrene	ND		ug/L	6.45	1	EPA 625 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/24/2023 07:17	12/26/2023 19:51	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/L	6.45	1	EPA 625 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/24/2023 07:17	12/26/2023 19:51	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	6.45	1	EPA 625 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/24/2023 07:17	12/26/2023 19:51	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/L	6.45	1	EPA 625 Certifications: CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	12/24/2023 07:17	12/26/2023 19:51	KH
100-51-6	* Benzyl alcohol	ND		ug/L	6.45	1	EPA 625 Certifications:	12/24/2023 07:17	12/26/2023 19:51	KH

Sample Information

Client Sample ID: **Wastewater Discharge** **York Sample ID:** **23L1390-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23L1390	Wastewater Discharge Permit	Waste Water	December 19, 2023 12:10 pm	12/20/2023

Semi-Volatiles, EPA 625 List

Log-in Notes: HT-01, VOA-. **Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-68-7	Benzyl butyl phthalate	ND		ug/L	6.45	1	EPA 625	12/24/2023 07:17	12/26/2023 19:51	KH
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	6.45	1	EPA 625	12/24/2023 07:17	12/26/2023 19:51	KH
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	6.45	1	EPA 625	12/24/2023 07:17	12/26/2023 19:51	KH
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	6.45	1	EPA 625	12/24/2023 07:17	12/26/2023 19:51	KH
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
117-81-7	**Bis(2-ethylhexyl)phthalate**	**89.8**		ug/L	32.3	5	EPA 625	12/24/2023 07:17	12/27/2023 14:10	KH
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
218-01-9	Chrysene	ND		ug/L	6.45	1	EPA 625	12/24/2023 07:17	12/26/2023 19:51	KH
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	6.45	1	EPA 625	12/24/2023 07:17	12/26/2023 19:51	KH
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
84-66-2	Diethyl phthalate	ND		ug/L	6.45	1	EPA 625	12/24/2023 07:17	12/26/2023 19:51	KH
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
131-11-3	Dimethyl phthalate	ND		ug/L	6.45	1	EPA 625	12/24/2023 07:17	12/26/2023 19:51	KH
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
84-74-2	Di-n-butyl phthalate	ND		ug/L	6.45	1	EPA 625	12/24/2023 07:17	12/26/2023 19:51	KH
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
117-84-0	**Di-n-octyl phthalate**	**11.0**		ug/L	6.45	1	EPA 625	12/24/2023 07:17	12/26/2023 19:51	KH
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
206-44-0	Fluoranthene	ND		ug/L	6.45	1	EPA 625	12/24/2023 07:17	12/26/2023 19:51	KH
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
86-73-7	Fluorene	ND		ug/L	6.45	1	EPA 625	12/24/2023 07:17	12/26/2023 19:51	KH
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
118-74-1	Hexachlorobenzene	ND		ug/L	6.45	1	EPA 625	12/24/2023 07:17	12/26/2023 19:51	KH
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
87-68-3	Hexachlorobutadiene	ND		ug/L	6.45	1	EPA 625	12/24/2023 07:17	12/26/2023 19:51	KH
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	6.45	1	EPA 625	12/24/2023 07:17	12/26/2023 19:51	KH
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
67-72-1	Hexachloroethane	ND		ug/L	6.45	1	EPA 625	12/24/2023 07:17	12/26/2023 19:51	KH
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	6.45	1	EPA 625	12/24/2023 07:17	12/26/2023 19:51	KH
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
78-59-1	Isophorone	ND		ug/L	6.45	1	EPA 625	12/24/2023 07:17	12/26/2023 19:51	KH
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Sample Information

Client Sample ID: **Wastewater Discharge** **York Sample ID:** **23L1390-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23L1390	Wastewater Discharge Permit	Waste Water	December 19, 2023 12:10 pm	12/20/2023

Semi-Volatiles, EPA 625 List

Log-in Notes: HT-01, VOA-. **Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-20-3	Naphthalene	ND		ug/L	6.45	1	EPA 625	12/24/2023 07:17	12/26/2023 19:51	KH
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
98-95-3	Nitrobenzene	ND		ug/L	6.45	1	EPA 625	12/24/2023 07:17	12/26/2023 19:51	KH
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
62-75-9	N-Nitrosodimethylamine	ND		ug/L	6.45	1	EPA 625	12/24/2023 07:17	12/26/2023 19:51	KH
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005		
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	6.45	1	EPA 625	12/24/2023 07:17	12/26/2023 19:51	KH
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005		
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	6.45	1	EPA 625	12/24/2023 07:17	12/26/2023 19:51	KH
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005		
87-86-5	Pentachlorophenol	ND		ug/L	6.45	1	EPA 625	12/24/2023 07:17	12/26/2023 19:51	KH
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
85-01-8	Phenanthrene	ND		ug/L	6.45	1	EPA 625	12/24/2023 07:17	12/26/2023 19:51	KH
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
108-95-2	Phenol	ND		ug/L	6.45	1	EPA 625	12/24/2023 07:17	12/26/2023 19:51	KH
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
129-00-0	Pyrene	ND		ug/L	6.45	1	EPA 625	12/24/2023 07:17	12/26/2023 19:51	KH
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*35.8 %*	*19.7-63.1*
13127-88-3	*Surrogate: SURR: Phenol-d6*	*26.7 %*	*10.1-41.7*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*57.1 %*	*50.2-113*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*70.0 %*	*39.9-105*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*83.4 %*	*39.3-151*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*65.8 %*	*30.7-106*

Pesticides, EPA 608 list

Log-in Notes: HT-01, VOA-. **Sample Notes:** **EXT-EM**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00400	1	EPA 608.3	12/24/2023 09:00	12/26/2023 15:14	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
72-55-9	4,4'-DDE	ND		ug/L	0.00400	1	EPA 608.3	12/24/2023 09:00	12/26/2023 15:14	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
50-29-3	4,4'-DDT	ND		ug/L	0.00400	1	EPA 608.3	12/24/2023 09:00	12/26/2023 15:14	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
309-00-2	Aldrin	ND		ug/L	0.00400	1	EPA 608.3	12/24/2023 09:00	12/26/2023 15:14	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Sample Information

Client Sample ID: **Wastewater Discharge** **York Sample ID:** **23L1390-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23L1390	Wastewater Discharge Permit	Waste Water	December 19, 2023 12:10 pm	12/20/2023

Pesticides, EPA 608 list

Log-in Notes: HT-01, VOA-. **Sample Notes:** **EXT-EM**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-84-6	alpha-BHC	ND		ug/L	0.00400	1	EPA 608.3	12/24/2023 09:00	12/26/2023 15:14	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
319-85-7	beta-BHC	ND		ug/L	0.00400	1	EPA 608.3	12/24/2023 09:00	12/26/2023 15:14	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
57-74-9	Chlordane, total	ND		ug/L	0.0200	1	EPA 608.3	12/24/2023 09:00	12/26/2023 15:14	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
319-86-8	delta-BHC	ND		ug/L	0.00400	1	EPA 608.3	12/24/2023 09:00	12/26/2023 15:14	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
60-57-1	Dieldrin	ND		ug/L	0.00200	1	EPA 608.3	12/24/2023 09:00	12/26/2023 15:14	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
959-98-8	Endosulfan I	ND		ug/L	0.00400	1	EPA 608.3	12/24/2023 09:00	12/26/2023 15:14	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
33213-65-9	Endosulfan II	ND		ug/L	0.00400	1	EPA 608.3	12/24/2023 09:00	12/26/2023 15:14	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00400	1	EPA 608.3	12/24/2023 09:00	12/26/2023 15:14	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
72-20-8	Endrin	ND		ug/L	0.00400	1	EPA 608.3	12/24/2023 09:00	12/26/2023 15:14	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
7421-93-4	Endrin aldehyde	ND		ug/L	0.0100	1	EPA 608.3	12/24/2023 09:00	12/26/2023 15:14	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
53494-70-5	* Endrin ketone	ND		ug/L	0.0100	1	EPA 608.3	12/24/2023 09:00	12/26/2023 15:14	BCJ
							Certifications:	CTDOH-PH-0723		
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00400	1	EPA 608.3	12/24/2023 09:00	12/26/2023 15:14	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
76-44-8	Heptachlor	ND		ug/L	0.00400	1	EPA 608.3	12/24/2023 09:00	12/26/2023 15:14	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00400	1	EPA 608.3	12/24/2023 09:00	12/26/2023 15:14	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
72-43-5	Methoxychlor	ND		ug/L	0.00400	1	EPA 608.3	12/24/2023 09:00	12/26/2023 15:14	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
8001-35-2	Toxaphene	ND		ug/L	0.100	1	EPA 608.3	12/24/2023 09:00	12/26/2023 15:14	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

	Surrogate Recoveries	Result		Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*11.8 %*	S-08, S-09	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*8.20 %*	S-08, S-09	*30-120*

Sample Information

Client Sample ID: **Wastewater Discharge** **York Sample ID:** **23L1390-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23L1390	Wastewater Discharge Permit	Waste Water	December 19, 2023 12:10 pm	12/20/2023

PCB (Polychlorinated Biphenyls)

Log-in Notes: HT-01, VOA-. **Sample Notes:** **EXT-EM**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0500	1	EPA 608	12/24/2023 09:00	12/26/2023 22:32	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
11104-28-2	Aroclor 1221	ND		ug/L	0.0500	1	EPA 608	12/24/2023 09:00	12/26/2023 22:32	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
11141-16-5	Aroclor 1232	ND		ug/L	0.0500	1	EPA 608	12/24/2023 09:00	12/26/2023 22:32	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
53469-21-9	Aroclor 1242	ND		ug/L	0.0500	1	EPA 608	12/24/2023 09:00	12/26/2023 22:32	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
12672-29-6	Aroclor 1248	ND		ug/L	0.0500	1	EPA 608	12/24/2023 09:00	12/26/2023 22:32	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
11097-69-1	Aroclor 1254	ND		ug/L	0.0500	1	EPA 608	12/24/2023 09:00	12/26/2023 22:32	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
11096-82-5	Aroclor 1260	ND		ug/L	0.0500	1	EPA 608	12/24/2023 09:00	12/26/2023 22:32	BCJ
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
1336-36-3	* Total PCBs	ND		ug/L	0.0500	1	EPA 608	12/24/2023 09:00	12/26/2023 22:32	BCJ
							Certifications:	PADEP-68-04440		

	Surrogate Recoveries	Result		Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*14.0 %*	S-08, S-09	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*11.5 %*	S-08, S-09	*30-120*

Barium by EPA 200.7

Log-in Notes: HT-01, VOA-. **Sample Notes:**

Sample Prepared by Method: EPA 200.7

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-39-3	Barium	ND		mg/L	0.0278	1	EPA 200.7	12/26/2023 07:58	12/27/2023 17:09	CEG
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Metals, Priority Pollutant-Low Level

Log-in Notes: HT-01, VOA-. **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	**Antimony**	**2.75**		ug/L	1.11	1	EPA 6020B	12/26/2023 08:30	12/27/2023 16:27	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-38-2	**Arsenic**	**1.29**		ug/L	1.11	1	EPA 6020B	12/26/2023 08:30	12/27/2023 16:27	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-41-7	Beryllium	ND		ug/L	0.333	1	EPA 6020B	12/26/2023 08:30	12/27/2023 16:27	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Sample Information

Client Sample ID: **Wastewater Discharge** **York Sample ID:** **23L1390-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23L1390	Wastewater Discharge Permit	Waste Water	December 19, 2023 12:10 pm	12/20/2023

Metals, Priority Pollutant-Low Level

Log-in Notes: HT-01, VOA-. **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	**Cadmium**	**90.2**		ug/L	0.556	1	EPA 6020B	12/26/2023 08:30	12/27/2023 16:27	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-47-3	**Chromium**	**118**		ug/L	1.11	1	EPA 6020B	12/26/2023 08:30	12/27/2023 16:27	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-50-8	**Copper**	**14500**		ug/L	22.2	20	EPA 6020B	12/26/2023 08:30	12/28/2023 11:15	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7439-92-1	**Lead**	**10.6**		ug/L	1.11	1	EPA 6020B	12/26/2023 08:30	12/27/2023 16:27	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-02-0	**Nickel**	**120**		ug/L	1.11	1	EPA 6020B	12/26/2023 08:30	12/27/2023 16:27	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7782-49-2	Selenium	ND		ug/L	1.11	1	EPA 6020B	12/26/2023 08:30	12/27/2023 16:27	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
7440-22-4	**Silver**	**8.65**		ug/L	1.11	1	EPA 6020B	12/26/2023 08:30	12/27/2023 16:27	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B	12/26/2023 08:30	12/27/2023 16:27	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
7440-66-6	**Zinc**	**10100**		ug/L	22.2	20	EPA 6020B	12/26/2023 08:30	12/28/2023 11:15	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Mercury by 7470/7471

Log-in Notes: HT-01, VOA-. **Sample Notes:**

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.0003**		mg/L	0.0002	1	EPA 7470	12/28/2023 08:22	12/28/2023 08:22	PFA
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Cyanide Amenable to Chlorination

Log-in Notes: HT-01, VOA-. **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	* Cyanide, amenable to chlorination	ND		mg/L	0.0100	1	SM 4500 CN G	12/19/2023 21:39	12/20/2023 18:05	SL
							Certifications:			

Cyanide, Total

Log-in Notes: HT-01, VOA-. **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/L	0.0100	1	SM 4500 CN C-2016 / E-201(	12/19/2023 21:34	12/20/2023 18:02	SL
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044		

Hexavalent Chromium

Log-in Notes: HT-01, VOA-. **Sample Notes:**

Sample Information

Client Sample ID: **Wastewater Discharge** **York Sample ID:** **23L1390-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23L1390	Wastewater Discharge Permit	Waste Water	December 19, 2023 12:10 pm	12/20/2023

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/L	0.0100	1	SM 3500-Cr B	12/20/2023 11:22	12/20/2023 11:35	AD
							Certifications:	NELAC-NY10854,NJDEP-CT005,CTDOH-PH-0723,PADEP-68-044		

Oil & Grease **Log-in Notes:** HT-01, VOA-. **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
OILGREASE	**Oil & Grease**	**33.8**		mg/L	0.505	1	EPA 1664A	12/26/2023 14:16	12/27/2023 16:46	ZTS
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

pH **Log-in Notes:** HT-01, VOA-. **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	*** pH**	**6.90**	HT-pH	pH units	0.500	1	SM 4500 HB	12/22/2023 12:22	12/22/2023 17:47	SMK
							Certifications:	CTDOH-PH-0723		

Phenols, total **Log-in Notes:** HT-01, VOA-. **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
64743-03-9	**Phenols, total**	**0.240**		mg/L	0.0500	1	EPA 420.1/2	12/27/2023 14:46	12/27/2023 17:34	SMK
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Sample Information

Client Sample ID: **Trip Blank** **York Sample ID:** **23L1390-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23L1390	Wastewater Discharge Permit	Water	December 19, 2023 10:00 am	12/20/2023

Volatile Organics, 624 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/L	5.0	1	EPA 624.1	12/27/2023 12:30	12/27/2023 23:08	SMA
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	1	EPA 624.1	12/27/2023 12:30	12/27/2023 23:08	SMA
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	5.0	1	EPA 624.1	12/27/2023 12:30	12/27/2023 23:08	SMA
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
75-34-3	1,1-Dichloroethane	ND		ug/L	5.0	1	EPA 624.1	12/27/2023 12:30	12/27/2023 23:08	SMA
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Sample Information

Client Sample ID: **Trip Blank** **York Sample ID:** **23L1390-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23L1390	Wastewater Discharge Permit	Water	December 19, 2023 10:00 am	12/20/2023

Volatile Organics, 624 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-35-4	1,1-Dichloroethylene	ND		ug/L	5.0	1	EPA 624.1 Certifications:	12/27/2023 12:30	12/27/2023 23:08	SMA CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
95-50-1	1,2-Dichlorobenzene	ND		ug/L	5.0	1	EPA 624.1 Certifications:	12/27/2023 12:30	12/27/2023 23:08	SMA CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
107-06-2	1,2-Dichloroethane	ND		ug/L	5.0	1	EPA 624.1 Certifications:	12/27/2023 12:30	12/27/2023 23:08	SMA CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
78-87-5	1,2-Dichloropropane	ND		ug/L	5.0	1	EPA 624.1 Certifications:	12/27/2023 12:30	12/27/2023 23:08	SMA CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
541-73-1	1,3-Dichlorobenzene	ND		ug/L	5.0	1	EPA 624.1 Certifications:	12/27/2023 12:30	12/27/2023 23:08	SMA CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
106-46-7	1,4-Dichlorobenzene	ND		ug/L	5.0	1	EPA 624.1 Certifications:	12/27/2023 12:30	12/27/2023 23:08	SMA CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
110-75-8	2-Chloroethylvinyl ether	ND	QL-02	ug/L	20	1	EPA 624.1 Certifications:	12/27/2023 12:30	12/27/2023 23:08	SMA NELAC-NY10854,NJDEP-CT005,PADEP-68-04440
107-02-8	Acrolein	ND		ug/L	10	1	EPA 624.1 Certifications:	12/27/2023 12:30	12/27/2023 23:08	SMA CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005
107-13-1	Acrylonitrile	ND		ug/L	5.0	1	EPA 624.1 Certifications:	12/27/2023 12:30	12/27/2023 23:08	SMA CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005
71-43-2	Benzene	ND		ug/L	5.0	1	EPA 624.1 Certifications:	12/27/2023 12:30	12/27/2023 23:08	SMA CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
75-27-4	Bromodichloromethane	ND		ug/L	5.0	1	EPA 624.1 Certifications:	12/27/2023 12:30	12/27/2023 23:08	SMA CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
75-25-2	Bromoform	ND		ug/L	5.0	1	EPA 624.1 Certifications:	12/27/2023 12:30	12/27/2023 23:08	SMA CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
74-83-9	Bromomethane	ND		ug/L	5.0	1	EPA 624.1 Certifications:	12/27/2023 12:30	12/27/2023 23:08	SMA CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
56-23-5	Carbon tetrachloride	ND		ug/L	5.0	1	EPA 624.1 Certifications:	12/27/2023 12:30	12/27/2023 23:08	SMA CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
108-90-7	Chlorobenzene	ND		ug/L	5.0	1	EPA 624.1 Certifications:	12/27/2023 12:30	12/27/2023 23:08	SMA CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
75-00-3	Chloroethane	ND		ug/L	5.0	1	EPA 624.1 Certifications:	12/27/2023 12:30	12/27/2023 23:08	SMA CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
67-66-3	Chloroform	ND		ug/L	5.0	1	EPA 624.1 Certifications:	12/27/2023 12:30	12/27/2023 23:08	SMA CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
74-87-3	Chloromethane	ND		ug/L	5.0	1	EPA 624.1 Certifications:	12/27/2023 12:30	12/27/2023 23:08	SMA CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	5.0	1	EPA 624.1 Certifications:	12/27/2023 12:30	12/27/2023 23:08	SMA CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005

Sample Information

Client Sample ID: **Trip Blank** **York Sample ID:** **23L1390-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
23L1390	Wastewater Discharge Permit	Water	December 19, 2023 10:00 am	12/20/2023

Volatile Organics, 624 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	5.0	1	EPA 624.1 Certifications:	12/27/2023 12:30	12/27/2023 23:08 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	SMA
124-48-1	Dibromochloromethane	ND		ug/L	5.0	1	EPA 624.1 Certifications:	12/27/2023 12:30	12/27/2023 23:08 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	SMA
100-41-4	Ethyl Benzene	ND		ug/L	5.0	1	EPA 624.1 Certifications:	12/27/2023 12:30	12/27/2023 23:08 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	SMA
1634-04-4	* Methyl tert-butyl ether (MTBE)	ND		ug/L	5.0	1	EPA 624.1 Certifications:	12/27/2023 12:30	12/27/2023 23:08	SMA
75-09-2	Methylene chloride	ND		ug/L	10	1	EPA 624.1 Certifications:	12/27/2023 12:30	12/27/2023 23:08 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	SMA
127-18-4	Tetrachloroethylene	ND	QL-02	ug/L	5.0	1	EPA 624.1 Certifications:	12/27/2023 12:30	12/27/2023 23:08 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	SMA
108-88-3	Toluene	ND		ug/L	5.0	1	EPA 624.1 Certifications:	12/27/2023 12:30	12/27/2023 23:08 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	SMA
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	5.0	1	EPA 624.1 Certifications:	12/27/2023 12:30	12/27/2023 23:08 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	SMA
10061-02-6	trans-1,3-Dichloropropylene	ND	QL-02	ug/L	5.0	1	EPA 624.1 Certifications:	12/27/2023 12:30	12/27/2023 23:08 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	SMA
79-01-6	Trichloroethylene	ND		ug/L	5.0	1	EPA 624.1 Certifications:	12/27/2023 12:30	12/27/2023 23:08 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	SMA
75-69-4	Trichlorofluoromethane	ND		ug/L	5.0	1	EPA 624.1 Certifications:	12/27/2023 12:30	12/27/2023 23:08 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	SMA
75-01-4	Vinyl Chloride	ND		ug/L	5.0	1	EPA 624.1 Certifications:	12/27/2023 12:30	12/27/2023 23:08 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	SMA

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*95.4 %*	*78-126*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*99.3 %*	*84-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*102 %*	*71-130*

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
23L1390-01	Wastewater Discharge	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
23L1390-02	Trip Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Sample and Data Qualifiers Relating to This Work Order

VOA-Air	Air bubbles were present in vial upon receipt by lab.
S-09	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect confirmed by re-extraction and re-analysis of the sample.
S-08	The recovery of this surrogate was outside of QC limits.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
IS-LO	The internal std associated with this target compound did not meet acceptance criteria (area <50% CCV) at the stated dilution due to matrix effects. Sample was rerun to confirm matrix effects.
HT-pH	HOLDING TIME EXCEEDED. Samples for pH must be measured in the field or within 15 minutes of sample collection.
HT-01	This result was reported from an analysis conducted outside of the EPA recommended holding time.
EXT-EM	The sample exhibited emulsion formation during the extraction process. This may affect surrogate recoveries.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon current NELAC/TNI Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

Field Chain-of-Custody Record

YORK ANALYTICAL LABORATORIES INC

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 23L1390

120 Research Drive Stratford, CT 06615 132-02 89th Ave Queens, NY 11418 56 Church Hill Rd. #2 Newtown, CT 06470 clientservices@yorklab.com www.yorklab.com 800-306-YORK Page _____ of _____

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: Alta Metal Finishing	Company: Alta Metal Finishing	Company: Alta Metal Finishing		RUSH - Next Day
Address: 126 Oakley Ave, White Plains, NY 10601	Address: 126 Oakley Ave, White Plains, NY 10601	Address: 126 Oakley Ave, White Plains, NY 10601	YOUR Project Name	RUSH - Two Day / RUSH - Three Day
Phone: (914) 946-1916	Phone: (914) 946-1916	Phone: (914) 946-1916		RUSH - Four Day / RUSH - Five Day
Contact: Andre Enriquez	Contact: Andre Enriquez	Contact: Andre Enriquez		Standard (6-9 Day) X
E-mail: altametalfinishing@gmail.com	E-mail: altametalfinishing@gmail.com	E-mail: altametalfinishing@gmail.com	YOUR PO#: None	PFAS Standard is 7-10 Days

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Samples Collected by: (print AND sign your name)

Matrix Codes: S - soil / solid; GW - groundwater; DW - drinking water; WW - wastewater; O - Oil | Other

Samples From: New York X; New Jersey; Connecticut; Pennsylvania; Other:

Report / EDD Type (circle selections): Summary Report; QA Report; CMDP; Standard Excel EDD; NY ASP B Package; CT RCP; CT RCP DQA/DUE; NJDEP Reduced Deliverables; Other:_____; EQuIS (Standard); NYSDEC EQuIS; NJDKQP; NJDEP SRP HazSite

YORK Reg. Comp.: Compared to the following Regulation(s): (please fill in) None

Sample Identification	Sample Matrix	Date/Time Sampled	Analyses Requested	Container Type	No.
	WW		PP-Metals, Ba, Hex Cr, CN, Cn Amenable, Oil&Grease, pH, Phenols, pest/PCBs, SVOCs-dioxin screen, SVOCs, & VOCs	Various	13
TB	Other		VOCs	40ml glass	2

Comments:

Samples iced/chilled at time of lab pickup? circle Yes or No

Preservation: (check all that apply) HCl _X__ MeOH ____ HNO3 _X__ H2SO4 _X__ NaOH _X__ ZnAc ____ Ascorbic Acid ____ Other: _____

Special Instruction: Field Filtered; Lab to Filter

1. Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
2. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
4. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by: KBlackman	Date/Time: 12/20/23 1107	Temperature: 2.1 Degrees C

23L1390

Barium + PP Metals	1x - 500ml plastic w/ HNO3 (Nitric acid)	fill to neck
Chromium, Hexavalent + pH	1x - 250ml plastic, unpreserved	fill to neck
Cyanide Amenable to Chlorination	1x - 250ml plastic w/ NaOH (sodium hydroxide)	fill to neck
Cyanide, Total	1x - 250ml plastic w/ NaOH (sodium hydroxide)	fill to neck
Oil & Grease	1x - 1L amber glass w/ H2SO4 (sulfuric acid)	fill to neck
Pesticides/PCB	3x - 1L amber glass, unpreserved	fill to neck
Phenols	1x - 1L amber glass w/ H2SO4 (sulfuric acid)	fill to neck
Semi-Volatiles, EPA 625 - Dioxin Screen	2x - 1L amber glass, unpreserved	fill to neck
Semi-Volatiles	2x - 1L amber glass, unpreserved	fill to neck
Volatile Organics	3x 40ml vials w/ HCl (Hydrochloric Acid) -	fill so there are no air bubbles in vial
Trip Blank (TB)	2x 40ml vials filled with Lab Water & preserved w/ HCl	do not open these vials. Enter the Tb on the chain of custody for VOC

Field Chain-of-Custody Record

YORK
ANALYTICAL LABORATORIES INC

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 23L1390

120 Research Drive Stratford, CT 06615 132-02 89th Ave Queens, NY 11418 56 Church Hill Rd. #2 Newtown, CT 06470 clientservices@yorklab.com www.yorklab.com 800-306-YORK Page _____ of _____

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: Alta Metal Finishing	Company: Same	Company: Same		RUSH - Next Day
Address: 126 Oakley Ave. White Plains, NY 10601	Address:	Address:	YOUR Project Name	RUSH - Two Day
Phone.: 914-946-1916	Phone.:	Phone.:		RUSH - Three Day
Contact: Andre	Contact:	Contact:		RUSH - Four Day
E-mail: AltaMetalFinishing@gmail	E-mail:	E-mail:	YOUR PO#: 12-19-23	RUSH - Five Day
				Standard (6-9 Day) ✓
				PFAS Standard is 7-10 Days

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Andres Enriquez

Samples Collected by: (print AND sign your name)

Matrix Codes	Samples From	Report / EDD Type (circle selections)			YORK Reg. Comp.
S - soil / solid	New York ✓	Summary Report	CT RCP	EQuIS (Standard)	Compared to the following Regulation(s): (please fill in)
GW - groundwater	New Jersey	QA Report	CT RCP DQA/DUE	NYSDEC EQuIS	
DW - drinking water	Connecticut	CMDP	NJDEP Reduced	NJDKQP	
WW - wastewater	Pennsylvania	Standard Excel EDD	Deliverables	NJDEP SRP HazSite	
O - Oil / Other	Other:	NY ASP B Package	Other:		

Sample Identification	Sample Matrix	Date/Time Sampled	Analyses Requested	Container Type	No.

Comments:

Preservation: (check all that apply)
HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other: ___

Special Instruction
Field Filtered
Lab to Filter

Samples iced/chilled at time of lab pickup? circle Yes or No

1. Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
Andres Enriquez	3:20 12/19/23	Marcus Skinner/York	12.19.23 3:20	Marcus Skinner/York	12-19-23 1100
2. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
					12/20/23 (KB) 12/20/23
4. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
				KBlanchard	12/20/23 1100 / 2.1 Degrees C

8.0 Photographs

Alta Metal Finishing, Inc. **Inspection Dates: 8/02/24 & 9/18/24**
40 CFR Part 403 & Wastewater Discharge Permit # 4399

Photo #1. Municipal water is used in the tumbler to clean and polish bare metal parts.

Photo #2. Process waste streams are directed into the floor drain then to the collection pit.

Photo #3. Wastewater in the collection pit is pumped to the receiving tank.

Photo #4. Solids are removed and the filtrate flows into the plastic junction container.

Photo #5. Wastewater is pumped into on-site portable treatment system.

Photo #6. Wastewater is pumped into the influent receiving chamber.

Photo #7. Polymer is added into the reactor chamber while the agitator provides mixing.

Photo #8. Effluent from the reactor chamber discharges onto the cloth paper filter.

Photo #9. The pretreated effluent discharges to the POTW via the white PVC pipe.