284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

DATA PACKAGE

VOLATILE ORGANICS
GENERAL CHEMISTRY
METALS

PROJECT NAME : INDUSTRIAL WASTEWATER DISCHARGE PERMIT - FALL 202

NEW YORK CITY DEP OF ENVIRONMENTAL PROTECTION/BWS

59-17 Junction Blvd.; 17th floor

Corona, NY - 11368

Phone No: 7186966612

ORDER ID : P5018

ATTENTION : Nicholas Prokopowicz

Laboratory Certification ID # 20012

Table Of Contents for P5018

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Cover Page

Order ID : P5018

Project ID : Industrial Wastewater Discharge Permit - Fall 2024

Client : New York City DEP of Environmental Protection/BWS

Lab Sample Number	Client Sample Number
P5018-01	14B-1
P5018-02	14B-2
P5018-03	14B-3
P5018-04	14B-4
P5018-05	14B-4MS
P5018-06	14B-4MSD
P5018-07	14B-(1-4)-COMP

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : N. N. Pandya

APPROVED Date: 12/10/2024

By Nimisha Pandya, QA/QC Supervisor at 11:40 am, Dec 10, 2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

284 Sheffield Street, Mountainside, NJ 07092
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CASE NARRATIVE

New York City DEP of Environmental Protection/BWS
Project Name: Industrial Wastewater Discharge Permit - Fall 2024
Project # N/A
Chemtech Project # P5018
Test Name: VOCMS Group1

A. Number of Samples and Date of Receipt:
7 Water samples were received on 11/26/2024.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Cyanide, Cyanide-Amenable, Field pH, Field Temperature, Hexavalent Chromium, Mercury, Metals Group1, Metals ICP-Group1, Non-Polar Material, TSS and VOCMS Group1. This data package contains results for VOCMS Group1.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_N were done using GC column RXI-624SIL MS 30m 0.25mm 1.4 um. Cat#13868.The analysis of VOCMS Group1 was based on method 624.1.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The RPD met criteria .
The Blank Spike met requirements for all samples .
The Blank Spike Duplicate met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .
The Continuous Calibration met the requirements .
The Tuning criteria met requirements.
Samples 14B-1, 14B-2, 14B-3 and 14B-4 were diluted due to These samples all needed to be run at straight dilution due to much sediment in vials..

E. Additional Comments:
As per method, MS/MSD is required to be performed with the sample analysis. However, Lab did not receive sufficient volume to perform the MS/MSD therefore MS/MSD were not performed for this project. However, Lab has performed LCS/LCSD instead.

Trip Blank was not provided with this set of samples.

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Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <35% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 35% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature N. N. Pandya

APPROVED
By Nimisha Pandya, QA/QC Supervisor at 11:40 am, Dec 10, 2024

284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

CASE NARRATIVE

New York City DEP of Environmental Protection/BWS
Project Name: Industrial Wastewater Discharge Permit - Fall 2024
Project # N/A
Chemtech Project # P5018
Test Name: Metals ICP-Group1,Mercury

A. Number of Samples and Date of Receipt:
7 Water samples were received on 11/26/2024.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Cyanide, Cyanide-Amenable, Field pH, Field Temperature, Hexavalent Chromium, Mercury, Metals Group1, Metals ICP-Group1, Non-Polar Material, TSS and VOCMS Group1. This data package contains results for Metals ICP-Group1,Mercury.

C. Analytical Techniques:
The analysis and digestion of Metals ICP-Group1 was based on 200.7 and The analysis and digestion of Mercury was based on 245.1.

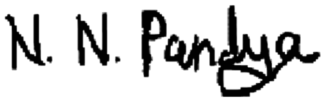
D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Blank Spike met requirements for all samples.
The Duplicate analysis met criteria for all samples.
The Matrix Spike (14B-(1-4)-COMPMS) analysis met criteria for all samples except for Mercury due to matrix interference.
The Matrix Spike Duplicate (14B-(1-4)-COMPMSD) analysis met criteria for all samples except for Copper due to matrix interference.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Serial Dilution (14B-(1-4)-COMPL) met criteria for all samples except for Copper, Sodium due to unknown interference.

E. Additional Comments:
LLCCV & LLICV are not required for 200.7 method.

Samples were received on 11/26/2024, 13:50 and composited in the Lab on 11/26/2024, 14:20.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed

above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature 

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 11:41 am, Dec 10, 2024

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CASE NARRATIVE

New York City DEP of Environmental Protection/BWS
Project Name: Industrial Wastewater Discharge Permit - Fall 2024
Project # N/A
Chemtech Project # P5018
Test Name: Hexavalent Chromium,Non-Polar Material,Cyanide,Field pH,Cyanide-Amenable,Field Temperature,TSS

A. Number of Samples and Date of Receipt:
7 Water samples were received on 11/26/2024.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Cyanide, Cyanide-Amenable, Field pH, Field Temperature, Hexavalent Chromium, Mercury, Metals Group1, Metals ICP-Group1, Non-Polar Material, TSS and VOCMS Group1. This data package contains results for Hexavalent Chromium,Non-Polar Material,Cyanide,Field pH,Cyanide-Amenable,Field Temperature,TSS.

C. Analytical Techniques:
The analysis of Non-Polar Material was based on method 1664A, The analysis of TSS was based on method SM2540 D, The analysis of Field Temperature was based on method SM2550-B, The analysis of Hexavalent Chromium was based on method SM3500-Cr B, The analysis of Cyanide-Amenable was based on method SM4500-CN B,G Cyanide-Amenable, The analysis of Cyanide was based on method SM4500-CN C,E and The analysis of Field pH was based on method SM4500-H B.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Blank Spike met requirements for all samples.
The Duplicate analysis met criteria for all samples.
The Matrix Spike analysis met criteria for all samples.
The Matrix Spike Duplicate analysis met criteria for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.

E. Additional Comments:
Samples were received on 11/26/2024, 13:50 and composited in the Lab on 11/26/2024, 14:20.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed

above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature N. N. Pandya

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 11:41 am, Dec 10, 2024

284 Sheffield Street, Mountainside NJ 07092
Tel. 908-789-8900 Fax: 908-789-8922

DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following " Results Qualifiers" are used:

J	Indicates the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
U	Indicates the analyte was analyzed for, but not detected.
ND	Indicates the analyte was analyzed for, but not detected
E	Indicates the reported value is estimated because of the presence of interference
M	Indicates Duplicate injection precision not met.
N	Indicates the spiked sample recovery is not within control limits.
S	Indicates the reported value was determined by the Method of Standard Addition (MSA).
*	Indicates that the duplicate analysis is not within control limits.
+	Indicates the correlation coefficient for the MSA is less than 0.995.
D	Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
M	Method qualifiers **"P"** for ICP instrument **"PM"** for ICP when Microwave Digestion is used **"CV"** for Manual Cold Vapor AA **"AV"** for automated Cold Vapor AA **"CA"** for MIDI-Distillation Spectrophotometric **"AS"** for Semi –Automated Spectrophotometric **"C"** for Manual Spectrophotometric **"T"** for Titrimetric **"NR"** for analyte not required to be analyzed
OR	Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.
Q	Indicates the LCS did not meet the control limits requirements
H	Sample Analysis Out Of Hold Time

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908-789-8900 Fax: 908-789-8922

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value**.** This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **P5018**

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

QA Review Signature: **SOHIL JODHANI** **Date:** **12/10/2024**

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LAB CHRONICLE

OrderID:	P5018	**OrderDate:**	11/26/2024 12:20:00 PM
Client:	New York City DEP of Environmental Protection/BWS	**Project:**	Industrial Wastewater Discharge Permit - Fall 2024
Contact:	Nicholas Prokopowicz	**Location:**	L51,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P5018-01	**14B-1**	**Water**			**11/26/24**			**11/26/24**
			VOCMS Group1	624.1			11/27/24	
P5018-02	**14B-2**	**Water**			**11/26/24**			**11/26/24**
			VOCMS Group1	624.1			11/27/24	
P5018-03	**14B-3**	**Water**			**11/26/24**			**11/26/24**
			VOCMS Group1	624.1			11/27/24	
P5018-04	**14B-4**	**Water**			**11/26/24**			**11/26/24**
			VOCMS Group1	624.1			11/27/24	

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Hit Summary Sheet
SW-846

SDG No.: P5018

Client: New York City DEP of Environmental Protection/BW

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:								
				0				

Total Voc :

Total Concentration:

SAMPLE DATA

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Report of Analysis

Client:	New York City DEP of Environmental Protection/BWS	Date Collected:	11/26/24
Project:	Industrial Wastewater Discharge Permit - Fall 2024	Date Received:	11/26/24
Client Sample ID:	14B-1	SDG No.:	P5018
Lab Sample ID:	P5018-01	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085056.D	5		11/27/24 13:56	VN112724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	6.10	U	6.10	25.0	ug/L
74-87-3	Chloromethane	5.90	U	5.90	25.0	ug/L
75-01-4	Vinyl Chloride	6.10	U	6.10	25.0	ug/L
74-83-9	Bromomethane	6.90	U	6.90	25.0	ug/L
75-00-3	Chloroethane	14.6	U	14.6	25.0	ug/L
75-69-4	Trichlorofluoromethane	5.10	U	5.10	25.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	5.30	U	5.30	25.0	ug/L
75-35-4	1,1-Dichloroethene	5.30	U	5.30	25.0	ug/L
67-64-1	Acetone	24.6	U	24.6	130	ug/L
75-15-0	Carbon Disulfide	4.70	U	4.70	25.0	ug/L
1634-04-4	Methyl tert-Butyl Ether	4.20	U	4.20	25.0	ug/L
79-20-9	Methyl Acetate	6.10	U	6.10	25.0	ug/L
75-09-2	Methylene Chloride	6.10	U	6.10	25.0	ug/L
156-60-5	trans-1,2-Dichloroethene	4.80	U	4.80	25.0	ug/L
75-34-3	1,1-Dichloroethane	4.10	U	4.10	25.0	ug/L
110-82-7	Cyclohexane	5.20	U	5.20	25.0	ug/L
78-93-3	2-Butanone	17.8	U	17.8	130	ug/L
56-23-5	Carbon Tetrachloride	4.60	U	4.60	25.0	ug/L
156-59-2	cis-1,2-Dichloroethene	4.50	U	4.50	25.0	ug/L
67-66-3	Chloroform	3.60	U	3.60	25.0	ug/L
71-55-6	1,1,1-Trichloroethane	4.00	U	4.00	25.0	ug/L
108-87-2	Methylcyclohexane	4.50	U	4.50	25.0	ug/L
71-43-2	Benzene	3.50	U	3.50	25.0	ug/L
107-06-2	1,2-Dichloroethane	3.80	U	3.80	25.0	ug/L
79-01-6	Trichloroethene	3.90	U	3.90	25.0	ug/L
78-87-5	1,2-Dichloropropane	3.30	U	3.30	25.0	ug/L
75-27-4	Bromodichloromethane	4.10	U	4.10	25.0	ug/L
108-10-1	4-Methyl-2-Pentanone	20.8	U	20.8	130	ug/L
108-88-3	Toluene	3.60	U	3.60	25.0	ug/L
10061-02-6	t-1,3-Dichloropropene	4.00	U	4.00	25.0	ug/L

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Report of Analysis

Client:	New York City DEP of Environmental Protection/BWS	Date Collected:	11/26/24
Project:	Industrial Wastewater Discharge Permit - Fall 2024	Date Received:	11/26/24
Client Sample ID:	14B-1	SDG No.:	P5018
Lab Sample ID:	P5018-01	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085056.D	5		11/27/24 13:56	VN112724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	4.20	U	4.20	25.0	ug/L
79-00-5	1,1,2-Trichloroethane	3.40	U	3.40	25.0	ug/L
591-78-6	2-Hexanone	19.7	U	19.7	130	ug/L
124-48-1	Dibromochloromethane	3.60	U	3.60	25.0	ug/L
106-93-4	1,2-Dibromoethane	3.90	U	3.90	25.0	ug/L
127-18-4	Tetrachloroethene	4.70	U	4.70	25.0	ug/L
108-90-7	Chlorobenzene	3.40	U	3.40	25.0	ug/L
100-41-4	Ethyl Benzene	3.70	U	3.70	25.0	ug/L
179601-23-1	m/p-Xylenes	8.60	U	8.60	50.0	ug/L
95-47-6	o-Xylene	4.10	U	4.10	25.0	ug/L
100-42-5	Styrene	4.00	U	4.00	25.0	ug/L
75-25-2	Bromoform	5.00	U	5.00	25.0	ug/L
98-82-8	Isopropylbenzene	4.30	U	4.30	25.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	3.00	U	3.00	25.0	ug/L
108-67-8	1,3,5-Trimethylbenzene	3.70	U	3.70	25.0	ug/L
541-73-1	1,3-Dichlorobenzene	4.40	U	4.40	25.0	ug/L
106-46-7	1,4-Dichlorobenzene	4.80	U	4.80	25.0	ug/L
95-50-1	1,2-Dichlorobenzene	4.40	U	4.40	25.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	4.60	U	4.60	25.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	5.50	U	5.50	25.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	7.10	U	7.10	25.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	29.9		91 - 110	100%	SPK: 30
2037-26-5	Toluene-d8	28.8		91 - 112	96%	SPK: 30
460-00-4	4-Bromofluorobenzene	24.9		63 - 112	83%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	33400	7.806			
540-36-3	1,4-Difluorobenzene	177000	9.1			
3114-55-4	Chlorobenzene-d5	151000	11.865			

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Report of Analysis

Client:	New York City DEP of Environmental Protection/BWS	Date Collected:	11/26/24
Project:	Industrial Wastewater Discharge Permit - Fall 2024	Date Received:	11/26/24
Client Sample ID:	14B-1	SDG No.:	P5018
Lab Sample ID:	P5018-01	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085056.D	5		11/27/24 13:56	VN112724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	New York City DEP of Environmental Protection/BWS	Date Collected:	11/26/24
Project:	Industrial Wastewater Discharge Permit - Fall 2024	Date Received:	11/26/24
Client Sample ID:	14B-2	SDG No.:	P5018
Lab Sample ID:	P5018-02	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085057.D	5		11/27/24 14:20	VN112724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	6.10	U	6.10	25.0	ug/L
74-87-3	Chloromethane	5.90	U	5.90	25.0	ug/L
75-01-4	Vinyl Chloride	6.10	U	6.10	25.0	ug/L
74-83-9	Bromomethane	6.90	U	6.90	25.0	ug/L
75-00-3	Chloroethane	14.6	U	14.6	25.0	ug/L
75-69-4	Trichlorofluoromethane	5.10	U	5.10	25.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	5.30	U	5.30	25.0	ug/L
75-35-4	1,1-Dichloroethene	5.30	U	5.30	25.0	ug/L
67-64-1	Acetone	24.6	U	24.6	130	ug/L
75-15-0	Carbon Disulfide	4.70	U	4.70	25.0	ug/L
1634-04-4	Methyl tert-Butyl Ether	4.20	U	4.20	25.0	ug/L
79-20-9	Methyl Acetate	6.10	U	6.10	25.0	ug/L
75-09-2	Methylene Chloride	6.10	U	6.10	25.0	ug/L
156-60-5	trans-1,2-Dichloroethene	4.80	U	4.80	25.0	ug/L
75-34-3	1,1-Dichloroethane	4.10	U	4.10	25.0	ug/L
110-82-7	Cyclohexane	5.20	U	5.20	25.0	ug/L
78-93-3	2-Butanone	17.8	U	17.8	130	ug/L
56-23-5	Carbon Tetrachloride	4.60	U	4.60	25.0	ug/L
156-59-2	cis-1,2-Dichloroethene	4.50	U	4.50	25.0	ug/L
67-66-3	Chloroform	3.60	U	3.60	25.0	ug/L
71-55-6	1,1,1-Trichloroethane	4.00	U	4.00	25.0	ug/L
108-87-2	Methylcyclohexane	4.50	U	4.50	25.0	ug/L
71-43-2	Benzene	3.50	U	3.50	25.0	ug/L
107-06-2	1,2-Dichloroethane	3.80	U	3.80	25.0	ug/L
79-01-6	Trichloroethene	3.90	U	3.90	25.0	ug/L
78-87-5	1,2-Dichloropropane	3.30	U	3.30	25.0	ug/L
75-27-4	Bromodichloromethane	4.10	U	4.10	25.0	ug/L
108-10-1	4-Methyl-2-Pentanone	20.8	U	20.8	130	ug/L
108-88-3	Toluene	3.60	U	3.60	25.0	ug/L
10061-02-6	t-1,3-Dichloropropene	4.00	U	4.00	25.0	ug/L

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	New York City DEP of Environmental Protection/BWS	Date Collected:	11/26/24
Project:	Industrial Wastewater Discharge Permit - Fall 2024	Date Received:	11/26/24
Client Sample ID:	14B-2	SDG No.:	P5018
Lab Sample ID:	P5018-02	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085057.D	5		11/27/24 14:20	VN112724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	4.20	U	4.20	25.0	ug/L
79-00-5	1,1,2-Trichloroethane	3.40	U	3.40	25.0	ug/L
591-78-6	2-Hexanone	19.7	U	19.7	130	ug/L
124-48-1	Dibromochloromethane	3.60	U	3.60	25.0	ug/L
106-93-4	1,2-Dibromoethane	3.90	U	3.90	25.0	ug/L
127-18-4	Tetrachloroethene	4.70	U	4.70	25.0	ug/L
108-90-7	Chlorobenzene	3.40	U	3.40	25.0	ug/L
100-41-4	Ethyl Benzene	3.70	U	3.70	25.0	ug/L
179601-23-1	m/p-Xylenes	8.60	U	8.60	50.0	ug/L
95-47-6	o-Xylene	4.10	U	4.10	25.0	ug/L
100-42-5	Styrene	4.00	U	4.00	25.0	ug/L
75-25-2	Bromoform	5.00	U	5.00	25.0	ug/L
98-82-8	Isopropylbenzene	4.30	U	4.30	25.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	3.00	U	3.00	25.0	ug/L
108-67-8	1,3,5-Trimethylbenzene	3.70	U	3.70	25.0	ug/L
541-73-1	1,3-Dichlorobenzene	4.40	U	4.40	25.0	ug/L
106-46-7	1,4-Dichlorobenzene	4.80	U	4.80	25.0	ug/L
95-50-1	1,2-Dichlorobenzene	4.40	U	4.40	25.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	4.60	U	4.60	25.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	5.50	U	5.50	25.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	7.10	U	7.10	25.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	29.7		91 - 110	99%	SPK: 30
2037-26-5	Toluene-d8	28.1		91 - 112	94%	SPK: 30
460-00-4	4-Bromofluorobenzene	23.9		63 - 112	80%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	21400	7.806			
540-36-3	1,4-Difluorobenzene	110000	9.094			
3114-55-4	Chlorobenzene-d5	94600	11.865			

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Report of Analysis

Client:	New York City DEP of Environmental Protection/BWS	Date Collected:	11/26/24
Project:	Industrial Wastewater Discharge Permit - Fall 2024	Date Received:	11/26/24
Client Sample ID:	14B-2	SDG No.:	P5018
Lab Sample ID:	P5018-02	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085057.D	5		11/27/24 14:20	VN112724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	New York City DEP of Environmental Protection/BWS	Date Collected:	11/26/24
Project:	Industrial Wastewater Discharge Permit - Fall 2024	Date Received:	11/26/24
Client Sample ID:	14B-3	SDG No.:	P5018
Lab Sample ID:	P5018-03	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085058.D	5		11/27/24 14:44	VN112724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	6.10	U	6.10	25.0	ug/L
74-87-3	Chloromethane	5.90	U	5.90	25.0	ug/L
75-01-4	Vinyl Chloride	6.10	U	6.10	25.0	ug/L
74-83-9	Bromomethane	6.90	U	6.90	25.0	ug/L
75-00-3	Chloroethane	14.6	U	14.6	25.0	ug/L
75-69-4	Trichlorofluoromethane	5.10	U	5.10	25.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	5.30	U	5.30	25.0	ug/L
75-35-4	1,1-Dichloroethene	5.30	U	5.30	25.0	ug/L
67-64-1	Acetone	24.6	U	24.6	130	ug/L
75-15-0	Carbon Disulfide	4.70	U	4.70	25.0	ug/L
1634-04-4	Methyl tert-Butyl Ether	4.20	U	4.20	25.0	ug/L
79-20-9	Methyl Acetate	6.10	U	6.10	25.0	ug/L
75-09-2	Methylene Chloride	6.10	U	6.10	25.0	ug/L
156-60-5	trans-1,2-Dichloroethene	4.80	U	4.80	25.0	ug/L
75-34-3	1,1-Dichloroethane	4.10	U	4.10	25.0	ug/L
110-82-7	Cyclohexane	5.20	U	5.20	25.0	ug/L
78-93-3	2-Butanone	17.8	U	17.8	130	ug/L
56-23-5	Carbon Tetrachloride	4.60	U	4.60	25.0	ug/L
156-59-2	cis-1,2-Dichloroethene	4.50	U	4.50	25.0	ug/L
67-66-3	Chloroform	3.60	U	3.60	25.0	ug/L
71-55-6	1,1,1-Trichloroethane	4.00	U	4.00	25.0	ug/L
108-87-2	Methylcyclohexane	4.50	U	4.50	25.0	ug/L
71-43-2	Benzene	3.50	U	3.50	25.0	ug/L
107-06-2	1,2-Dichloroethane	3.80	U	3.80	25.0	ug/L
79-01-6	Trichloroethene	3.90	U	3.90	25.0	ug/L
78-87-5	1,2-Dichloropropane	3.30	U	3.30	25.0	ug/L
75-27-4	Bromodichloromethane	4.10	U	4.10	25.0	ug/L
108-10-1	4-Methyl-2-Pentanone	20.8	U	20.8	130	ug/L
108-88-3	Toluene	3.60	U	3.60	25.0	ug/L
10061-02-6	t-1,3-Dichloropropene	4.00	U	4.00	25.0	ug/L

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Report of Analysis

Client:	New York City DEP of Environmental Protection/BWS	Date Collected:	11/26/24
Project:	Industrial Wastewater Discharge Permit - Fall 2024	Date Received:	11/26/24
Client Sample ID:	14B-3	SDG No.:	P5018
Lab Sample ID:	P5018-03	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085058.D	5		11/27/24 14:44	VN112724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	4.20	U	4.20	25.0	ug/L
79-00-5	1,1,2-Trichloroethane	3.40	U	3.40	25.0	ug/L
591-78-6	2-Hexanone	19.7	U	19.7	130	ug/L
124-48-1	Dibromochloromethane	3.60	U	3.60	25.0	ug/L
106-93-4	1,2-Dibromoethane	3.90	U	3.90	25.0	ug/L
127-18-4	Tetrachloroethene	4.70	U	4.70	25.0	ug/L
108-90-7	Chlorobenzene	3.40	U	3.40	25.0	ug/L
100-41-4	Ethyl Benzene	3.70	U	3.70	25.0	ug/L
179601-23-1	m/p-Xylenes	8.60	U	8.60	50.0	ug/L
95-47-6	o-Xylene	4.10	U	4.10	25.0	ug/L
100-42-5	Styrene	4.00	U	4.00	25.0	ug/L
75-25-2	Bromoform	5.00	U	5.00	25.0	ug/L
98-82-8	Isopropylbenzene	4.30	U	4.30	25.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	3.00	U	3.00	25.0	ug/L
108-67-8	1,3,5-Trimethylbenzene	3.70	U	3.70	25.0	ug/L
541-73-1	1,3-Dichlorobenzene	4.40	U	4.40	25.0	ug/L
106-46-7	1,4-Dichlorobenzene	4.80	U	4.80	25.0	ug/L
95-50-1	1,2-Dichlorobenzene	4.40	U	4.40	25.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	4.60	U	4.60	25.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	5.50	U	5.50	25.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	7.10	U	7.10	25.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	30.6		91 - 110	102%	SPK: 30
2037-26-5	Toluene-d8	28.6		91 - 112	95%	SPK: 30
460-00-4	4-Bromofluorobenzene	23.9		63 - 112	80%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	24400	7.806			
540-36-3	1,4-Difluorobenzene	125000	9.1			
3114-55-4	Chlorobenzene-d5	108000	11.865			

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Report of Analysis

Client:	New York City DEP of Environmental Protection/BWS	Date Collected:	11/26/24
Project:	Industrial Wastewater Discharge Permit - Fall 2024	Date Received:	11/26/24
Client Sample ID:	14B-3	SDG No.:	P5018
Lab Sample ID:	P5018-03	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085058.D	5		11/27/24 14:44	VN112724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	New York City DEP of Environmental Protection/BWS	Date Collected:	11/26/24
Project:	Industrial Wastewater Discharge Permit - Fall 2024	Date Received:	11/26/24
Client Sample ID:	14B-4	SDG No.:	P5018
Lab Sample ID:	P5018-04	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085059.D	5		11/27/24 15:07	VN112724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	6.10	U	6.10	25.0	ug/L
74-87-3	Chloromethane	5.90	U	5.90	25.0	ug/L
75-01-4	Vinyl Chloride	6.10	U	6.10	25.0	ug/L
74-83-9	Bromomethane	6.90	U	6.90	25.0	ug/L
75-00-3	Chloroethane	14.6	U	14.6	25.0	ug/L
75-69-4	Trichlorofluoromethane	5.10	U	5.10	25.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	5.30	U	5.30	25.0	ug/L
75-35-4	1,1-Dichloroethene	5.30	U	5.30	25.0	ug/L
67-64-1	Acetone	24.6	U	24.6	130	ug/L
75-15-0	Carbon Disulfide	4.70	U	4.70	25.0	ug/L
1634-04-4	Methyl tert-Butyl Ether	4.20	U	4.20	25.0	ug/L
79-20-9	Methyl Acetate	6.10	U	6.10	25.0	ug/L
75-09-2	Methylene Chloride	6.10	U	6.10	25.0	ug/L
156-60-5	trans-1,2-Dichloroethene	4.80	U	4.80	25.0	ug/L
75-34-3	1,1-Dichloroethane	4.10	U	4.10	25.0	ug/L
110-82-7	Cyclohexane	5.20	U	5.20	25.0	ug/L
78-93-3	2-Butanone	17.8	U	17.8	130	ug/L
56-23-5	Carbon Tetrachloride	4.60	U	4.60	25.0	ug/L
156-59-2	cis-1,2-Dichloroethene	4.50	U	4.50	25.0	ug/L
67-66-3	Chloroform	3.60	U	3.60	25.0	ug/L
71-55-6	1,1,1-Trichloroethane	4.00	U	4.00	25.0	ug/L
108-87-2	Methylcyclohexane	4.50	U	4.50	25.0	ug/L
71-43-2	Benzene	3.50	U	3.50	25.0	ug/L
107-06-2	1,2-Dichloroethane	3.80	U	3.80	25.0	ug/L
79-01-6	Trichloroethene	3.90	U	3.90	25.0	ug/L
78-87-5	1,2-Dichloropropane	3.30	U	3.30	25.0	ug/L
75-27-4	Bromodichloromethane	4.10	U	4.10	25.0	ug/L
108-10-1	4-Methyl-2-Pentanone	20.8	U	20.8	130	ug/L
108-88-3	Toluene	3.60	U	3.60	25.0	ug/L
10061-02-6	t-1,3-Dichloropropene	4.00	U	4.00	25.0	ug/L

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Report of Analysis

Client:	New York City DEP of Environmental Protection/BWS	Date Collected:	11/26/24
Project:	Industrial Wastewater Discharge Permit - Fall 2024	Date Received:	11/26/24
Client Sample ID:	14B-4	SDG No.:	P5018
Lab Sample ID:	P5018-04	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085059.D	5		11/27/24 15:07	VN112724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	4.20	U	4.20	25.0	ug/L
79-00-5	1,1,2-Trichloroethane	3.40	U	3.40	25.0	ug/L
591-78-6	2-Hexanone	19.7	U	19.7	130	ug/L
124-48-1	Dibromochloromethane	3.60	U	3.60	25.0	ug/L
106-93-4	1,2-Dibromoethane	3.90	U	3.90	25.0	ug/L
127-18-4	Tetrachloroethene	4.70	U	4.70	25.0	ug/L
108-90-7	Chlorobenzene	3.40	U	3.40	25.0	ug/L
100-41-4	Ethyl Benzene	3.70	U	3.70	25.0	ug/L
179601-23-1	m/p-Xylenes	8.60	U	8.60	50.0	ug/L
95-47-6	o-Xylene	4.10	U	4.10	25.0	ug/L
100-42-5	Styrene	4.00	U	4.00	25.0	ug/L
75-25-2	Bromoform	5.00	U	5.00	25.0	ug/L
98-82-8	Isopropylbenzene	4.30	U	4.30	25.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	3.00	U	3.00	25.0	ug/L
108-67-8	1,3,5-Trimethylbenzene	3.70	U	3.70	25.0	ug/L
541-73-1	1,3-Dichlorobenzene	4.40	U	4.40	25.0	ug/L
106-46-7	1,4-Dichlorobenzene	4.80	U	4.80	25.0	ug/L
95-50-1	1,2-Dichlorobenzene	4.40	U	4.40	25.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	4.60	U	4.60	25.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	5.50	U	5.50	25.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	7.10	U	7.10	25.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	31.1		91 - 110	104%	SPK: 30
2037-26-5	Toluene-d8	28.3		91 - 112	94%	SPK: 30
460-00-4	4-Bromofluorobenzene	23.3		63 - 112	78%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	24400	7.806			
540-36-3	1,4-Difluorobenzene	128000	9.094			
3114-55-4	Chlorobenzene-d5	110000	11.865			

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Report of Analysis

Client:	New York City DEP of Environmental Protection/BWS	Date Collected:	11/26/24
Project:	Industrial Wastewater Discharge Permit - Fall 2024	Date Received:	11/26/24
Client Sample ID:	14B-4	SDG No.:	P5018
Lab Sample ID:	P5018-04	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085059.D	5		11/27/24 15:07	VN112724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

QC SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SDG No.: P5018

Client: New York City DEP of Environmental Protection/BWS

Analytical Method: SW624.1

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
P5018-01	14B-1	1,2-Dichloroethane-d4	30	29.9	100	91	110
		Toluene-d8	30	28.8	96	91	112
		4-Bromofluorobenzene	30	24.9	83	63	112
P5018-02	14B-2	1,2-Dichloroethane-d4	30	29.8	99	91	110
		Toluene-d8	30	28.1	94	91	112
		4-Bromofluorobenzene	30	23.9	80	63	112
P5018-03	14B-3	1,2-Dichloroethane-d4	30	30.6	102	91	110
		Toluene-d8	30	28.6	95	91	112
		4-Bromofluorobenzene	30	23.9	80	63	112
P5018-04	14B-4	1,2-Dichloroethane-d4	30	31.1	104	91	110
		Toluene-d8	30	28.3	94	91	112
		4-Bromofluorobenzene	30	23.3	78	63	112
VN1127WBL01	VN1127WBL01	1,2-Dichloroethane-d4	30	31.1	104	91	110
		Toluene-d8	30	28.6	95	91	112
		4-Bromofluorobenzene	30	24.5	82	63	112
VN1127WBS01	VN1127WBS01	1,2-Dichloroethane-d4	30	30.4	101	91	110
		Toluene-d8	30	29.6	99	91	112
		4-Bromofluorobenzene	30	29.4	98	63	112
VN1127WBSD0	VN1127WBSD01	1,2-Dichloroethane-d4	30	30.5	102	91	110
		Toluene-d8	30	29.9	100	91	112
		4-Bromofluorobenzene	30	28.3	94	63	112

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5018

Client: New York City DEP of Environmental Prot

Analytical Method: SW624.1 **Datafile :** VN085053.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1127WBS01	Dichlorodifluoromethane	20	19.9	ug/L	100			72	118	
	Chloromethane	20	17.4	ug/L	87			1	205	
	Vinyl Chloride	20	18.6	ug/L	93			5	195	
	Bromomethane	20	20.1	ug/L	101			15	185	
	Chloroethane	20	18.6	ug/L	93			40	160	
	Trichlorofluoromethane	20	20.0	ug/L	100			50	150	
	1,1,2-Trichlorotrifluoroethane	20	20.0	ug/L	100			64	127	
	1,1-Dichloroethene	20	18.7	ug/L	94			50	150	
	Acetone	100	95.8	ug/L	96			41	148	
	Carbon disulfide	20	17.3	ug/L	86			76	107	
	Methyl tert-butyl Ether	20	18.6	ug/L	93			82	114	
	Methyl Acetate	20	15.8	ug/L	79			63	139	
	Methylene Chloride	20	17.9	ug/L	90			60	140	
	trans-1,2-Dichloroethene	20	18.7	ug/L	94			70	130	
	1,1-Dichloroethane	20	18.9	ug/L	95			70	130	
	Cyclohexane	20	18.7	ug/L	94			79	113	
	2-Butanone	100	88.6	ug/L	89			69	129	
	Carbon Tetrachloride	20	19.4	ug/L	97			70	130	
	cis-1,2-Dichloroethene	20	18.6	ug/L	93			81	112	
	Chloroform	20	19.2	ug/L	96			70	135	
	1,1,1-Trichloroethane	20	19.5	ug/L	98			70	130	
	Methylcyclohexane	20	18.6	ug/L	93			79	112	
	Benzene	20	17.9	ug/L	90			65	135	
	1,2-Dichloroethane	20	19.0	ug/L	95			70	130	
	Trichloroethene	20	18.7	ug/L	94			65	135	
	1,2-Dichloropropane	20	18.4	ug/L	92			35	165	
	Bromodichloromethane	20	18.2	ug/L	91			65	135	
	4-Methyl-2-Pentanone	100	86.4	ug/L	86			73	131	
	Toluene	20	18.5	ug/L	93			70	130	
	t-1,3-Dichloropropene	20	18.0	ug/L	90			50	150	
	cis-1,3-Dichloropropene	20	18.5	ug/L	93			25	175	
	1,1,2-Trichloroethane	20	18.8	ug/L	94			70	130	
	2-Hexanone	100	88.9	ug/L	89			72	128	
	Dibromochloromethane	20	19.1	ug/L	96			70	135	
	1,2-Dibromoethane	20	18.3	ug/L	92			86	114	
	Tetrachloroethene	20	19.4	ug/L	97			70	130	
	Chlorobenzene	20	18.9	ug/L	95			65	135	
	Ethyl Benzene	20	18.1	ug/L	91			60	140	
	m/p-Xylenes	40	37.0	ug/L	93			87	111	
	o-Xylene	20	17.9	ug/L	90			87	111	
	Styrene	20	18.4	ug/L	92			85	106	
	Bromoform	20	17.9	ug/L	90			70	130	
	Isopropylbenzene	20	18.8	ug/L	94			86	112	
	1,1,2,2-Tetrachloroethane	20	17.8	ug/L	89			60	140	
	1,3,5-Trimethylbenzene	20	19.2	ug/L	96			66	139	
	1,3-Dichlorobenzene	20	19.1	ug/L	96			70	130	
	1,4-Dichlorobenzene	20	18.6	ug/L	93			65	135	
	1,2-Dichlorobenzene	20	18.4	ug/L	92			65	135	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5018

Client: New York City DEP of Environmental Prot

Analytical Method: SW624.1 **Datafile :** VN085053.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1127WBS01	1,2-Dibromo-3-Chloropropane	20	18.6	ug/L	93			69	122	
	1,2,4-Trichlorobenzene	20	19.0	ug/L	95			61	118	
	1,2,3-Trichlorobenzene	20	19.0	ug/L	95			38	159	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5018

Client: New York City DEP of Environmental Prot

Analytical Method: SW624.1 **Datafile :** VN085054.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1127WBSD01	Dichlorodifluoromethane	20	21.1	ug/L	106	6		72	118	20
	Chloromethane	20	18.0	ug/L	90	3		1	205	20
	Vinyl Chloride	20	20.0	ug/L	100	7		5	195	20
	Bromomethane	20	22.2	ug/L	111	9		15	185	20
	Chloroethane	20	20.3	ug/L	102	9		40	160	20
	Trichlorofluoromethane	20	22.0	ug/L	110	10		50	150	20
	1,1,2-Trichlorotrifluoroethane	20	22.5	ug/L	113	12		64	127	20
	1,1-Dichloroethene	20	20.4	ug/L	102	8		50	150	20
	Acetone	100	110	ug/L	110	14		41	148	20
	Carbon disulfide	20	18.8	ug/L	94	9		76	107	20
	Methyl tert-butyl Ether	20	22.0	ug/L	110	17		82	114	20
	Methyl Acetate	20	18.4	ug/L	92	15		63	139	20
	Methylene Chloride	20	20.3	ug/L	102	13		60	140	20
	trans-1,2-Dichloroethene	20	20.1	ug/L	101	7		70	130	20
	1,1-Dichloroethane	20	21.0	ug/L	105	10		70	130	20
	Cyclohexane	20	20.3	ug/L	102	8		79	113	20
	2-Butanone	100	100	ug/L	100	12		69	129	20
	Carbon Tetrachloride	20	21.6	ug/L	108	11		70	130	20
	cis-1,2-Dichloroethene	20	20.6	ug/L	103	10		81	112	20
	Chloroform	20	20.8	ug/L	104	8		70	135	20
	1,1,1-Trichloroethane	20	21.1	ug/L	106	8		70	130	20
	Methylcyclohexane	20	21.0	ug/L	105	12		79	112	20
	Benzene	20	20.8	ug/L	104	14		65	135	20
	1,2-Dichloroethane	20	22.0	ug/L	110	15		70	130	20
	Trichloroethene	20	21.0	ug/L	105	11		65	135	20
	1,2-Dichloropropane	20	20.2	ug/L	101	9		35	165	20
	Bromodichloromethane	20	21.2	ug/L	106	15		65	135	20
	4-Methyl-2-Pentanone	100	100	ug/L	100	15		73	131	20
	Toluene	20	20.9	ug/L	104	11		70	130	20
	t-1,3-Dichloropropene	20	20.7	ug/L	104	14		50	150	20
	cis-1,3-Dichloropropene	20	21.3	ug/L	106	13		25	175	20
	1,1,2-Trichloroethane	20	21.1	ug/L	106	12		70	130	20
	2-Hexanone	100	100	ug/L	100	12		72	128	20
	Dibromochloromethane	20	21.6	ug/L	108	12		70	135	20
	1,2-Dibromoethane	20	20.4	ug/L	102	10		86	114	20
	Tetrachloroethene	20	22.4	ug/L	112	14		70	130	20
	Chlorobenzene	20	20.9	ug/L	104	9		65	135	20
	Ethyl Benzene	20	20.2	ug/L	101	10		60	140	20
	m/p-Xylenes	40	41.4	ug/L	104	11		87	111	20
	o-Xylene	20	21.3	ug/L	106	16		87	111	20
	Styrene	20	20.8	ug/L	104	12		85	106	20
	Bromoform	20	21.3	ug/L	106	16		70	130	20
	Isopropylbenzene	20	20.5	ug/L	103	9		86	112	20
	1,1,2,2-Tetrachloroethane	20	20.6	ug/L	103	15		60	140	20
	1,3,5-Trimethylbenzene	20	20.7	ug/L	104	8		66	139	20
	1,3-Dichlorobenzene	20	20.9	ug/L	104	8		70	130	20
	1,4-Dichlorobenzene	20	20.7	ug/L	104	11		65	135	20
	1,2-Dichlorobenzene	20	20.5	ug/L	103	11		65	135	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5018

Client: New York City DEP of Environmental Prot

Analytical Method: SW624.1 **Datafile :** VN085054.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1127WBSD01	1,2-Dibromo-3-Chloropropane	20	20.7	ug/L	104	11		69	122	20
	1,2,4-Trichlorobenzene	20	21.8	ug/L	109	14		61	118	20
	1,2,3-Trichlorobenzene	20	21.8	ug/L	109	14		38	159	20

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN1127WBL01

Lab Name: CHEMTECH Contract: NEWY17

Lab Code: CHEM Case No.: P5018 SAS No.: P5018 SDG NO.: P5018

Lab File ID: VN085055.D Lab Sample ID: VN1127WBL01

Date Analyzed: 11/27/2024 Time Analyzed: 13:19

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_N

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN1127WBS01	VN1127WBS01	VN085053.D	11/27/2024
VN1127WBSD01	VN1127WBSD01	VN085054.D	11/27/2024
14B-1	P5018-01	VN085056.D	11/27/2024
14B-2	P5018-02	VN085057.D	11/27/2024
14B-3	P5018-03	VN085058.D	11/27/2024
14B-4	P5018-04	VN085059.D	11/27/2024

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: NEWY17

Lab Code: CHEM Case No.: P5018 SAS No.: P5018 SDG NO.: P5018

Lab File ID: VN084612.D BFB Injection Date: 10/31/2024

Instrument ID: MSVOA_N BFB Injection Time: 10:56

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.5
75	30.0 - 60.0% of mass 95	52.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.8 (1.1) 1
174	50.0 - 100.0% of mass 95	73.9
175	5.0 - 9.0% of mass 174	5.6 (7.5) 1
176	95.0 - 101.0% of mass 174	72.1 (97.5) 1
177	5.0 - 9.0% of mass 176	4.7 (6.5) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VN084613.D	10/31/2024	12:08
VSTDICCC020	VSTDICCC020	VN084614.D	10/31/2024	12:32
VSTDICC050	VSTDICC050	VN084615.D	10/31/2024	12:56
VSTDICC100	VSTDICC100	VN084616.D	10/31/2024	13:20
VSTDICC150	VSTDICC150	VN084617.D	10/31/2024	13:44

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: NEWY17

Lab Code: CHEM Case No.: P5018 SAS No.: P5018 SDG NO.: P5018

Lab File ID: VN085051.D BFB Injection Date: 11/27/2024

Instrument ID: MSVOA_N BFB Injection Time: 08:30

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.6
75	30.0 - 60.0% of mass 95	50.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	1.2 (1.6) 1
174	50.0 - 100.0% of mass 95	73
175	5.0 - 9.0% of mass 174	5.2 (7.1) 1
176	95.0 - 101.0% of mass 174	69.9 (95.8) 1
177	5.0 - 9.0% of mass 176	4.5 (6.4) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC020	VSTDCCC020	VN085052.D	11/27/2024	11:44
VN1127WBS01	VN1127WBS01	VN085053.D	11/27/2024	12:21
VN1127WBSD01	VN1127WBSD01	VN085054.D	11/27/2024	12:55
VN1127WBL01	VN1127WBL01	VN085055.D	11/27/2024	13:19
14B-1	P5018-01	VN085056.D	11/27/2024	13:56
14B-2	P5018-02	VN085057.D	11/27/2024	14:20
14B-3	P5018-03	VN085058.D	11/27/2024	14:44
14B-4	P5018-04	VN085059.D	11/27/2024	15:07

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: NEWY17

Lab Code: CHEM Case No.: P5018 SAS No.: P5018 SDG NO.: P5018

Lab File ID: VN085052.D Date Analyzed: 11/27/2024

Instrument ID: MSVOA_N Time Analyzed: 11:44

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	28768	7.81	155364	9.09	140160	11.87
UPPER LIMIT	57536	8.312	310728	9.594	280320	12.365
LOWER LIMIT	14384	7.312	77682	8.594	70080	11.365
EPA SAMPLE NO.						
14B-1	33381	7.81	177303	9.10	151222	11.87
14B-2	21362	7.81	109546	9.09	94649	11.87
14B-3	24374	7.81	124625	9.10	107923	11.87
14B-4	24391	7.81	127521	9.09	110334	11.87
VN1127WBL01	26189	7.81	138613	9.09	117498	11.87
VN1127WBS01	32660	7.81	179004	9.09	161319	11.86
VN1127WBSD01	29451	7.81	158864	9.10	140518	11.87

IS1 = Bromochloromethane
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

QC SAMPLE DATA

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Report of Analysis

Client:	New York City DEP of Environmental Protection/BWS	Date Collected:	
Project:	Industrial Wastewater Discharge Permit - Fall 2024	Date Received:	
Client Sample ID:	VN1127WBL01	SDG No.:	P5018
Lab Sample ID:	VN1127WBL01	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085055.D	1		11/27/24 13:19	VN112724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.20	U	1.20	5.00	ug/L
74-87-3	Chloromethane	1.20	U	1.20	5.00	ug/L
75-01-4	Vinyl Chloride	1.20	U	1.20	5.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	2.90	U	2.90	5.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	1.00	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.00	ug/L
75-35-4	1,1-Dichloroethene	1.10	U	1.10	5.00	ug/L
67-64-1	Acetone	4.90	U	4.90	25.0	ug/L
75-15-0	Carbon Disulfide	0.93	U	0.93	5.00	ug/L
1634-04-4	Methyl tert-Butyl Ether	0.83	U	0.83	5.00	ug/L
79-20-9	Methyl Acetate	1.20	U	1.20	5.00	ug/L
75-09-2	Methylene Chloride	1.20	U	1.20	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.95	U	0.95	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.81	U	0.81	5.00	ug/L
110-82-7	Cyclohexane	1.00	U	1.00	5.00	ug/L
78-93-3	2-Butanone	3.60	U	3.60	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.91	U	0.91	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.90	U	0.90	5.00	ug/L
67-66-3	Chloroform	0.72	U	0.72	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.79	U	0.79	5.00	ug/L
108-87-2	Methylcyclohexane	0.89	U	0.89	5.00	ug/L
71-43-2	Benzene	0.69	U	0.69	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.75	U	0.75	5.00	ug/L
79-01-6	Trichloroethene	0.77	U	0.77	5.00	ug/L
78-87-5	1,2-Dichloropropane	0.65	U	0.65	5.00	ug/L
75-27-4	Bromodichloromethane	0.81	U	0.81	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	4.20	U	4.20	25.0	ug/L
108-88-3	Toluene	0.72	U	0.72	5.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.79	U	0.79	5.00	ug/L

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	New York City DEP of Environmental Protection/BWS	Date Collected:	
Project:	Industrial Wastewater Discharge Permit - Fall 2024	Date Received:	
Client Sample ID:	VN1127WBL01	SDG No.:	P5018
Lab Sample ID:	VN1127WBL01	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085055.D	1		11/27/24 13:19	VN112724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	0.83	U	0.83	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.68	U	0.68	5.00	ug/L
591-78-6	2-Hexanone	3.90	U	3.90	25.0	ug/L
124-48-1	Dibromochloromethane	0.72	U	0.72	5.00	ug/L
106-93-4	1,2-Dibromoethane	0.78	U	0.78	5.00	ug/L
127-18-4	Tetrachloroethene	0.94	U	0.94	5.00	ug/L
108-90-7	Chlorobenzene	0.67	U	0.67	5.00	ug/L
100-41-4	Ethyl Benzene	0.73	U	0.73	5.00	ug/L
179601-23-1	m/p-Xylenes	1.70	U	1.70	10.0	ug/L
95-47-6	o-Xylene	0.82	U	0.82	5.00	ug/L
100-42-5	Styrene	0.80	U	0.80	5.00	ug/L
75-25-2	Bromoform	1.00	U	1.00	5.00	ug/L
98-82-8	Isopropylbenzene	0.85	U	0.85	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.60	U	0.60	5.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.74	U	0.74	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.88	U	0.88	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.95	U	0.95	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.88	U	0.88	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.91	U	0.91	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.10	U	1.10	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.40	U	1.40	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	31.1		91 - 110	104%	SPK: 30
2037-26-5	Toluene-d8	28.6		91 - 112	95%	SPK: 30
460-00-4	4-Bromofluorobenzene	24.5		63 - 112	82%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	26200	7.806			
540-36-3	1,4-Difluorobenzene	139000	9.094			
3114-55-4	Chlorobenzene-d5	117000	11.865			

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Fax : 908 789 8922

Report of Analysis

Client:	New York City DEP of Environmental Protection/BWS	Date Collected:	
Project:	Industrial Wastewater Discharge Permit - Fall 2024	Date Received:	
Client Sample ID:	VN1127WBL01	SDG No.:	P5018
Lab Sample ID:	VN1127WBL01	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085055.D	1		11/27/24 13:19	VN112724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	New York City DEP of Environmental Protection/BWS	Date Collected:	
Project:	Industrial Wastewater Discharge Permit - Fall 2024	Date Received:	
Client Sample ID:	VN1127WBS01	SDG No.:	P5018
Lab Sample ID:	VN1127WBS01	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085053.D	1		11/27/24 12:21	VN112724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	19.9		1.20	5.00	ug/L
74-87-3	Chloromethane	17.4		1.20	5.00	ug/L
75-01-4	Vinyl Chloride	18.6		1.20	5.00	ug/L
74-83-9	Bromomethane	20.1		1.40	5.00	ug/L
75-00-3	Chloroethane	18.6		2.90	5.00	ug/L
75-69-4	Trichlorofluoromethane	20.0		1.00	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.0		1.10	5.00	ug/L
75-35-4	1,1-Dichloroethene	18.7		1.10	5.00	ug/L
67-64-1	Acetone	95.8		4.90	25.0	ug/L
75-15-0	Carbon Disulfide	17.3		0.93	5.00	ug/L
1634-04-4	Methyl tert-Butyl Ether	18.6		0.83	5.00	ug/L
79-20-9	Methyl Acetate	15.8		1.20	5.00	ug/L
75-09-2	Methylene Chloride	17.9		1.20	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.7		0.95	5.00	ug/L
75-34-3	1,1-Dichloroethane	18.9		0.81	5.00	ug/L
110-82-7	Cyclohexane	18.7		1.00	5.00	ug/L
78-93-3	2-Butanone	88.6		3.60	25.0	ug/L
56-23-5	Carbon Tetrachloride	19.4		0.91	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.6		0.90	5.00	ug/L
67-66-3	Chloroform	19.2		0.72	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.5		0.79	5.00	ug/L
108-87-2	Methylcyclohexane	18.6		0.89	5.00	ug/L
71-43-2	Benzene	17.9		0.69	5.00	ug/L
107-06-2	1,2-Dichloroethane	19.0		0.75	5.00	ug/L
79-01-6	Trichloroethene	18.7		0.77	5.00	ug/L
78-87-5	1,2-Dichloropropane	18.4		0.65	5.00	ug/L
75-27-4	Bromodichloromethane	18.2		0.81	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	86.4		4.20	25.0	ug/L
108-88-3	Toluene	18.5		0.72	5.00	ug/L
10061-02-6	t-1,3-Dichloropropene	18.0		0.79	5.00	ug/L

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Report of Analysis

Client:	New York City DEP of Environmental Protection/BWS	Date Collected:	
Project:	Industrial Wastewater Discharge Permit - Fall 2024	Date Received:	
Client Sample ID:	VN1127WBS01	SDG No.:	P5018
Lab Sample ID:	VN1127WBS01	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085053.D	1		11/27/24 12:21	VN112724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	18.5		0.83	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	18.8		0.68	5.00	ug/L
591-78-6	2-Hexanone	88.9		3.90	25.0	ug/L
124-48-1	Dibromochloromethane	19.1		0.72	5.00	ug/L
106-93-4	1,2-Dibromoethane	18.3		0.78	5.00	ug/L
127-18-4	Tetrachloroethene	19.4		0.94	5.00	ug/L
108-90-7	Chlorobenzene	18.9		0.67	5.00	ug/L
100-41-4	Ethyl Benzene	18.1		0.73	5.00	ug/L
179601-23-1	m/p-Xylenes	37.0		1.70	10.0	ug/L
95-47-6	o-Xylene	17.9		0.82	5.00	ug/L
100-42-5	Styrene	18.4		0.80	5.00	ug/L
75-25-2	Bromoform	17.9		1.00	5.00	ug/L
98-82-8	Isopropylbenzene	18.8		0.85	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	17.8		0.60	5.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	19.2		0.74	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.1		0.88	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.6		0.95	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	18.4		0.88	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	18.6		0.91	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	19.0		1.10	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.0		1.40	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	30.4		91 - 110	101%	SPK: 30
2037-26-5	Toluene-d8	29.6		91 - 112	99%	SPK: 30
460-00-4	4-Bromofluorobenzene	29.4		63 - 112	98%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	32700	7.806			
540-36-3	1,4-Difluorobenzene	179000	9.094			
3114-55-4	Chlorobenzene-d5	161000	11.859			

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Report of Analysis

Client:	New York City DEP of Environmental Protection/BWS	Date Collected:	
Project:	Industrial Wastewater Discharge Permit - Fall 2024	Date Received:	
Client Sample ID:	VN1127WBS01	SDG No.:	P5018
Lab Sample ID:	VN1127WBS01	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085053.D	1		11/27/24 12:21	VN112724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	New York City DEP of Environmental Protection/BWS	Date Collected:	
Project:	Industrial Wastewater Discharge Permit - Fall 2024	Date Received:	
Client Sample ID:	VN1127WBSD01	SDG No.:	P5018
Lab Sample ID:	VN1127WBSD01	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085054.D	1		11/27/24 12:55	VN112724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	21.1		1.20	5.00	ug/L
74-87-3	Chloromethane	18.0		1.20	5.00	ug/L
75-01-4	Vinyl Chloride	20.0		1.20	5.00	ug/L
74-83-9	Bromomethane	22.2		1.40	5.00	ug/L
75-00-3	Chloroethane	20.3		2.90	5.00	ug/L
75-69-4	Trichlorofluoromethane	22.0		1.00	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	22.5		1.10	5.00	ug/L
75-35-4	1,1-Dichloroethene	20.4		1.10	5.00	ug/L
67-64-1	Acetone	110		4.90	25.0	ug/L
75-15-0	Carbon Disulfide	18.8		0.93	5.00	ug/L
1634-04-4	Methyl tert-Butyl Ether	22.0		0.83	5.00	ug/L
79-20-9	Methyl Acetate	18.4		1.20	5.00	ug/L
75-09-2	Methylene Chloride	20.3		1.20	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	20.1		0.95	5.00	ug/L
75-34-3	1,1-Dichloroethane	21.0		0.81	5.00	ug/L
110-82-7	Cyclohexane	20.3		1.00	5.00	ug/L
78-93-3	2-Butanone	100		3.60	25.0	ug/L
56-23-5	Carbon Tetrachloride	21.6		0.91	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	20.6		0.90	5.00	ug/L
67-66-3	Chloroform	20.8		0.72	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	21.1		0.79	5.00	ug/L
108-87-2	Methylcyclohexane	21.0		0.89	5.00	ug/L
71-43-2	Benzene	20.8		0.69	5.00	ug/L
107-06-2	1,2-Dichloroethane	22.0		0.75	5.00	ug/L
79-01-6	Trichloroethene	21.0		0.77	5.00	ug/L
78-87-5	1,2-Dichloropropane	20.2		0.65	5.00	ug/L
75-27-4	Bromodichloromethane	21.2		0.81	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	100		4.20	25.0	ug/L
108-88-3	Toluene	20.9		0.72	5.00	ug/L
10061-02-6	t-1,3-Dichloropropene	20.7		0.79	5.00	ug/L

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Report of Analysis

Client:	New York City DEP of Environmental Protection/BWS	Date Collected:	
Project:	Industrial Wastewater Discharge Permit - Fall 2024	Date Received:	
Client Sample ID:	VN1127WBSD01	SDG No.:	P5018
Lab Sample ID:	VN1127WBSD01	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085054.D	1		11/27/24 12:55	VN112724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	21.3		0.83	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.1		0.68	5.00	ug/L
591-78-6	2-Hexanone	100		3.90	25.0	ug/L
124-48-1	Dibromochloromethane	21.6		0.72	5.00	ug/L
106-93-4	1,2-Dibromoethane	20.4		0.78	5.00	ug/L
127-18-4	Tetrachloroethene	22.4		0.94	5.00	ug/L
108-90-7	Chlorobenzene	20.9		0.67	5.00	ug/L
100-41-4	Ethyl Benzene	20.2		0.73	5.00	ug/L
179601-23-1	m/p-Xylenes	41.4		1.70	10.0	ug/L
95-47-6	o-Xylene	21.3		0.82	5.00	ug/L
100-42-5	Styrene	20.8		0.80	5.00	ug/L
75-25-2	Bromoform	21.3		1.00	5.00	ug/L
98-82-8	Isopropylbenzene	20.5		0.85	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.6		0.60	5.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	20.7		0.74	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	20.9		0.88	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	20.7		0.95	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.5		0.88	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20.7		0.91	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	21.8		1.10	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	21.8		1.40	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	30.5		91 - 110	102%	SPK: 30
2037-26-5	Toluene-d8	29.9		91 - 112	100%	SPK: 30
460-00-4	4-Bromofluorobenzene	28.3		63 - 112	94%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	29500	7.812			
540-36-3	1,4-Difluorobenzene	159000	9.1			
3114-55-4	Chlorobenzene-d5	141000	11.865			

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Report of Analysis

Client:	New York City DEP of Environmental Protection/BWS	Date Collected:	
Project:	Industrial Wastewater Discharge Permit - Fall 2024	Date Received:	
Client Sample ID:	VN1127WBSD01	SDG No.:	P5018
Lab Sample ID:	VN1127WBSD01	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085054.D	1		11/27/24 12:55	VN112724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
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E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

CALIBRATION SUMMARY

Alliance TECHNICAL GROUP
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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: NEWY17

Lab Code: CHEM Case No.: P5018 SAS No.: P5018 SDG No.: P5018

Instrument ID: MSVOA_N Calibration Date(s): 10/31/2024 10/31/2024

Heated Purge: (Y/N) N Calibration Time(s): 12:08 18:13

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF005 = VN084613.D RRF020 = VN084614.D RRF050 = VN084615.D
RRF100 = VN084616.D RRF150 = VN084617.D RRFCAL = VN084626.D

COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRFCAL	RRF	% RSD
Dichlorodifluoromethane	1.762	1.842	1.727	1.647	1.746		1.745	4
Chloromethane	2.294	2.180	1.987	1.942	2.100		2.101	6.8
Vinyl Chloride	1.987	2.059	1.937	1.841	1.929		1.951	4.1
Bromomethane	1.026	1.087	0.943	0.927	0.969		0.990	6.7
Chloroethane	1.361	1.345	1.305	1.162	1.231		1.281	6.5
Trichlorofluoromethane	3.268	3.375	3.091	2.971	3.135		3.168	5
1,1,2-Trichlorotrifluoroethane	1.776	1.938	1.786	1.675	1.777		1.790	5.3
1,1-Dichloroethene	1.685	1.840	1.711	1.699	1.807		1.748	4
Acetone	0.231	0.235	0.223	0.223	0.233		0.229	2.3
Carbon Disulfide	5.140	5.375	5.016	4.956	5.235		5.144	3.3
Methyl tert-Butyl Ether	4.972	5.809	5.618	5.772	6.099		5.654	7.4
Methyl Acetate	3.900	2.690	2.326	2.302	2.408		2.725	24.8
Methylene Chloride	2.119	2.210	1.980	1.930	2.004		2.049	5.6
trans-1,2-Dichloroethene	1.819	1.905	1.810	1.776	1.854		1.833	2.7
1,1-Dichloroethane	3.711	3.802	3.469	3.417	3.534		3.587	4.6
Cyclohexane	0.444	0.511	0.520	0.517	0.539		0.506	7.2
2-Butanone	0.206	0.207	0.207	0.210	0.213		0.208	1.3
Carbon Tetrachloride	0.545	0.536	0.517	0.504	0.517		0.524	3.2
cis-1,2-Dichloroethene	2.121	2.237	2.172	2.141	2.269		2.188	2.9
Chloroform	3.764	3.915	3.598	3.469	3.627		3.675	4.6
1,1,1-Trichloroethane	0.631	0.645	0.604	0.593	0.595		0.614	3.8
Methylcyclohexane	0.429	0.479	0.495	0.504	0.526		0.486	7.5
Benzene	1.549	1.525	1.476	1.460	1.458		1.494	2.8
1,2-Dichloroethane	0.521	0.521	0.488	0.469	0.484		0.497	4.7
Trichloroethene	0.340	0.350	0.331	0.325	0.338		0.337	2.8
1,2-Dichloropropane	0.371	0.372	0.351	0.349	0.355		0.360	3.1
Bromodichloromethane	0.566	0.547	0.526	0.526	0.531		0.539	3.2
4-Methyl-2-Pentanone	0.453	0.490	0.472	0.475	0.478		0.473	2.8
Toluene	1.732	1.781	1.675	1.658	1.698		1.709	2.9
t-1,3-Dichloropropene	0.509	0.529	0.535	0.538	0.551		0.532	2.9

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: NEWY17

Lab Code: CHEM Case No.: P5018 SAS No.: P5018 SDG No.: P5018

Instrument ID: MSVOA_N Calibration Date(s): 10/31/2024 10/31/2024

Heated Purge: (Y/N) N Calibration Time(s): 12:08 18:13

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF005 = VN084613.D RRF020 = VN084614.D RRF050 = VN084615.D
RRF100 = VN084616.D RRF150 = VN084617.D RRFCAL = VN084626.D

COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRFCAL	$\overline{RRF}$	% RSD
cis-1,3-Dichloropropene	0.535	0.580	0.567	0.580	0.592		0.571	3.8
1,1,2-Trichloroethane	0.340	0.353	0.336	0.330	0.328		0.337	3
2-Hexanone	0.325	0.355	0.349	0.354	0.351		0.347	3.6
Dibromochloromethane	0.378	0.400	0.401	0.397	0.398		0.395	2.5
1,2-Dibromoethane	0.334	0.357	0.337	0.339	0.339		0.341	2.6
Tetrachloroethene	0.313	0.331	0.310	0.305	0.311		0.314	3.1
Chlorobenzene	1.030	1.071	1.018	1.011	1.028		1.032	2.3
Ethyl Benzene	1.596	1.824	1.829	1.836	1.894		1.796	6.4
m/p-Xylenes	0.615	0.710	0.706	0.695	0.712		0.687	6
o-Xylene	0.569	0.690	0.681	0.683	0.692		0.663	7.9
Styrene	0.911	1.136	1.179	1.154	1.180		1.112	10.2
Bromoform	0.254	0.262	0.269	0.270	0.268		0.265	2.6
Isopropylbenzene	1.407	1.671	1.715	1.692	1.752		1.647	8.3
1,1,2,2-Tetrachloroethane	0.555	0.568	0.529	0.510	0.509		0.534	4.9
1,3,5-Trimethylbenzene	1.193	1.438	1.480	1.442	1.485		1.408	8.6
1,3-Dichlorobenzene	0.736	0.812	0.793	0.787	0.801		0.786	3.7
1,4-Dichlorobenzene	0.729	0.784	0.790	0.779	0.801		0.776	3.6
1,2-Dichlorobenzene	0.724	0.821	0.787	0.760	0.780		0.774	4.6
1,2-Dibromo-3-Chloropropane	0.099	0.108	0.106	0.098	0.105		0.103	4.3
1,2,4-Trichlorobenzene	0.308	0.383	0.381	0.390	0.424		0.377	11.2
1,2,3-Trichlorobenzene	0.308	0.383	0.381	0.390	0.424		0.377	11.2
1,2-Dichloroethane-d4	2.444	2.473	2.377	2.353	2.413		2.412	2
Toluene-d8	1.451	1.442	1.416	1.393	1.398		1.420	1.8
4-Bromofluorobenzene	0.482	0.506	0.531	0.538	0.526		0.517	4.4

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: NEWY17

Lab Code: CHEM Case No.: P5018 SAS No.: P5018 SDG No.: P5018

Instrument ID: MSVOA_N Calibration Date/Time: 11/27/2024 11:44

Lab File ID: VN085052.D Init. Calib. Date(s): 10/31/2024 10/31/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:08 18:13

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF020	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	1.745	1.674		-4.07	
Chloromethane	2.101	1.893		-9.9	
Vinyl Chloride	1.951	1.786	0.1	-8.46	
Bromomethane	0.990	1.067	0.1	7.68	
Chloroethane	1.281	1.153		-9.99	
Trichlorofluoromethane	3.168	3.160		-0.25	
1,1,2-Trichlorotrifluoroethane	1.790	1.817		1.51	
1,1-Dichloroethene	1.748	1.652	0.1	-5.49	
Acetone	0.229	0.208		-9.17	
Carbon Disulfide	5.144	4.540		-11.74	
Methyl tert-Butyl Ether	5.654	5.120		-9.44	
Methyl Acetate	2.725	2.081		-23.63	
Methylene Chloride	2.049	1.867		-8.88	
trans-1,2-Dichloroethene	1.833	1.739		-5.13	
1,1-Dichloroethane	3.587	3.289	0.2	-8.31	
Cyclohexane	0.506	0.455		-10.08	
2-Butanone	0.208	0.178		-14.42	
Carbon Tetrachloride	0.524	0.506	0.1	-3.43	
cis-1,2-Dichloroethene	2.188	2.041		-6.72	
Chloroform	3.675	3.498	0.2	-4.82	
1,1,1-Trichloroethane	0.614	0.589	0.1	-4.07	
Methylcyclohexane	0.486	0.438		-9.88	
Benzene	1.494	1.359	0.5	-9.04	
1,2-Dichloroethane	0.497	0.465	0.1	-6.44	
Trichloroethene	0.337	0.318	0.3	-5.64	
1,2-Dichloropropane	0.360	0.335		-6.94	
Bromodichloromethane	0.539	0.495	0.2	-8.16	
4-Methyl-2-Pentanone	0.473	0.398		-15.86	
Toluene	1.709	1.592	0.4	-6.85	
t-1,3-Dichloropropene	0.532	0.485	0.1	-8.84	
cis-1,3-Dichloropropene	0.571	0.536	0.2	-6.13	
1,1,2-Trichloroethane	0.337	0.316	0.1	-6.23	
2-Hexanone	0.347	0.290		-16.43	
Dibromochloromethane	0.395	0.376	0.1	-4.81	
1,2-Dibromoethane	0.341	0.309		-9.38	
Tetrachloroethene	0.314	0.301	0.2	-4.14	
Chlorobenzene	1.032	0.987	0.5	-4.36	
Ethyl Benzene	1.796	1.622	0.1	-9.69	

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: NEWY17

Lab Code: CHEM Case No.: P5018 SAS No.: P5018 SDG No.: P5018

Instrument ID: MSVOA_N Calibration Date/Time: 11/27/2024 11:44

Lab File ID: VN085052.D Init. Calib. Date(s): 10/31/2024 10/31/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:08 18:13

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF020	MIN RRF	%D	MAX%D
m/p-Xylenes	0.687	0.636	0.3	-7.42	
o-Xylene	0.663	0.611	0.3	-7.84	
Styrene	1.112	1.036	0.3	-6.84	
Bromoform	0.265	0.236	0.1	-10.94	
Isopropylbenzene	1.647	1.539		-6.56	
1,1,2,2-Tetrachloroethane	0.534	0.477	0.3	-10.67	
1,3,5-Trimethylbenzene	1.408	1.353		-3.91	
1,3-Dichlorobenzene	0.786	0.743	0.2	-5.47	
1,4-Dichlorobenzene	0.776	0.748	0.2	-3.61	
1,2-Dichlorobenzene	0.774	0.715	0.2	-7.62	
1,2-Dibromo-3-Chloropropane	0.103	0.086		-16.5	
1,2,4-Trichlorobenzene	0.377	0.365	0.2	-3.18	
1,2,3-Trichlorobenzene	0.377	0.365		-3.18	
1,2-Dichloroethane-d4	2.412	2.387	0.01	-1.04	
Toluene-d8	1.420	1.388	0.01	-2.25	
4-Bromofluorobenzene	0.517	0.499	0.2	-3.48	

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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LAB CHRONICLE

OrderID:	P5018	**OrderDate:**	11/26/2024 12:20:00 PM
Client:	New York City DEP of Environmental Protection/BWS	**Project:**	Industrial Wastewater Discharge Permit - Fall 2024
Contact:	Nicholas Prokopowicz	**Location:**	L51,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P5018-07	**14B-(1-4)-COMP**	**Water**			**11/26/24**			**11/26/24**
			Mercury	245.1		12/02/24	12/02/24	
			Metals ICP-Group1	200.7		11/27/24	12/06/24	

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Hit Summary Sheet
SW-846

SDG No.: P5018 **Order ID:** P5018

Client: New York City DEP of Environmental Protection/BW **Project ID:** Industrial Wastewater Discharge Permit - Fa

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : 14B-(1-4)-COMP								
P5018-07	14B-(1-4)-COMP	Water	Aluminum	698000		10.6	50.0	ug/L
P5018-07	14B-(1-4)-COMP	Water	Arsenic	54.4		2.84	10.0	ug/L
P5018-07	14B-(1-4)-COMP	Water	Barium	543		11.3	50.0	ug/L
P5018-07	14B-(1-4)-COMP	Water	Cadmium	2.25	J	0.21	3.00	ug/L
P5018-07	14B-(1-4)-COMP	Water	Calcium	35400		51.8	1000	ug/L
P5018-07	14B-(1-4)-COMP	Water	Chromium	17.8		0.52	5.00	ug/L
P5018-07	14B-(1-4)-COMP	Water	Cobalt	6.13	J	0.88	15.0	ug/L
P5018-07	14B-(1-4)-COMP	Water	Copper	465		1.52	10.0	ug/L
P5018-07	14B-(1-4)-COMP	Water	Iron	23500		12.4	50.0	ug/L
P5018-07	14B-(1-4)-COMP	Water	Lead	17.2		1.57	6.00	ug/L
P5018-07	14B-(1-4)-COMP	Water	Magnesium	8520		61.2	1000	ug/L
P5018-07	14B-(1-4)-COMP	Water	Manganese	17600		0.87	10.0	ug/L
P5018-07	14B-(1-4)-COMP	Water	Mercury	0.53		0.022	0.20	ug/L
P5018-07	14B-(1-4)-COMP	Water	Nickel	18.3	J	1.28	20.0	ug/L
P5018-07	14B-(1-4)-COMP	Water	Potassium	3270		281	1000	ug/L
P5018-07	14B-(1-4)-COMP	Water	Selenium	9.57	J	3.07	10.0	ug/L
P5018-07	14B-(1-4)-COMP	Water	Silver	2.13	J	0.83	5.00	ug/L
P5018-07	14B-(1-4)-COMP	Water	Sodium	36300		448	1000	ug/L
P5018-07	14B-(1-4)-COMP	Water	Vanadium	24.5		2.40	20.0	ug/L
P5018-07	14B-(1-4)-COMP	Water	Zinc	127		1.44	20.0	ug/L

SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	New York City DEP of Environmental Protection/BWS	Date Collected:	11/26/24
Project:	Industrial Wastewater Discharge Permit - Fall 2024	Date Received:	11/26/24
Client Sample ID:	14B-(1-4)-COMP	SDG No.:	P5018
Lab Sample ID:	P5018-07	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	698000		1	10.6	50.0	ug/L	11/27/24 08:40	12/06/24 13:58	EPA 200.7	
7440-36-0	Antimony	2.96	U	1	2.96	25.0	ug/L	11/27/24 08:40	12/06/24 13:58	EPA 200.7	
7440-38-2	Arsenic	54.4		1	2.84	10.0	ug/L	11/27/24 08:40	12/06/24 13:58	EPA 200.7	
7440-39-3	Barium	543		1	11.3	50.0	ug/L	11/27/24 08:40	12/06/24 13:58	EPA 200.7	
7440-41-7	Beryllium	0.19	U	1	0.19	3.00	ug/L	11/27/24 08:40	12/06/24 13:58	EPA 200.7	
7440-43-9	Cadmium	2.25	J	1	0.21	3.00	ug/L	11/27/24 08:40	12/06/24 13:58	EPA 200.7	
7440-70-2	Calcium	35400		1	51.8	1000	ug/L	11/27/24 08:40	12/06/24 13:58	EPA 200.7	
7440-47-3	Chromium	17.8		1	0.52	5.00	ug/L	11/27/24 08:40	12/06/24 13:58	EPA 200.7	
7440-48-4	Cobalt	6.13	J	1	0.88	15.0	ug/L	11/27/24 08:40	12/06/24 13:58	EPA 200.7	
7440-50-8	Copper	465	N	1	1.52	10.0	ug/L	11/27/24 08:40	12/06/24 13:58	EPA 200.7	
7439-89-6	Iron	23500		1	12.4	50.0	ug/L	11/27/24 08:40	12/06/24 13:58	EPA 200.7	
7439-92-1	Lead	17.2		1	1.57	6.00	ug/L	11/27/24 08:40	12/06/24 13:58	EPA 200.7	
7439-95-4	Magnesium	8520		1	61.2	1000	ug/L	11/27/24 08:40	12/06/24 13:58	EPA 200.7	
7439-96-5	Manganese	17600		1	0.87	10.0	ug/L	11/27/24 08:40	12/06/24 13:58	EPA 200.7	
7439-97-6	Mercury	0.53	N	1	0.022	0.20	ug/L	12/02/24 11:18	12/02/24 14:09	E245.1	
7440-02-0	Nickel	18.3	J	1	1.28	20.0	ug/L	11/27/24 08:40	12/06/24 13:58	EPA 200.7	
7440-09-7	Potassium	3270		1	281	1000	ug/L	11/27/24 08:40	12/06/24 13:58	EPA 200.7	
7782-49-2	Selenium	9.57	J	1	3.07	10.0	ug/L	11/27/24 08:40	12/06/24 13:58	EPA 200.7	
7440-22-4	Silver	2.13	J	1	0.83	5.00	ug/L	11/27/24 08:40	12/06/24 13:58	EPA 200.7	
7440-23-5	Sodium	36300		1	448	1000	ug/L	11/27/24 08:40	12/06/24 13:58	EPA 200.7	
7440-28-0	Thallium	2.21	U	1	2.21	20.0	ug/L	11/27/24 08:40	12/06/24 13:58	EPA 200.7	
7440-62-2	Vanadium	24.5		1	2.40	20.0	ug/L	11/27/24 08:40	12/06/24 13:58	EPA 200.7	
7440-66-6	Zinc	127		1	1.44	20.0	ug/L	11/27/24 08:40	12/06/24 13:58	EPA 200.7	

Color Before:	Black	Clarity Before:	Clear	Texture:	
Color After:	Yellow	Clarity After:	Clear	Artifacts:	
Comments:	Metals Group1				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

METAL CALIBRATION DATA

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: New York City DEP of Environmental Protection/ **SDG No.:** P5018

Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P5018 **SAS No.:** P5018

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV107	Mercury	3.89	4.0	97	95 - 105	CV	12/02/2024	13:43	LB133684

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: New York City DEP of Environmental Protection/ **SDG No.:** P5018

Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P5018 **SAS No.:** P5018

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV69	Mercury	5.09	5.0	102	90 - 110	CV	12/02/2024	13:48	LB133684
CCV70	Mercury	4.79	5.0	96	90 - 110	CV	12/02/2024	14:18	LB133684
CCV71	Mercury	4.88	5.0	98	90 - 110	CV	12/02/2024	14:28	LB133684

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: New York City DEP of Environmental Protection/ **SDG No.:** P5018

Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P5018 **SAS No.:** P5018

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Aluminum	2570	2500	103	95 - 105	P	12/06/2024	12:14	LB133790
	Antimony	1020	1000	102	95 - 105	P	12/06/2024	12:14	LB133790
	Arsenic	995	1000	100	95 - 105	P	12/06/2024	12:14	LB133790
	Barium	516	520	99	95 - 105	P	12/06/2024	12:14	LB133790
	Beryllium	518	510	102	95 - 105	P	12/06/2024	12:14	LB133790
	Cadmium	503	510	99	95 - 105	P	12/06/2024	12:14	LB133790
	Calcium	10100	10000	101	95 - 105	P	12/06/2024	12:14	LB133790
	Chromium	526	520	101	95 - 105	P	12/06/2024	12:14	LB133790
	Cobalt	512	520	98	95 - 105	P	12/06/2024	12:14	LB133790
	Copper	528	510	104	95 - 105	P	12/06/2024	12:14	LB133790
	Iron	9870	10000	99	95 - 105	P	12/06/2024	12:14	LB133790
	Lead	1000	1000	100	95 - 105	P	12/06/2024	12:14	LB133790
	Magnesium	5930	6000	99	95 - 105	P	12/06/2024	12:14	LB133790
	Manganese	521	520	100	95 - 105	P	12/06/2024	12:14	LB133790
	Nickel	514	530	97	95 - 105	P	12/06/2024	12:14	LB133790
	Potassium	9770	9900	99	95 - 105	P	12/06/2024	12:14	LB133790
	Selenium	1030	1000	103	95 - 105	P	12/06/2024	12:14	LB133790
	Silver	253	250	101	95 - 105	P	12/06/2024	12:14	LB133790
	Sodium	9550	10000	96	95 - 105	P	12/06/2024	12:14	LB133790
	Thallium	1040	1000	104	95 - 105	P	12/06/2024	12:14	LB133790
	Vanadium	513	500	102	95 - 105	P	12/06/2024	12:14	LB133790
	Zinc	1030	1000	103	95 - 105	P	12/06/2024	12:14	LB133790

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: New York City DEP of Environmental Protection/ **SDG No.:** P5018

Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P5018 **SAS No.:** P5018

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Aluminum	105	100	105	80 - 120	P	12/06/2024	12:20	LB133790
	Antimony	51.1	50.0	102	80 - 120	P	12/06/2024	12:20	LB133790
	Arsenic	19.8	20.0	99	80 - 120	P	12/06/2024	12:20	LB133790
	Barium	96.9	100	97	80 - 120	P	12/06/2024	12:20	LB133790
	Beryllium	6.20	6.0	103	80 - 120	P	12/06/2024	12:20	LB133790
	Cadmium	5.98	6.0	100	80 - 120	P	12/06/2024	12:20	LB133790
	Calcium	2050	2000	102	80 - 120	P	12/06/2024	12:20	LB133790
	Chromium	10.0	10.0	100	80 - 120	P	12/06/2024	12:20	LB133790
	Cobalt	29.5	30.0	98	80 - 120	P	12/06/2024	12:20	LB133790
	Copper	22.1	20.0	111	80 - 120	P	12/06/2024	12:20	LB133790
	Iron	98.1	100	98	80 - 120	P	12/06/2024	12:20	LB133790
	Lead	10.5	12.0	88	80 - 120	P	12/06/2024	12:20	LB133790
	Magnesium	2140	2000	107	80 - 120	P	12/06/2024	12:20	LB133790
	Manganese	20.6	20.0	103	80 - 120	P	12/06/2024	12:20	LB133790
	Nickel	39.5	40.0	99	80 - 120	P	12/06/2024	12:20	LB133790
	Potassium	1890	2000	95	80 - 120	P	12/06/2024	12:20	LB133790
	Selenium	18.0	20.0	90	80 - 120	P	12/06/2024	12:20	LB133790
	Silver	10.6	10.0	106	80 - 120	P	12/06/2024	12:20	LB133790
	Sodium	1810	2000	90	80 - 120	P	12/06/2024	12:20	LB133790
	Thallium	40.1	40.0	100	80 - 120	P	12/06/2024	12:20	LB133790
	Vanadium	39.8	40.0	100	80 - 120	P	12/06/2024	12:20	LB133790
	Zinc	42.2	40.0	105	80 - 120	P	12/06/2024	12:20	LB133790

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: New York City DEP of Environmental Protection/ **SDG No.:** P5018

Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P5018 **SAS No.:** P5018

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Aluminum	10000	10000	100	90 - 110	P	12/06/2024	13:09	LB133790
	Antimony	4950	5000	99	90 - 110	P	12/06/2024	13:09	LB133790
	Arsenic	5010	5000	100	90 - 110	P	12/06/2024	13:09	LB133790
	Barium	9800	10000	98	90 - 110	P	12/06/2024	13:09	LB133790
	Beryllium	249	250	100	90 - 110	P	12/06/2024	13:09	LB133790
	Cadmium	2520	2500	101	90 - 110	P	12/06/2024	13:09	LB133790
	Calcium	24700	25000	99	90 - 110	P	12/06/2024	13:09	LB133790
	Chromium	1020	1000	102	90 - 110	P	12/06/2024	13:09	LB133790
	Cobalt	2510	2500	100	90 - 110	P	12/06/2024	13:09	LB133790
	Copper	1280	1250	102	90 - 110	P	12/06/2024	13:09	LB133790
	Iron	4940	5000	99	90 - 110	P	12/06/2024	13:09	LB133790
	Lead	5020	5000	100	90 - 110	P	12/06/2024	13:09	LB133790
	Magnesium	24800	25000	99	90 - 110	P	12/06/2024	13:09	LB133790
	Manganese	2440	2500	98	90 - 110	P	12/06/2024	13:09	LB133790
	Nickel	2510	2500	100	90 - 110	P	12/06/2024	13:09	LB133790
	Potassium	24700	25000	99	90 - 110	P	12/06/2024	13:09	LB133790
	Selenium	5060	5000	101	90 - 110	P	12/06/2024	13:09	LB133790
	Silver	1250	1250	100	90 - 110	P	12/06/2024	13:09	LB133790
	Sodium	24300	25000	97	90 - 110	P	12/06/2024	13:09	LB133790
	Thallium	5050	5000	101	90 - 110	P	12/06/2024	13:09	LB133790
	Vanadium	2500	2500	100	90 - 110	P	12/06/2024	13:09	LB133790
	Zinc	2550	2500	102	90 - 110	P	12/06/2024	13:09	LB133790
CCV02	Aluminum	9810	10000	98	90 - 110	P	12/06/2024	13:38	LB133790
	Antimony	4850	5000	97	90 - 110	P	12/06/2024	13:38	LB133790
	Arsenic	4880	5000	98	90 - 110	P	12/06/2024	13:38	LB133790
	Barium	9400	10000	94	90 - 110	P	12/06/2024	13:38	LB133790
	Beryllium	244	250	98	90 - 110	P	12/06/2024	13:38	LB133790
	Cadmium	2460	2500	98	90 - 110	P	12/06/2024	13:38	LB133790
	Calcium	24200	25000	97	90 - 110	P	12/06/2024	13:38	LB133790
	Chromium	1010	1000	101	90 - 110	P	12/06/2024	13:38	LB133790
	Cobalt	2450	2500	98	90 - 110	P	12/06/2024	13:38	LB133790
	Copper	1250	1250	100	90 - 110	P	12/06/2024	13:38	LB133790
	Iron	4810	5000	96	90 - 110	P	12/06/2024	13:38	LB133790
	Lead	4900	5000	98	90 - 110	P	12/06/2024	13:38	LB133790

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: New York City DEP of Environmental Protection/ **SDG No.:** P5018

Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P5018 **SAS No.:** P5018

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Magnesium	24400	25000	98	90 - 110	P	12/06/2024	13:38	LB133790
	Manganese	2360	2500	95	90 - 110	P	12/06/2024	13:38	LB133790
	Nickel	2450	2500	98	90 - 110	P	12/06/2024	13:38	LB133790
	Potassium	23900	25000	96	90 - 110	P	12/06/2024	13:38	LB133790
	Selenium	4940	5000	99	90 - 110	P	12/06/2024	13:38	LB133790
	Silver	1230	1250	98	90 - 110	P	12/06/2024	13:38	LB133790
	Sodium	23500	25000	94	90 - 110	P	12/06/2024	13:38	LB133790
	Thallium	4910	5000	98	90 - 110	P	12/06/2024	13:38	LB133790
	Vanadium	2440	2500	98	90 - 110	P	12/06/2024	13:38	LB133790
	Zinc	2500	2500	100	90 - 110	P	12/06/2024	13:38	LB133790
CCV03	Aluminum	9820	10000	98	90 - 110	P	12/06/2024	14:42	LB133790
	Antimony	4780	5000	96	90 - 110	P	12/06/2024	14:42	LB133790
	Arsenic	4820	5000	96	90 - 110	P	12/06/2024	14:42	LB133790
	Barium	9370	10000	94	90 - 110	P	12/06/2024	14:42	LB133790
	Beryllium	245	250	98	90 - 110	P	12/06/2024	14:42	LB133790
	Cadmium	2450	2500	98	90 - 110	P	12/06/2024	14:42	LB133790
	Calcium	24200	25000	97	90 - 110	P	12/06/2024	14:42	LB133790
	Chromium	1000	1000	100	90 - 110	P	12/06/2024	14:42	LB133790
	Cobalt	2430	2500	97	90 - 110	P	12/06/2024	14:42	LB133790
	Copper	1230	1250	99	90 - 110	P	12/06/2024	14:42	LB133790
	Iron	4770	5000	95	90 - 110	P	12/06/2024	14:42	LB133790
	Lead	4880	5000	98	90 - 110	P	12/06/2024	14:42	LB133790
	Magnesium	24300	25000	97	90 - 110	P	12/06/2024	14:42	LB133790
	Manganese	2360	2500	94	90 - 110	P	12/06/2024	14:42	LB133790
	Nickel	2440	2500	98	90 - 110	P	12/06/2024	14:42	LB133790
	Potassium	23300	25000	93	90 - 110	P	12/06/2024	14:42	LB133790
	Selenium	4870	5000	97	90 - 110	P	12/06/2024	14:42	LB133790
	Silver	1210	1250	97	90 - 110	P	12/06/2024	14:42	LB133790
	Sodium	24900	25000	100	90 - 110	P	12/06/2024	14:42	LB133790
	Thallium	4850	5000	97	90 - 110	P	12/06/2024	14:42	LB133790
	Vanadium	2450	2500	98	90 - 110	P	12/06/2024	14:42	LB133790
	Zinc	2470	2500	99	90 - 110	P	12/06/2024	14:42	LB133790
CCV04	Aluminum	9820	10000	98	90 - 110	P	12/06/2024	15:40	LB133790
	Antimony	4780	5000	96	90 - 110	P	12/06/2024	15:40	LB133790

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: New York City DEP of Environmental Protection/ **SDG No.:** P5018

Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P5018 **SAS No.:** P5018

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV04	Arsenic	4870	5000	97	90 - 110	P	12/06/2024	15:40	LB133790
	Barium	9560	10000	96	90 - 110	P	12/06/2024	15:40	LB133790
	Beryllium	250	250	100	90 - 110	P	12/06/2024	15:40	LB133790
	Cadmium	2500	2500	100	90 - 110	P	12/06/2024	15:40	LB133790
	Calcium	24600	25000	98	90 - 110	P	12/06/2024	15:40	LB133790
	Chromium	1020	1000	102	90 - 110	P	12/06/2024	15:40	LB133790
	Cobalt	2480	2500	99	90 - 110	P	12/06/2024	15:40	LB133790
	Copper	1240	1250	100	90 - 110	P	12/06/2024	15:40	LB133790
	Iron	4880	5000	98	90 - 110	P	12/06/2024	15:40	LB133790
	Lead	4960	5000	99	90 - 110	P	12/06/2024	15:40	LB133790
	Magnesium	24800	25000	99	90 - 110	P	12/06/2024	15:40	LB133790
	Manganese	2420	2500	97	90 - 110	P	12/06/2024	15:40	LB133790
	Nickel	2480	2500	99	90 - 110	P	12/06/2024	15:40	LB133790
	Potassium	23500	25000	94	90 - 110	P	12/06/2024	15:40	LB133790
	Selenium	4910	5000	98	90 - 110	P	12/06/2024	15:40	LB133790
	Silver	1230	1250	98	90 - 110	P	12/06/2024	15:40	LB133790
	Sodium	25600	25000	102	90 - 110	P	12/06/2024	15:40	LB133790
	Thallium	4910	5000	98	90 - 110	P	12/06/2024	15:40	LB133790
	Vanadium	2480	2500	99	90 - 110	P	12/06/2024	15:40	LB133790
	Zinc	2430	2500	97	90 - 110	P	12/06/2024	15:40	LB133790
CCV05	Aluminum	9800	10000	98	90 - 110	P	12/06/2024	16:35	LB133790
	Antimony	4730	5000	95	90 - 110	P	12/06/2024	16:35	LB133790
	Arsenic	4810	5000	96	90 - 110	P	12/06/2024	16:35	LB133790
	Barium	9510	10000	95	90 - 110	P	12/06/2024	16:35	LB133790
	Beryllium	250	250	100	90 - 110	P	12/06/2024	16:35	LB133790
	Cadmium	2460	2500	98	90 - 110	P	12/06/2024	16:35	LB133790
	Calcium	24500	25000	98	90 - 110	P	12/06/2024	16:35	LB133790
	Chromium	1010	1000	100	90 - 110	P	12/06/2024	16:35	LB133790
	Cobalt	2440	2500	98	90 - 110	P	12/06/2024	16:35	LB133790
	Copper	1230	1250	99	90 - 110	P	12/06/2024	16:35	LB133790
	Iron	4850	5000	97	90 - 110	P	12/06/2024	16:35	LB133790
	Lead	4890	5000	98	90 - 110	P	12/06/2024	16:35	LB133790
	Magnesium	24500	25000	98	90 - 110	P	12/06/2024	16:35	LB133790
	Manganese	2420	2500	97	90 - 110	P	12/06/2024	16:35	LB133790

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: New York City DEP of Environmental Protection/ **SDG No.:** P5018

Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P5018 **SAS No.:** P5018

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV05	Nickel	2450	2500	98	90 - 110	P	12/06/2024	16:35	LB133790
	Potassium	23200	25000	93	90 - 110	P	12/06/2024	16:35	LB133790
	Selenium	4850	5000	97	90 - 110	P	12/06/2024	16:35	LB133790
	Silver	1220	1250	98	90 - 110	P	12/06/2024	16:35	LB133790
	Sodium	25300	25000	101	90 - 110	P	12/06/2024	16:35	LB133790
	Thallium	4820	5000	96	90 - 110	P	12/06/2024	16:35	LB133790
	Vanadium	2470	2500	99	90 - 110	P	12/06/2024	16:35	LB133790
	Zinc	2380	2500	95	90 - 110	P	12/06/2024	16:35	LB133790
CCV06	Aluminum	9980	10000	100	90 - 110	P	12/06/2024	17:27	LB133790
	Antimony	4840	5000	97	90 - 110	P	12/06/2024	17:27	LB133790
	Arsenic	4950	5000	99	90 - 110	P	12/06/2024	17:27	LB133790
	Barium	9680	10000	97	90 - 110	P	12/06/2024	17:27	LB133790
	Beryllium	253	250	101	90 - 110	P	12/06/2024	17:27	LB133790
	Cadmium	2540	2500	102	90 - 110	P	12/06/2024	17:27	LB133790
	Calcium	24900	25000	100	90 - 110	P	12/06/2024	17:27	LB133790
	Chromium	1030	1000	103	90 - 110	P	12/06/2024	17:27	LB133790
	Cobalt	2510	2500	100	90 - 110	P	12/06/2024	17:27	LB133790
	Copper	1260	1250	101	90 - 110	P	12/06/2024	17:27	LB133790
	Iron	4910	5000	98	90 - 110	P	12/06/2024	17:27	LB133790
	Lead	5020	5000	100	90 - 110	P	12/06/2024	17:27	LB133790
	Magnesium	25000	25000	100	90 - 110	P	12/06/2024	17:27	LB133790
	Manganese	2440	2500	98	90 - 110	P	12/06/2024	17:27	LB133790
	Nickel	2520	2500	101	90 - 110	P	12/06/2024	17:27	LB133790
	Potassium	23700	25000	95	90 - 110	P	12/06/2024	17:27	LB133790
	Selenium	5000	5000	100	90 - 110	P	12/06/2024	17:27	LB133790
	Silver	1250	1250	100	90 - 110	P	12/06/2024	17:27	LB133790
	Sodium	22500	25000	90	90 - 110	P	12/06/2024	17:27	LB133790
	Thallium	4930	5000	99	90 - 110	P	12/06/2024	17:27	LB133790
	Vanadium	2520	2500	101	90 - 110	P	12/06/2024	17:27	LB133790
	Zinc	2480	2500	99	90 - 110	P	12/06/2024	17:27	LB133790
CCV07	Aluminum	9730	10000	97	90 - 110	P	12/06/2024	18:21	LB133790
	Antimony	4710	5000	94	90 - 110	P	12/06/2024	18:21	LB133790
	Arsenic	4810	5000	96	90 - 110	P	12/06/2024	18:21	LB133790
	Barium	9300	10000	93	90 - 110	P	12/06/2024	18:21	LB133790

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: New York City DEP of Environmental Protection/ **SDG No.:** P5018

Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P5018 **SAS No.:** P5018

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV07	Beryllium	251	250	101	90 - 110	P	12/06/2024	18:21	LB133790
	Cadmium	2490	2500	100	90 - 110	P	12/06/2024	18:21	LB133790
	Calcium	24400	25000	98	90 - 110	P	12/06/2024	18:21	LB133790
	Chromium	1010	1000	101	90 - 110	P	12/06/2024	18:21	LB133790
	Cobalt	2470	2500	99	90 - 110	P	12/06/2024	18:21	LB133790
	Copper	1230	1250	99	90 - 110	P	12/06/2024	18:21	LB133790
	Iron	4760	5000	95	90 - 110	P	12/06/2024	18:21	LB133790
	Lead	4930	5000	99	90 - 110	P	12/06/2024	18:21	LB133790
	Magnesium	24500	25000	98	90 - 110	P	12/06/2024	18:21	LB133790
	Manganese	2400	2500	96	90 - 110	P	12/06/2024	18:21	LB133790
	Nickel	2470	2500	99	90 - 110	P	12/06/2024	18:21	LB133790
	Potassium	22800	25000	91	90 - 110	P	12/06/2024	18:21	LB133790
	Selenium	4860	5000	97	90 - 110	P	12/06/2024	18:21	LB133790
	Silver	1220	1250	98	90 - 110	P	12/06/2024	18:21	LB133790
	Sodium	26000	25000	104	90 - 110	P	12/06/2024	18:21	LB133790
	Thallium	4870	5000	97	90 - 110	P	12/06/2024	18:21	LB133790
	Vanadium	2460	2500	98	90 - 110	P	12/06/2024	18:21	LB133790
	Zinc	2440	2500	98	90 - 110	P	12/06/2024	18:21	LB133790

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: New York City DEP of Environmental Protection/ **SDG No.:** P5018

Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P5018 **SAS No.:** P5018

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Aluminum	2490	2500	100	95 - 105	P	12/09/2024	11:35	LB133834
	Antimony	980	1000	98	95 - 105	P	12/09/2024	11:35	LB133834
	Arsenic	955	1000	96	95 - 105	P	12/09/2024	11:35	LB133834
	Barium	508	520	98	95 - 105	P	12/09/2024	11:35	LB133834
	Beryllium	525	510	103	95 - 105	P	12/09/2024	11:35	LB133834
	Cadmium	494	510	97	95 - 105	P	12/09/2024	11:35	LB133834
	Calcium	10100	10000	101	95 - 105	P	12/09/2024	11:35	LB133834
	Chromium	517	520	99	95 - 105	P	12/09/2024	11:35	LB133834
	Cobalt	500	520	96	95 - 105	P	12/09/2024	11:35	LB133834
	Copper	508	510	100	95 - 105	P	12/09/2024	11:35	LB133834
	Iron	9630	10000	96	95 - 105	P	12/09/2024	11:35	LB133834
	Lead	971	1000	97	95 - 105	P	12/09/2024	11:35	LB133834
	Magnesium	5940	6000	99	95 - 105	P	12/09/2024	11:35	LB133834
	Manganese	520	520	100	95 - 105	P	12/09/2024	11:35	LB133834
	Nickel	550	530	104	95 - 105	P	12/09/2024	11:35	LB133834
	Potassium	10200	9900	103	95 - 105	P	12/09/2024	11:35	LB133834
	Selenium	975	1000	98	95 - 105	P	12/09/2024	11:35	LB133834
	Silver	248	250	99	95 - 105	P	12/09/2024	11:35	LB133834
	Sodium	10400	10000	104	95 - 105	P	12/09/2024	11:35	LB133834
	Thallium	1010	1000	101	95 - 105	P	12/09/2024	11:35	LB133834
	Vanadium	506	500	101	95 - 105	P	12/09/2024	11:35	LB133834
	Zinc	999	1000	100	95 - 105	P	12/09/2024	11:35	LB133834

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: New York City DEP of Environmental Protection/ **SDG No.:** P5018

Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P5018 **SAS No.:** P5018

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Aluminum	107	100	107	80 - 120	P	12/09/2024	11:49	LB133834
	Antimony	50.9	50.0	102	80 - 120	P	12/09/2024	11:49	LB133834
	Arsenic	18.7	20.0	94	80 - 120	P	12/09/2024	11:49	LB133834
	Barium	99.3	100	99	80 - 120	P	12/09/2024	11:49	LB133834
	Beryllium	6.16	6.0	103	80 - 120	P	12/09/2024	11:49	LB133834
	Cadmium	5.91	6.0	98	80 - 120	P	12/09/2024	11:49	LB133834
	Calcium	2130	2000	106	80 - 120	P	12/09/2024	11:49	LB133834
	Chromium	11.3	10.0	113	80 - 120	P	12/09/2024	11:49	LB133834
	Cobalt	29.4	30.0	98	80 - 120	P	12/09/2024	11:49	LB133834
	Copper	22.3	20.0	111	80 - 120	P	12/09/2024	11:49	LB133834
	Iron	93.5	100	94	80 - 120	P	12/09/2024	11:49	LB133834
	Lead	12.3	12.0	102	80 - 120	P	12/09/2024	11:49	LB133834
	Magnesium	2250	2000	112	80 - 120	P	12/09/2024	11:49	LB133834
	Manganese	21.5	20.0	107	80 - 120	P	12/09/2024	11:49	LB133834
	Nickel	39.5	40.0	99	80 - 120	P	12/09/2024	11:49	LB133834
	Potassium	1830	2000	92	80 - 120	P	12/09/2024	11:49	LB133834
	Selenium	21.1	20.0	106	80 - 120	P	12/09/2024	11:49	LB133834
	Silver	9.94	10.0	99	80 - 120	P	12/09/2024	11:49	LB133834
	Sodium	1770	2000	89	80 - 120	P	12/09/2024	11:49	LB133834
	Thallium	39.5	40.0	99	80 - 120	P	12/09/2024	11:49	LB133834
	Vanadium	42.1	40.0	105	80 - 120	P	12/09/2024	11:49	LB133834
	Zinc	42.5	40.0	106	80 - 120	P	12/09/2024	11:49	LB133834

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: New York City DEP of Environmental Protection/ **SDG No.:** P5018

Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P5018 **SAS No.:** P5018

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Aluminum	9760	10000	98	90 - 110	P	12/09/2024	12:29	LB133834
	Antimony	4890	5000	98	90 - 110	P	12/09/2024	12:29	LB133834
	Arsenic	4840	5000	97	90 - 110	P	12/09/2024	12:29	LB133834
	Barium	9640	10000	96	90 - 110	P	12/09/2024	12:29	LB133834
	Beryllium	249	250	100	90 - 110	P	12/09/2024	12:29	LB133834
	Cadmium	2430	2500	97	90 - 110	P	12/09/2024	12:29	LB133834
	Calcium	24300	25000	97	90 - 110	P	12/09/2024	12:29	LB133834
	Chromium	993	1000	99	90 - 110	P	12/09/2024	12:29	LB133834
	Cobalt	2420	2500	97	90 - 110	P	12/09/2024	12:29	LB133834
	Copper	1220	1250	98	90 - 110	P	12/09/2024	12:29	LB133834
	Iron	4760	5000	95	90 - 110	P	12/09/2024	12:29	LB133834
	Lead	4850	5000	97	90 - 110	P	12/09/2024	12:29	LB133834
	Magnesium	24200	25000	97	90 - 110	P	12/09/2024	12:29	LB133834
	Manganese	2390	2500	96	90 - 110	P	12/09/2024	12:29	LB133834
	Nickel	2420	2500	97	90 - 110	P	12/09/2024	12:29	LB133834
	Potassium	24000	25000	96	90 - 110	P	12/09/2024	12:29	LB133834
	Selenium	4880	5000	98	90 - 110	P	12/09/2024	12:29	LB133834
	Silver	1230	1250	98	90 - 110	P	12/09/2024	12:29	LB133834
	Sodium	24000	25000	96	90 - 110	P	12/09/2024	12:29	LB133834
	Thallium	5080	5000	102	90 - 110	P	12/09/2024	12:29	LB133834
	Vanadium	2450	2500	98	90 - 110	P	12/09/2024	12:29	LB133834
	Zinc	2480	2500	99	90 - 110	P	12/09/2024	12:29	LB133834
CCV02	Aluminum	9930	10000	99	90 - 110	P	12/09/2024	13:30	LB133834
	Antimony	5210	5000	104	90 - 110	P	12/09/2024	13:30	LB133834
	Arsenic	5090	5000	102	90 - 110	P	12/09/2024	13:30	LB133834
	Barium	9940	10000	99	90 - 110	P	12/09/2024	13:30	LB133834
	Beryllium	234	250	93	90 - 110	P	12/09/2024	13:30	LB133834
	Cadmium	2430	2500	97	90 - 110	P	12/09/2024	13:30	LB133834
	Calcium	23600	25000	94	90 - 110	P	12/09/2024	13:30	LB133834
	Chromium	984	1000	98	90 - 110	P	12/09/2024	13:30	LB133834
	Cobalt	2430	2500	97	90 - 110	P	12/09/2024	13:30	LB133834
	Copper	1280	1250	103	90 - 110	P	12/09/2024	13:30	LB133834
	Iron	4890	5000	98	90 - 110	P	12/09/2024	13:30	LB133834
	Lead	4850	5000	97	90 - 110	P	12/09/2024	13:30	LB133834

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: New York City DEP of Environmental Protection/ **SDG No.:** P5018

Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P5018 **SAS No.:** P5018

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Magnesium	23400	25000	94	90 - 110	P	12/09/2024	13:30	LB133834
	Manganese	2350	2500	94	90 - 110	P	12/09/2024	13:30	LB133834
	Nickel	2430	2500	97	90 - 110	P	12/09/2024	13:30	LB133834
	Potassium	25800	25000	103	90 - 110	P	12/09/2024	13:30	LB133834
	Selenium	5240	5000	105	90 - 110	P	12/09/2024	13:30	LB133834
	Silver	1240	1250	100	90 - 110	P	12/09/2024	13:30	LB133834
	Sodium	25600	25000	102	90 - 110	P	12/09/2024	13:30	LB133834
	Thallium	5210	5000	104	90 - 110	P	12/09/2024	13:30	LB133834
	Vanadium	2430	2500	97	90 - 110	P	12/09/2024	13:30	LB133834
	Zinc	2540	2500	102	90 - 110	P	12/09/2024	13:30	LB133834
CCV03	Aluminum	9740	10000	97	90 - 110	P	12/09/2024	14:23	LB133834
	Antimony	5060	5000	101	90 - 110	P	12/09/2024	14:23	LB133834
	Arsenic	4930	5000	99	90 - 110	P	12/09/2024	14:23	LB133834
	Barium	9920	10000	99	90 - 110	P	12/09/2024	14:23	LB133834
	Beryllium	233	250	93	90 - 110	P	12/09/2024	14:23	LB133834
	Cadmium	2420	2500	97	90 - 110	P	12/09/2024	14:23	LB133834
	Calcium	23500	25000	94	90 - 110	P	12/09/2024	14:23	LB133834
	Chromium	967	1000	97	90 - 110	P	12/09/2024	14:23	LB133834
	Cobalt	2410	2500	96	90 - 110	P	12/09/2024	14:23	LB133834
	Copper	1260	1250	101	90 - 110	P	12/09/2024	14:23	LB133834
	Iron	4870	5000	97	90 - 110	P	12/09/2024	14:23	LB133834
	Lead	4790	5000	96	90 - 110	P	12/09/2024	14:23	LB133834
	Magnesium	23200	25000	93	90 - 110	P	12/09/2024	14:23	LB133834
	Manganese	2360	2500	94	90 - 110	P	12/09/2024	14:23	LB133834
	Nickel	2410	2500	97	90 - 110	P	12/09/2024	14:23	LB133834
	Potassium	25400	25000	102	90 - 110	P	12/09/2024	14:23	LB133834
	Selenium	5010	5000	100	90 - 110	P	12/09/2024	14:23	LB133834
	Silver	1220	1250	98	90 - 110	P	12/09/2024	14:23	LB133834
	Sodium	25900	25000	104	90 - 110	P	12/09/2024	14:23	LB133834
	Thallium	4900	5000	98	90 - 110	P	12/09/2024	14:23	LB133834
	Vanadium	2420	2500	97	90 - 110	P	12/09/2024	14:23	LB133834
	Zinc	2500	2500	100	90 - 110	P	12/09/2024	14:23	LB133834
CCV04	Aluminum	9580	10000	96	90 - 110	P	12/09/2024	15:13	LB133834
	Antimony	4940	5000	99	90 - 110	P	12/09/2024	15:13	LB133834

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: New York City DEP of Environmental Protection/ **SDG No.:** P5018

Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P5018 **SAS No.:** P5018

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV04	Arsenic	4850	5000	97	90 - 110	P	12/09/2024	15:13	LB133834
	Barium	9630	10000	96	90 - 110	P	12/09/2024	15:13	LB133834
	Beryllium	234	250	94	90 - 110	P	12/09/2024	15:13	LB133834
	Cadmium	2370	2500	95	90 - 110	P	12/09/2024	15:13	LB133834
	Calcium	23200	25000	93	90 - 110	P	12/09/2024	15:13	LB133834
	Chromium	952	1000	95	90 - 110	P	12/09/2024	15:13	LB133834
	Cobalt	2360	2500	94	90 - 110	P	12/09/2024	15:13	LB133834
	Copper	1220	1250	98	90 - 110	P	12/09/2024	15:13	LB133834
	Iron	4720	5000	94	90 - 110	P	12/09/2024	15:13	LB133834
	Lead	4720	5000	94	90 - 110	P	12/09/2024	15:13	LB133834
	Magnesium	23000	25000	92	90 - 110	P	12/09/2024	15:13	LB133834
	Manganese	2320	2500	93	90 - 110	P	12/09/2024	15:13	LB133834
	Nickel	2370	2500	95	90 - 110	P	12/09/2024	15:13	LB133834
	Potassium	24300	25000	97	90 - 110	P	12/09/2024	15:13	LB133834
	Selenium	4940	5000	99	90 - 110	P	12/09/2024	15:13	LB133834
	Silver	1200	1250	96	90 - 110	P	12/09/2024	15:13	LB133834
	Sodium	23800	25000	95	90 - 110	P	12/09/2024	15:13	LB133834
	Thallium	5090	5000	102	90 - 110	P	12/09/2024	15:13	LB133834
	Vanadium	2360	2500	95	90 - 110	P	12/09/2024	15:13	LB133834
	Zinc	2410	2500	97	90 - 110	P	12/09/2024	15:13	LB133834
CCV05	Aluminum	9430	10000	94	90 - 110	P	12/09/2024	15:52	LB133834
	Antimony	4930	5000	98	90 - 110	P	12/09/2024	15:52	LB133834
	Arsenic	4810	5000	96	90 - 110	P	12/09/2024	15:52	LB133834
	Barium	9700	10000	97	90 - 110	P	12/09/2024	15:52	LB133834
	Beryllium	229	250	92	90 - 110	P	12/09/2024	15:52	LB133834
	Cadmium	2320	2500	93	90 - 110	P	12/09/2024	15:52	LB133834
	Calcium	22700	25000	91	90 - 110	P	12/09/2024	15:52	LB133834
	Chromium	925	1000	92	90 - 110	P	12/09/2024	15:52	LB133834
	Cobalt	2320	2500	93	90 - 110	P	12/09/2024	15:52	LB133834
	Copper	1220	1250	98	90 - 110	P	12/09/2024	15:52	LB133834
	Iron	4670	5000	93	90 - 110	P	12/09/2024	15:52	LB133834
	Lead	4610	5000	92	90 - 110	P	12/09/2024	15:52	LB133834
	Magnesium	24400	25000	98	90 - 110	P	12/09/2024	15:52	LB133834
	Manganese	2300	2500	92	90 - 110	P	12/09/2024	15:52	LB133834

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: New York City DEP of Environmental Protection/ **SDG No.:** P5018

Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P5018 **SAS No.:** P5018

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV05	Nickel	2320	2500	93	90 - 110	P	12/09/2024	15:52	LB133834
	Potassium	24400	25000	98	90 - 110	P	12/09/2024	15:52	LB133834
	Selenium	4900	5000	98	90 - 110	P	12/09/2024	15:52	LB133834
	Silver	1180	1250	94	90 - 110	P	12/09/2024	15:52	LB133834
	Sodium	23800	25000	95	90 - 110	P	12/09/2024	15:52	LB133834
	Thallium	4870	5000	97	90 - 110	P	12/09/2024	15:52	LB133834
	Vanadium	2330	2500	93	90 - 110	P	12/09/2024	15:52	LB133834
	Zinc	2350	2500	94	90 - 110	P	12/09/2024	15:52	LB133834

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Metals

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CRDL STANDARD FOR AA & ICP

Client: New York City DEP of Environmental Protection/B **SDG No.:** P5018

Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P5018 **SAS No.:** P5018

Initial Calibration Source:

Continuing Calibration Source:

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRA	Mercury	0.045	0.05	90	40 - 160	CV	12/02/2024	13:56	LB133684
CRI01	Aluminum	105	100	104	40 - 160	P	12/06/2024	12:28	LB133790
	Antimony	50.1	50.0	100	40 - 160	P	12/06/2024	12:28	LB133790
	Arsenic	20.2	20.0	101	40 - 160	P	12/06/2024	12:28	LB133790
	Barium	97.5	100	98	40 - 160	P	12/06/2024	12:28	LB133790
	Beryllium	6.20	6.0	103	40 - 160	P	12/06/2024	12:28	LB133790
	Cadmium	5.89	6.0	98	40 - 160	P	12/06/2024	12:28	LB133790
	Calcium	2060	2000	103	40 - 160	P	12/06/2024	12:28	LB133790
	Chromium	10.0	10.0	100	40 - 160	P	12/06/2024	12:28	LB133790
	Cobalt	29.5	30.0	98	40 - 160	P	12/06/2024	12:28	LB133790
	Copper	22.0	20.0	110	40 - 160	P	12/06/2024	12:28	LB133790
	Iron	96.6	100	97	40 - 160	P	12/06/2024	12:28	LB133790
	Lead	11.1	12.0	93	40 - 160	P	12/06/2024	12:28	LB133790
	Magnesium	2160	2000	108	40 - 160	P	12/06/2024	12:28	LB133790
	Manganese	21.0	20.0	105	40 - 160	P	12/06/2024	12:28	LB133790
	Nickel	40.0	40.0	100	40 - 160	P	12/06/2024	12:28	LB133790
	Potassium	1910	2000	96	40 - 160	P	12/06/2024	12:28	LB133790
	Selenium	19.8	20.0	99	40 - 160	P	12/06/2024	12:28	LB133790
	Silver	10.3	10.0	103	40 - 160	P	12/06/2024	12:28	LB133790
	Sodium	1810	2000	90	40 - 160	P	12/06/2024	12:28	LB133790
	Thallium	41.4	40.0	104	40 - 160	P	12/06/2024	12:28	LB133790
	Vanadium	40.3	40.0	101	40 - 160	P	12/06/2024	12:28	LB133790
	Zinc	42.4	40.0	106	40 - 160	P	12/06/2024	12:28	LB133790
CRI01	Aluminum	105	100	104	40 - 160	P	12/09/2024	11:59	LB133834
	Antimony	50.2	50.0	100	40 - 160	P	12/09/2024	11:59	LB133834
	Arsenic	20.0	20.0	100	40 - 160	P	12/09/2024	11:59	LB133834
	Barium	96.4	100	96	40 - 160	P	12/09/2024	11:59	LB133834
	Beryllium	6.07	6.0	101	40 - 160	P	12/09/2024	11:59	LB133834
	Cadmium	5.65	6.0	94	40 - 160	P	12/09/2024	11:59	LB133834
	Calcium	2060	2000	103	40 - 160	P	12/09/2024	11:59	LB133834
	Chromium	9.89	10.0	99	40 - 160	P	12/09/2024	11:59	LB133834
	Cobalt	28.6	30.0	95	40 - 160	P	12/09/2024	11:59	LB133834
	Copper	21.8	20.0	109	40 - 160	P	12/09/2024	11:59	LB133834
	Iron	93.6	100	94	40 - 160	P	12/09/2024	11:59	LB133834
	Lead	11.0	12.0	91	40 - 160	P	12/09/2024	11:59	LB133834

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Metals

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CRDL STANDARD FOR AA & ICP

Client: New York City DEP of Environmental Protection/B **SDG No.:** P5018

Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P5018 **SAS No.:** P5018

Initial Calibration Source:

Continuing Calibration Source:

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRI01	Magnesium	2160	2000	108	40 - 160	P	12/09/2024	11:59	LB133834
	Manganese	20.5	20.0	103	40 - 160	P	12/09/2024	11:59	LB133834
	Nickel	38.6	40.0	96	40 - 160	P	12/09/2024	11:59	LB133834
	Potassium	1910	2000	96	40 - 160	P	12/09/2024	11:59	LB133834
	Selenium	18.4	20.0	92	40 - 160	P	12/09/2024	11:59	LB133834
	Silver	9.73	10.0	97	40 - 160	P	12/09/2024	11:59	LB133834
	Sodium	1800	2000	90	40 - 160	P	12/09/2024	11:59	LB133834
	Thallium	40.0	40.0	100	40 - 160	P	12/09/2024	11:59	LB133834
	Vanadium	40.0	40.0	100	40 - 160	P	12/09/2024	11:59	LB133834
	Zinc	42.2	40.0	106	40 - 160	P	12/09/2024	11:59	LB133834

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: New York City DEP of Environmental Protection/B **SDG No.:** P5018

Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P5018 **SAS No.:** P5018

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB107	Mercury	0.20	+/-0.20	U	0.20	CV	12/02/2024	13:45	LB133684

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: New York City DEP of Environmental Protection/B **SDG No.:** P5018

Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P5018 **SAS No.:** P5018

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB69	Mercury	0.20	+/-0.20	U	0.20	CV	12/02/2024	13:50	LB133684
CCB70	Mercury	0.20	+/-0.20	U	0.20	CV	12/02/2024	14:21	LB133684
CCB71	Mercury	0.20	+/-0.20	U	0.20	CV	12/02/2024	14:30	LB133684

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: New York City DEP of Environmental Protection/B **SDG No.:** P5018

Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P5018 **SAS No.:** P5018

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	100	+/-100	U	100	P	12/06/2024	12:24	LB133790
	Antimony	50.0	+/-50.0	U	50.0	P	12/06/2024	12:24	LB133790
	Arsenic	20.0	+/-20.0	U	20.0	P	12/06/2024	12:24	LB133790
	Barium	100	+/-100	U	100	P	12/06/2024	12:24	LB133790
	Beryllium	6.00	+/-6.00	U	6.00	P	12/06/2024	12:24	LB133790
	Cadmium	6.00	+/-6.00	U	6.00	P	12/06/2024	12:24	LB133790
	Calcium	2000	+/-2000	U	2000	P	12/06/2024	12:24	LB133790
	Chromium	10.0	+/-10.0	U	10.0	P	12/06/2024	12:24	LB133790
	Cobalt	30.0	+/-30.0	U	30.0	P	12/06/2024	12:24	LB133790
	Copper	20.0	+/-20.0	U	20.0	P	12/06/2024	12:24	LB133790
	Iron	100	+/-100	U	100	P	12/06/2024	12:24	LB133790
	Lead	12.0	+/-12.0	U	12.0	P	12/06/2024	12:24	LB133790
	Magnesium	2000	+/-2000	U	2000	P	12/06/2024	12:24	LB133790
	Manganese	20.0	+/-20.0	U	20.0	P	12/06/2024	12:24	LB133790
	Nickel	40.0	+/-40.0	U	40.0	P	12/06/2024	12:24	LB133790
	Potassium	2000	+/-2000	U	2000	P	12/06/2024	12:24	LB133790
	Selenium	20.0	+/-20.0	U	20.0	P	12/06/2024	12:24	LB133790
	Silver	10.0	+/-10.0	U	10.0	P	12/06/2024	12:24	LB133790
	Sodium	2000	+/-2000	U	2000	P	12/06/2024	12:24	LB133790
	Thallium	40.0	+/-40.0	U	40.0	P	12/06/2024	12:24	LB133790
	Vanadium	40.0	+/-40.0	U	40.0	P	12/06/2024	12:24	LB133790
	Zinc	40.0	+/-40.0	U	40.0	P	12/06/2024	12:24	LB133790

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: New York City DEP of Environmental Protection/B **SDG No.:** P5018

Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P5018 **SAS No.:** P5018

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	100	+/-100	U	100	P	12/06/2024	13:13	LB133790
	Antimony	50.0	+/-50.0	U	50.0	P	12/06/2024	13:13	LB133790
	Arsenic	20.0	+/-20.0	U	20.0	P	12/06/2024	13:13	LB133790
	Barium	100	+/-100	U	100	P	12/06/2024	13:13	LB133790
	Beryllium	6.00	+/-6.00	U	6.00	P	12/06/2024	13:13	LB133790
	Cadmium	6.00	+/-6.00	U	6.00	P	12/06/2024	13:13	LB133790
	Calcium	2000	+/-2000	U	2000	P	12/06/2024	13:13	LB133790
	Chromium	10.0	+/-10.0	U	10.0	P	12/06/2024	13:13	LB133790
	Cobalt	30.0	+/-30.0	U	30.0	P	12/06/2024	13:13	LB133790
	Copper	20.0	+/-20.0	U	20.0	P	12/06/2024	13:13	LB133790
	Iron	100	+/-100	U	100	P	12/06/2024	13:13	LB133790
	Lead	12.0	+/-12.0	U	12.0	P	12/06/2024	13:13	LB133790
	Magnesium	2000	+/-2000	U	2000	P	12/06/2024	13:13	LB133790
	Manganese	20.0	+/-20.0	U	20.0	P	12/06/2024	13:13	LB133790
	Nickel	40.0	+/-40.0	U	40.0	P	12/06/2024	13:13	LB133790
	Potassium	2000	+/-2000	U	2000	P	12/06/2024	13:13	LB133790
	Selenium	20.0	+/-20.0	U	20.0	P	12/06/2024	13:13	LB133790
	Silver	10.0	+/-10.0	U	10.0	P	12/06/2024	13:13	LB133790
	Sodium	2000	+/-2000	U	2000	P	12/06/2024	13:13	LB133790
	Thallium	40.0	+/-40.0	U	40.0	P	12/06/2024	13:13	LB133790
	Vanadium	40.0	+/-40.0	U	40.0	P	12/06/2024	13:13	LB133790
	Zinc	40.0	+/-40.0	U	40.0	P	12/06/2024	13:13	LB133790
CCB02	Aluminum	100	+/-100	U	100	P	12/06/2024	13:42	LB133790
	Antimony	50.0	+/-50.0	U	50.0	P	12/06/2024	13:42	LB133790
	Arsenic	20.0	+/-20.0	U	20.0	P	12/06/2024	13:42	LB133790
	Barium	100	+/-100	U	100	P	12/06/2024	13:42	LB133790
	Beryllium	6.00	+/-6.00	U	6.00	P	12/06/2024	13:42	LB133790
	Cadmium	6.00	+/-6.00	U	6.00	P	12/06/2024	13:42	LB133790
	Calcium	2000	+/-2000	U	2000	P	12/06/2024	13:42	LB133790
	Chromium	10.0	+/-10.0	U	10.0	P	12/06/2024	13:42	LB133790
	Cobalt	30.0	+/-30.0	U	30.0	P	12/06/2024	13:42	LB133790
	Copper	20.0	+/-20.0	U	20.0	P	12/06/2024	13:42	LB133790
	Iron	100	+/-100	U	100	P	12/06/2024	13:42	LB133790
	Lead	12.0	+/-12.0	U	12.0	P	12/06/2024	13:42	LB133790
	Magnesium	2000	+/-2000	U	2000	P	12/06/2024	13:42	LB133790
	Manganese	20.0	+/-20.0	U	20.0	P	12/06/2024	13:42	LB133790
	Nickel	40.0	+/-40.0	U	40.0	P	12/06/2024	13:42	LB133790
	Potassium	2000	+/-2000	U	2000	P	12/06/2024	13:42	LB133790
	Selenium	20.0	+/-20.0	U	20.0	P	12/06/2024	13:42	LB133790

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: New York City DEP of Environmental Protection/B **SDG No.:** P5018

Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P5018 **SAS No.:** P5018

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	10.0	+/-10.0	U	10.0	P	12/06/2024	13:42	LB133790
	Sodium	2000	+/-2000	U	2000	P	12/06/2024	13:42	LB133790
	Thallium	40.0	+/-40.0	U	40.0	P	12/06/2024	13:42	LB133790
	Vanadium	40.0	+/-40.0	U	40.0	P	12/06/2024	13:42	LB133790
	Zinc	40.0	+/-40.0	U	40.0	P	12/06/2024	13:42	LB133790
CCB03	Aluminum	100	+/-100	U	100	P	12/06/2024	14:46	LB133790
	Antimony	50.0	+/-50.0	U	50.0	P	12/06/2024	14:46	LB133790
	Arsenic	20.0	+/-20.0	U	20.0	P	12/06/2024	14:46	LB133790
	Barium	100	+/-100	U	100	P	12/06/2024	14:46	LB133790
	Beryllium	6.00	+/-6.00	U	6.00	P	12/06/2024	14:46	LB133790
	Cadmium	6.00	+/-6.00	U	6.00	P	12/06/2024	14:46	LB133790
	Calcium	2000	+/-2000	U	2000	P	12/06/2024	14:46	LB133790
	Chromium	10.0	+/-10.0	U	10.0	P	12/06/2024	14:46	LB133790
	Cobalt	30.0	+/-30.0	U	30.0	P	12/06/2024	14:46	LB133790
	Copper	20.0	+/-20.0	U	20.0	P	12/06/2024	14:46	LB133790
	Iron	100	+/-100	U	100	P	12/06/2024	14:46	LB133790
	Lead	12.0	+/-12.0	U	12.0	P	12/06/2024	14:46	LB133790
	Magnesium	2000	+/-2000	U	2000	P	12/06/2024	14:46	LB133790
	Manganese	20.0	+/-20.0	U	20.0	P	12/06/2024	14:46	LB133790
	Nickel	40.0	+/-40.0	U	40.0	P	12/06/2024	14:46	LB133790
	Potassium	2000	+/-2000	U	2000	P	12/06/2024	14:46	LB133790
	Selenium	20.0	+/-20.0	U	20.0	P	12/06/2024	14:46	LB133790
	Silver	10.0	+/-10.0	U	10.0	P	12/06/2024	14:46	LB133790
	Sodium	2000	+/-2000	U	2000	P	12/06/2024	14:46	LB133790
	Thallium	40.0	+/-40.0	U	40.0	P	12/06/2024	14:46	LB133790
	Vanadium	40.0	+/-40.0	U	40.0	P	12/06/2024	14:46	LB133790
	Zinc	40.0	+/-40.0	U	40.0	P	12/06/2024	14:46	LB133790
CCB04	Aluminum	100	+/-100	U	100	P	12/06/2024	15:44	LB133790
	Antimony	50.0	+/-50.0	U	50.0	P	12/06/2024	15:44	LB133790
	Arsenic	20.0	+/-20.0	U	20.0	P	12/06/2024	15:44	LB133790
	Barium	100	+/-100	U	100	P	12/06/2024	15:44	LB133790
	Beryllium	6.00	+/-6.00	U	6.00	P	12/06/2024	15:44	LB133790
	Cadmium	6.00	+/-6.00	U	6.00	P	12/06/2024	15:44	LB133790
	Calcium	2000	+/-2000	U	2000	P	12/06/2024	15:44	LB133790
	Chromium	10.0	+/-10.0	U	10.0	P	12/06/2024	15:44	LB133790
	Cobalt	30.0	+/-30.0	U	30.0	P	12/06/2024	15:44	LB133790
	Copper	20.0	+/-20.0	U	20.0	P	12/06/2024	15:44	LB133790
	Iron	100	+/-100	U	100	P	12/06/2024	15:44	LB133790
	Lead	12.0	+/-12.0	U	12.0	P	12/06/2024	15:44	LB133790

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: New York City DEP of Environmental Protection/B **SDG No.:** P5018

Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P5018 **SAS No.:** P5018

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	2000	+/-2000	U	2000	P	12/06/2024	15:44	LB133790
	Manganese	20.0	+/-20.0	U	20.0	P	12/06/2024	15:44	LB133790
	Nickel	40.0	+/-40.0	U	40.0	P	12/06/2024	15:44	LB133790
	Potassium	2000	+/-2000	U	2000	P	12/06/2024	15:44	LB133790
	Selenium	20.0	+/-20.0	U	20.0	P	12/06/2024	15:44	LB133790
	Silver	10.0	+/-10.0	U	10.0	P	12/06/2024	15:44	LB133790
	Sodium	2000	+/-2000	U	2000	P	12/06/2024	15:44	LB133790
	Thallium	40.0	+/-40.0	U	40.0	P	12/06/2024	15:44	LB133790
	Vanadium	40.0	+/-40.0	U	40.0	P	12/06/2024	15:44	LB133790
	Zinc	40.0	+/-40.0	U	40.0	P	12/06/2024	15:44	LB133790
CCB05	Aluminum	100	+/-100	U	100	P	12/06/2024	16:39	LB133790
	Antimony	50.0	+/-50.0	U	50.0	P	12/06/2024	16:39	LB133790
	Arsenic	20.0	+/-20.0	U	20.0	P	12/06/2024	16:39	LB133790
	Barium	100	+/-100	U	100	P	12/06/2024	16:39	LB133790
	Beryllium	6.00	+/-6.00	U	6.00	P	12/06/2024	16:39	LB133790
	Cadmium	6.00	+/-6.00	U	6.00	P	12/06/2024	16:39	LB133790
	Calcium	2000	+/-2000	U	2000	P	12/06/2024	16:39	LB133790
	Chromium	10.0	+/-10.0	U	10.0	P	12/06/2024	16:39	LB133790
	Cobalt	30.0	+/-30.0	U	30.0	P	12/06/2024	16:39	LB133790
	Copper	20.0	+/-20.0	U	20.0	P	12/06/2024	16:39	LB133790
	Iron	100	+/-100	U	100	P	12/06/2024	16:39	LB133790
	Lead	12.0	+/-12.0	U	12.0	P	12/06/2024	16:39	LB133790
	Magnesium	2000	+/-2000	U	2000	P	12/06/2024	16:39	LB133790
	Manganese	20.0	+/-20.0	U	20.0	P	12/06/2024	16:39	LB133790
	Nickel	40.0	+/-40.0	U	40.0	P	12/06/2024	16:39	LB133790
	Potassium	2000	+/-2000	U	2000	P	12/06/2024	16:39	LB133790
	Selenium	20.0	+/-20.0	U	20.0	P	12/06/2024	16:39	LB133790
	Silver	10.0	+/-10.0	U	10.0	P	12/06/2024	16:39	LB133790
	Sodium	2000	+/-2000	U	2000	P	12/06/2024	16:39	LB133790
	Thallium	40.0	+/-40.0	U	40.0	P	12/06/2024	16:39	LB133790
	Vanadium	40.0	+/-40.0	U	40.0	P	12/06/2024	16:39	LB133790
	Zinc	40.0	+/-40.0	U	40.0	P	12/06/2024	16:39	LB133790
CCB06	Aluminum	100	+/-100	U	100	P	12/06/2024	17:31	LB133790
	Antimony	50.0	+/-50.0	U	50.0	P	12/06/2024	17:31	LB133790
	Arsenic	20.0	+/-20.0	U	20.0	P	12/06/2024	17:31	LB133790
	Barium	100	+/-100	U	100	P	12/06/2024	17:31	LB133790
	Beryllium	6.00	+/-6.00	U	6.00	P	12/06/2024	17:31	LB133790
	Cadmium	6.00	+/-6.00	U	6.00	P	12/06/2024	17:31	LB133790
	Calcium	2000	+/-2000	U	2000	P	12/06/2024	17:31	LB133790

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: New York City DEP of Environmental Protection/B **SDG No.:** P5018

Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P5018 **SAS No.:** P5018

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Chromium	10.0	+/-10.0	U	10.0	P	12/06/2024	17:31	LB133790
	Cobalt	30.0	+/-30.0	U	30.0	P	12/06/2024	17:31	LB133790
	Copper	20.0	+/-20.0	U	20.0	P	12/06/2024	17:31	LB133790
	Iron	100	+/-100	U	100	P	12/06/2024	17:31	LB133790
	Lead	12.0	+/-12.0	U	12.0	P	12/06/2024	17:31	LB133790
	Magnesium	2000	+/-2000	U	2000	P	12/06/2024	17:31	LB133790
	Manganese	20.0	+/-20.0	U	20.0	P	12/06/2024	17:31	LB133790
	Nickel	40.0	+/-40.0	U	40.0	P	12/06/2024	17:31	LB133790
	Potassium	2000	+/-2000	U	2000	P	12/06/2024	17:31	LB133790
	Selenium	20.0	+/-20.0	U	20.0	P	12/06/2024	17:31	LB133790
	Silver	10.0	+/-10.0	U	10.0	P	12/06/2024	17:31	LB133790
	Sodium	2000	+/-2000	U	2000	P	12/06/2024	17:31	LB133790
	Thallium	40.0	+/-40.0	U	40.0	P	12/06/2024	17:31	LB133790
	Vanadium	40.0	+/-40.0	U	40.0	P	12/06/2024	17:31	LB133790
	Zinc	40.0	+/-40.0	U	40.0	P	12/06/2024	17:31	LB133790
CCB07	Aluminum	100	+/-100	U	100	P	12/06/2024	18:27	LB133790
	Antimony	50.0	+/-50.0	U	50.0	P	12/06/2024	18:27	LB133790
	Arsenic	20.0	+/-20.0	U	20.0	P	12/06/2024	18:27	LB133790
	Barium	100	+/-100	U	100	P	12/06/2024	18:27	LB133790
	Beryllium	6.00	+/-6.00	U	6.00	P	12/06/2024	18:27	LB133790
	Cadmium	6.00	+/-6.00	U	6.00	P	12/06/2024	18:27	LB133790
	Calcium	2000	+/-2000	U	2000	P	12/06/2024	18:27	LB133790
	Chromium	10.0	+/-10.0	U	10.0	P	12/06/2024	18:27	LB133790
	Cobalt	30.0	+/-30.0	U	30.0	P	12/06/2024	18:27	LB133790
	Copper	20.0	+/-20.0	U	20.0	P	12/06/2024	18:27	LB133790
	Iron	100	+/-100	U	100	P	12/06/2024	18:27	LB133790
	Lead	12.0	+/-12.0	U	12.0	P	12/06/2024	18:27	LB133790
	Magnesium	2000	+/-2000	U	2000	P	12/06/2024	18:27	LB133790
	Manganese	20.0	+/-20.0	U	20.0	P	12/06/2024	18:27	LB133790
	Nickel	40.0	+/-40.0	U	40.0	P	12/06/2024	18:27	LB133790
	Potassium	2000	+/-2000	U	2000	P	12/06/2024	18:27	LB133790
	Selenium	20.0	+/-20.0	U	20.0	P	12/06/2024	18:27	LB133790
	Silver	10.0	+/-10.0	U	10.0	P	12/06/2024	18:27	LB133790
	Sodium	2000	+/-2000	U	2000	P	12/06/2024	18:27	LB133790
	Thallium	40.0	+/-40.0	U	40.0	P	12/06/2024	18:27	LB133790
	Vanadium	40.0	+/-40.0	U	40.0	P	12/06/2024	18:27	LB133790
	Zinc	40.0	+/-40.0	U	40.0	P	12/06/2024	18:27	LB133790

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: New York City DEP of Environmental Protection/B **SDG No.:** P5018

Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P5018 **SAS No.:** P5018

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	100	+/-100	U	100	P	12/09/2024	11:54	LB133834
	Antimony	50.0	+/-50.0	U	50.0	P	12/09/2024	11:54	LB133834
	Arsenic	20.0	+/-20.0	U	20.0	P	12/09/2024	11:54	LB133834
	Barium	100	+/-100	U	100	P	12/09/2024	11:54	LB133834
	Beryllium	6.00	+/-6.00	U	6.00	P	12/09/2024	11:54	LB133834
	Cadmium	6.00	+/-6.00	U	6.00	P	12/09/2024	11:54	LB133834
	Calcium	2000	+/-2000	U	2000	P	12/09/2024	11:54	LB133834
	Chromium	10.0	+/-10.0	U	10.0	P	12/09/2024	11:54	LB133834
	Cobalt	30.0	+/-30.0	U	30.0	P	12/09/2024	11:54	LB133834
	Copper	20.0	+/-20.0	U	20.0	P	12/09/2024	11:54	LB133834
	Iron	100	+/-100	U	100	P	12/09/2024	11:54	LB133834
	Lead	12.0	+/-12.0	U	12.0	P	12/09/2024	11:54	LB133834
	Magnesium	2000	+/-2000	U	2000	P	12/09/2024	11:54	LB133834
	Manganese	20.0	+/-20.0	U	20.0	P	12/09/2024	11:54	LB133834
	Nickel	40.0	+/-40.0	U	40.0	P	12/09/2024	11:54	LB133834
	Potassium	2000	+/-2000	U	2000	P	12/09/2024	11:54	LB133834
	Selenium	20.0	+/-20.0	U	20.0	P	12/09/2024	11:54	LB133834
	Silver	10.0	+/-10.0	U	10.0	P	12/09/2024	11:54	LB133834
	Sodium	2000	+/-2000	U	2000	P	12/09/2024	11:54	LB133834
	Thallium	40.0	+/-40.0	U	40.0	P	12/09/2024	11:54	LB133834
	Vanadium	40.0	+/-40.0	U	40.0	P	12/09/2024	11:54	LB133834
	Zinc	40.0	+/-40.0	U	40.0	P	12/09/2024	11:54	LB133834

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: New York City DEP of Environmental Protection/B **SDG No.:** P5018

Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P5018 **SAS No.:** P5018

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	100	+/-100	U	100	P	12/09/2024	12:34	LB133834
	Antimony	50.0	+/-50.0	U	50.0	P	12/09/2024	12:34	LB133834
	Arsenic	20.0	+/-20.0	U	20.0	P	12/09/2024	12:34	LB133834
	Barium	100	+/-100	U	100	P	12/09/2024	12:34	LB133834
	Beryllium	6.00	+/-6.00	U	6.00	P	12/09/2024	12:34	LB133834
	Cadmium	6.00	+/-6.00	U	6.00	P	12/09/2024	12:34	LB133834
	Calcium	2000	+/-2000	U	2000	P	12/09/2024	12:34	LB133834
	Chromium	10.0	+/-10.0	U	10.0	P	12/09/2024	12:34	LB133834
	Cobalt	30.0	+/-30.0	U	30.0	P	12/09/2024	12:34	LB133834
	Copper	20.0	+/-20.0	U	20.0	P	12/09/2024	12:34	LB133834
	Iron	100	+/-100	U	100	P	12/09/2024	12:34	LB133834
	Lead	12.0	+/-12.0	U	12.0	P	12/09/2024	12:34	LB133834
	Magnesium	2000	+/-2000	U	2000	P	12/09/2024	12:34	LB133834
	Manganese	20.0	+/-20.0	U	20.0	P	12/09/2024	12:34	LB133834
	Nickel	40.0	+/-40.0	U	40.0	P	12/09/2024	12:34	LB133834
	Potassium	2000	+/-2000	U	2000	P	12/09/2024	12:34	LB133834
	Selenium	20.0	+/-20.0	U	20.0	P	12/09/2024	12:34	LB133834
	Silver	10.0	+/-10.0	U	10.0	P	12/09/2024	12:34	LB133834
	Sodium	2000	+/-2000	U	2000	P	12/09/2024	12:34	LB133834
	Thallium	40.0	+/-40.0	U	40.0	P	12/09/2024	12:34	LB133834
	Vanadium	40.0	+/-40.0	U	40.0	P	12/09/2024	12:34	LB133834
	Zinc	40.0	+/-40.0	U	40.0	P	12/09/2024	12:34	LB133834
CCB02	Aluminum	100	+/-100	U	100	P	12/09/2024	13:35	LB133834
	Antimony	50.0	+/-50.0	U	50.0	P	12/09/2024	13:35	LB133834
	Arsenic	20.0	+/-20.0	U	20.0	P	12/09/2024	13:35	LB133834
	Barium	100	+/-100	U	100	P	12/09/2024	13:35	LB133834
	Beryllium	6.00	+/-6.00	U	6.00	P	12/09/2024	13:35	LB133834
	Cadmium	6.00	+/-6.00	U	6.00	P	12/09/2024	13:35	LB133834
	Calcium	2000	+/-2000	U	2000	P	12/09/2024	13:35	LB133834
	Chromium	10.0	+/-10.0	U	10.0	P	12/09/2024	13:35	LB133834
	Cobalt	30.0	+/-30.0	U	30.0	P	12/09/2024	13:35	LB133834
	Copper	20.0	+/-20.0	U	20.0	P	12/09/2024	13:35	LB133834
	Iron	100	+/-100	U	100	P	12/09/2024	13:35	LB133834
	Lead	12.0	+/-12.0	U	12.0	P	12/09/2024	13:35	LB133834
	Magnesium	2000	+/-2000	U	2000	P	12/09/2024	13:35	LB133834
	Manganese	20.0	+/-20.0	U	20.0	P	12/09/2024	13:35	LB133834
	Nickel	40.0	+/-40.0	U	40.0	P	12/09/2024	13:35	LB133834
	Potassium	2000	+/-2000	U	2000	P	12/09/2024	13:35	LB133834
	Selenium	20.0	+/-20.0	U	20.0	P	12/09/2024	13:35	LB133834

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: New York City DEP of Environmental Protection/B **SDG No.:** P5018

Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P5018 **SAS No.:** P5018

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	10.0	+/-10.0	U	10.0	P	12/09/2024	13:35	LB133834
	Sodium	2000	+/-2000	U	2000	P	12/09/2024	13:35	LB133834
	Thallium	40.0	+/-40.0	U	40.0	P	12/09/2024	13:35	LB133834
	Vanadium	40.0	+/-40.0	U	40.0	P	12/09/2024	13:35	LB133834
	Zinc	40.0	+/-40.0	U	40.0	P	12/09/2024	13:35	LB133834
CCB03	Aluminum	100	+/-100	U	100	P	12/09/2024	14:27	LB133834
	Antimony	50.0	+/-50.0	U	50.0	P	12/09/2024	14:27	LB133834
	Arsenic	20.0	+/-20.0	U	20.0	P	12/09/2024	14:27	LB133834
	Barium	100	+/-100	U	100	P	12/09/2024	14:27	LB133834
	Beryllium	6.00	+/-6.00	U	6.00	P	12/09/2024	14:27	LB133834
	Cadmium	6.00	+/-6.00	U	6.00	P	12/09/2024	14:27	LB133834
	Calcium	2000	+/-2000	U	2000	P	12/09/2024	14:27	LB133834
	Chromium	10.0	+/-10.0	U	10.0	P	12/09/2024	14:27	LB133834
	Cobalt	30.0	+/-30.0	U	30.0	P	12/09/2024	14:27	LB133834
	Copper	20.0	+/-20.0	U	20.0	P	12/09/2024	14:27	LB133834
	Iron	100	+/-100	U	100	P	12/09/2024	14:27	LB133834
	Lead	12.0	+/-12.0	U	12.0	P	12/09/2024	14:27	LB133834
	Magnesium	2000	+/-2000	U	2000	P	12/09/2024	14:27	LB133834
	Manganese	20.0	+/-20.0	U	20.0	P	12/09/2024	14:27	LB133834
	Nickel	40.0	+/-40.0	U	40.0	P	12/09/2024	14:27	LB133834
	Potassium	2000	+/-2000	U	2000	P	12/09/2024	14:27	LB133834
	Selenium	20.0	+/-20.0	U	20.0	P	12/09/2024	14:27	LB133834
	Silver	10.0	+/-10.0	U	10.0	P	12/09/2024	14:27	LB133834
	Sodium	2000	+/-2000	U	2000	P	12/09/2024	14:27	LB133834
	Thallium	40.0	+/-40.0	U	40.0	P	12/09/2024	14:27	LB133834
	Vanadium	40.0	+/-40.0	U	40.0	P	12/09/2024	14:27	LB133834
	Zinc	40.0	+/-40.0	U	40.0	P	12/09/2024	14:27	LB133834
CCB04	Aluminum	100	+/-100	U	100	P	12/09/2024	15:17	LB133834
	Antimony	50.0	+/-50.0	U	50.0	P	12/09/2024	15:17	LB133834
	Arsenic	20.0	+/-20.0	U	20.0	P	12/09/2024	15:17	LB133834
	Barium	100	+/-100	U	100	P	12/09/2024	15:17	LB133834
	Beryllium	6.00	+/-6.00	U	6.00	P	12/09/2024	15:17	LB133834
	Cadmium	6.00	+/-6.00	U	6.00	P	12/09/2024	15:17	LB133834
	Calcium	2000	+/-2000	U	2000	P	12/09/2024	15:17	LB133834
	Chromium	10.0	+/-10.0	U	10.0	P	12/09/2024	15:17	LB133834
	Cobalt	30.0	+/-30.0	U	30.0	P	12/09/2024	15:17	LB133834
	Copper	20.0	+/-20.0	U	20.0	P	12/09/2024	15:17	LB133834
	Iron	100	+/-100	U	100	P	12/09/2024	15:17	LB133834
	Lead	12.0	+/-12.0	U	12.0	P	12/09/2024	15:17	LB133834

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: New York City DEP of Environmental Protection/B **SDG No.:** P5018

Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P5018 **SAS No.:** P5018

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	2000	+/-2000	U	2000	P	12/09/2024	15:17	LB133834
	Manganese	20.0	+/-20.0	U	20.0	P	12/09/2024	15:17	LB133834
	Nickel	40.0	+/-40.0	U	40.0	P	12/09/2024	15:17	LB133834
	Potassium	2000	+/-2000	U	2000	P	12/09/2024	15:17	LB133834
	Selenium	20.0	+/-20.0	U	20.0	P	12/09/2024	15:17	LB133834
	Silver	10.0	+/-10.0	U	10.0	P	12/09/2024	15:17	LB133834
	Sodium	2000	+/-2000	U	2000	P	12/09/2024	15:17	LB133834
	Thallium	40.0	+/-40.0	U	40.0	P	12/09/2024	15:17	LB133834
	Vanadium	40.0	+/-40.0	U	40.0	P	12/09/2024	15:17	LB133834
	Zinc	40.0	+/-40.0	U	40.0	P	12/09/2024	15:17	LB133834
CCB05	Aluminum	100	+/-100	U	100	P	12/09/2024	15:56	LB133834
	Antimony	50.0	+/-50.0	U	50.0	P	12/09/2024	15:56	LB133834
	Arsenic	20.0	+/-20.0	U	20.0	P	12/09/2024	15:56	LB133834
	Barium	100	+/-100	U	100	P	12/09/2024	15:56	LB133834
	Beryllium	6.00	+/-6.00	U	6.00	P	12/09/2024	15:56	LB133834
	Cadmium	6.00	+/-6.00	U	6.00	P	12/09/2024	15:56	LB133834
	Calcium	2000	+/-2000	U	2000	P	12/09/2024	15:56	LB133834
	Chromium	10.0	+/-10.0	U	10.0	P	12/09/2024	15:56	LB133834
	Cobalt	30.0	+/-30.0	U	30.0	P	12/09/2024	15:56	LB133834
	Copper	20.0	+/-20.0	U	20.0	P	12/09/2024	15:56	LB133834
	Iron	100	+/-100	U	100	P	12/09/2024	15:56	LB133834
	Lead	12.0	+/-12.0	U	12.0	P	12/09/2024	15:56	LB133834
	Magnesium	2000	+/-2000	U	2000	P	12/09/2024	15:56	LB133834
	Manganese	20.0	+/-20.0	U	20.0	P	12/09/2024	15:56	LB133834
	Nickel	40.0	+/-40.0	U	40.0	P	12/09/2024	15:56	LB133834
	Potassium	2000	+/-2000	U	2000	P	12/09/2024	15:56	LB133834
	Selenium	20.0	+/-20.0	U	20.0	P	12/09/2024	15:56	LB133834
	Silver	10.0	+/-10.0	U	10.0	P	12/09/2024	15:56	LB133834
	Sodium	2000	+/-2000	U	2000	P	12/09/2024	15:56	LB133834
	Thallium	40.0	+/-40.0	U	40.0	P	12/09/2024	15:56	LB133834
	Vanadium	40.0	+/-40.0	U	40.0	P	12/09/2024	15:56	LB133834
	Zinc	40.0	+/-40.0	U	40.0	P	12/09/2024	15:56	LB133834

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Metals
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PREPARATION BLANK SUMMARY

Client: New York City DEP of Environmental Protecti **SDG No.:** P5018

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB165329BL		**WATER**		**Batch Number:**	**PB165329**		**Prep Date:**	**12/02/2024**	
	Mercury	0.20	<0.20	U	0.20	CV	12/02/2024	14:02	LB133684

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Metals
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PREPARATION BLANK SUMMARY

Client: New York City DEP of Environmental Protecti **SDG No.:** P5018

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB165287BL		**WATER**		**Batch Number:**	**PB165287**		**Prep Date:**	**11/27/2024**	
	Aluminum	50.0	<50.0	U	50.0	P	12/09/2024	12:46	LB133834
	Antimony	25.0	<25.0	U	25.0	P	12/09/2024	12:46	LB133834
	Arsenic	10.0	<10.0	U	10.0	P	12/09/2024	12:46	LB133834
	Barium	50.0	<50.0	U	50.0	P	12/09/2024	12:46	LB133834
	Beryllium	3.00	<3.00	U	3.00	P	12/09/2024	12:46	LB133834
	Cadmium	3.00	<3.00	U	3.00	P	12/09/2024	12:46	LB133834
	Calcium	1000	<1000	U	1000	P	12/09/2024	12:46	LB133834
	Chromium	5.00	<5.00	U	5.00	P	12/09/2024	12:46	LB133834
	Cobalt	15.0	<15.0	U	15.0	P	12/09/2024	12:46	LB133834
	Copper	10.0	<10.0	U	10.0	P	12/09/2024	12:46	LB133834
	Iron	50.0	<50.0	U	50.0	P	12/09/2024	12:46	LB133834
	Lead	6.00	<6.00	U	6.00	P	12/09/2024	12:46	LB133834
	Magnesium	1000	<1000	U	1000	P	12/09/2024	12:46	LB133834
	Manganese	10.0	<10.0	U	10.0	P	12/09/2024	12:46	LB133834
	Nickel	20.0	<20.0	U	20.0	P	12/09/2024	12:46	LB133834
	Potassium	1000	<1000	U	1000	P	12/09/2024	12:46	LB133834
	Selenium	10.0	<10.0	U	10.0	P	12/09/2024	12:46	LB133834
	Silver	5.00	<5.00	U	5.00	P	12/09/2024	12:46	LB133834
	Sodium	1000	<1000	U	1000	P	12/09/2024	12:46	LB133834
	Thallium	20.0	<20.0	U	20.0	P	12/09/2024	12:46	LB133834
	Vanadium	20.0	<20.0	U	20.0	P	12/09/2024	12:46	LB133834
	Zinc	20.0	<20.0	U	20.0	P	12/09/2024	12:46	LB133834

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Metals
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INTERFERENCE CHECK SAMPLE

Client: New York City DEP of Environmental Protection/B **SDG No.:** P5018

Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P5018 **SAS No.:** P5018

ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Aluminum	267000	255000	105	216000	294000	12/06/2024	12:50	LB133790
	Antimony	-2.00			-50	50	12/06/2024	12:50	LB133790
	Arsenic	6.39			-20	20	12/06/2024	12:50	LB133790
	Barium	1.82	6.0	30	-94	106	12/06/2024	12:50	LB133790
	Beryllium	1.48			-6	6	12/06/2024	12:50	LB133790
	Cadmium	4.33	1.0	433	-5	7	12/06/2024	12:50	LB133790
	Calcium	250000	245000	102	208000	282000	12/06/2024	12:50	LB133790
	Chromium	58.3	52.0	112	42	62	12/06/2024	12:50	LB133790
	Cobalt	2.43			-30	30	12/06/2024	12:50	LB133790
	Copper	-0.59	2.0	30	-18	22	12/06/2024	12:50	LB133790
	Iron	101000	101000	100	85600	116500	12/06/2024	12:50	LB133790
	Lead	11.9			-12	12	12/06/2024	12:50	LB133790
	Magnesium	273000	255000	107	216000	294000	12/06/2024	12:50	LB133790
	Manganese	4.87	7.0	70	-13	27	12/06/2024	12:50	LB133790
	Nickel	32.9	2.0	1645	-38	42	12/06/2024	12:50	LB133790
	Potassium	14.1			0	0	12/06/2024	12:50	LB133790
	Selenium	-18.6			-20	20	12/06/2024	12:50	LB133790
	Silver	-1.23			-10	10	12/06/2024	12:50	LB133790
	Sodium	120			0	0	12/06/2024	12:50	LB133790
	Thallium	-2.74			-40	40	12/06/2024	12:50	LB133790
	Vanadium	8.34			-40	40	12/06/2024	12:50	LB133790
	Zinc	-6.25			-40	40	12/06/2024	12:50	LB133790
ICSAB01	Aluminum	264000	247000	107	209000	285000	12/06/2024	12:55	LB133790
	Antimony	608	618	98	525	711	12/06/2024	12:55	LB133790
	Arsenic	106	104	102	88.4	120	12/06/2024	12:55	LB133790
	Barium	501	537	93	437	637	12/06/2024	12:55	LB133790
	Beryllium	507	495	102	420	570	12/06/2024	12:55	LB133790
	Cadmium	1010	972	104	826	1120	12/06/2024	12:55	LB133790
	Calcium	246000	235000	105	199000	271000	12/06/2024	12:55	LB133790
	Chromium	561	542	104	460	624	12/06/2024	12:55	LB133790
	Cobalt	508	476	107	404	548	12/06/2024	12:55	LB133790
	Copper	486	511	95	434	588	12/06/2024	12:55	LB133790
	Iron	99200	99300	100	84400	114500	12/06/2024	12:55	LB133790
	Lead	60.5	49.0	124	37	61	12/06/2024	12:55	LB133790
	Magnesium	268000	248000	108	210000	286000	12/06/2024	12:55	LB133790
	Manganese	495	507	98	430	584	12/06/2024	12:55	LB133790
	Nickel	1030	954	108	810	1100	12/06/2024	12:55	LB133790
	Potassium	-35.5			0	0	12/06/2024	12:55	LB133790
	Selenium	33.1	46.0	72	26	66	12/06/2024	12:55	LB133790
	Silver	196	201	98	170	232	12/06/2024	12:55	LB133790
	Sodium	104			0	0	12/06/2024	12:55	LB133790
	Thallium	81.4	108	75	68	148	12/06/2024	12:55	LB133790

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Metals
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INTERFERENCE CHECK SAMPLE

Client: New York City DEP of Environmental Protection/B **SDG No.:** P5018

Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P5018 **SAS No.:** P5018

ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSAB01	Vanadium	501	491	102	417	565	12/06/2024	12:55	LB133790
	Zinc	942	952	99	809	1095	12/06/2024	12:55	LB133790
ICSA	Aluminum	249000	255000	98	216000	294000	12/06/2024	13:00	LB133790
	Antimony	-7.98			-50	50	12/06/2024	13:00	LB133790
	Arsenic	-32.4			-20	20	12/06/2024	13:00	LB133790
	Barium	-61.5	6.0	1025	-94	106	12/06/2024	13:00	LB133790
	Beryllium	3.42			-6	6	12/06/2024	13:00	LB133790
	Cadmium	2.74	1.0	274	-5	7	12/06/2024	13:00	LB133790
	Calcium	246000	245000	100	208000	282000	12/06/2024	13:00	LB133790
	Chromium	58.9	52.0	113	42	62	12/06/2024	13:00	LB133790
	Cobalt	3.44			-30	30	12/06/2024	13:00	LB133790
	Copper	0.47	2.0	23	-18	22	12/06/2024	13:00	LB133790
	Iron	96500	101000	96	85600	116500	12/06/2024	13:00	LB133790
	Lead	-15.2			-12	12	12/06/2024	13:00	LB133790
	Magnesium	252000	255000	99	216000	294000	12/06/2024	13:00	LB133790
	Manganese	2.53	7.0	36	-13	27	12/06/2024	13:00	LB133790
	Nickel	31.5	2.0	1575	-38	42	12/06/2024	13:00	LB133790
	Potassium	-1660			0	0	12/06/2024	13:00	LB133790
	Selenium	-11.4			-20	20	12/06/2024	13:00	LB133790
	Silver	9.42			-10	10	12/06/2024	13:00	LB133790
	Sodium	475			0	0	12/06/2024	13:00	LB133790
	Thallium	-11.5			-40	40	12/06/2024	13:00	LB133790
	Vanadium	3.28			-40	40	12/06/2024	13:00	LB133790
	Zinc	132			-40	40	12/06/2024	13:00	LB133790
ICSAB	Aluminum	254000	247000	103	209000	285000	12/06/2024	13:04	LB133790
	Antimony	579	618	94	525	711	12/06/2024	13:04	LB133790
	Arsenic	107	104	103	88.4	120	12/06/2024	13:04	LB133790
	Barium	440	537	82	437	637	12/06/2024	13:04	LB133790
	Beryllium	526	495	106	420	570	12/06/2024	13:04	LB133790
	Cadmium	1010	972	104	826	1120	12/06/2024	13:04	LB133790
	Calcium	250000	235000	106	199000	271000	12/06/2024	13:04	LB133790
	Chromium	585	542	108	460	624	12/06/2024	13:04	LB133790
	Cobalt	504	476	106	404	548	12/06/2024	13:04	LB133790
	Copper	522	511	102	434	588	12/06/2024	13:04	LB133790
	Iron	97400	99300	98	84400	114500	12/06/2024	13:04	LB133790
	Lead	50.0	49.0	102	37	61	12/06/2024	13:04	LB133790
	Magnesium	257000	248000	104	210000	286000	12/06/2024	13:04	LB133790
	Manganese	511	507	101	430	584	12/06/2024	13:04	LB133790
	Nickel	1050	954	110	810	1100	12/06/2024	13:04	LB133790
	Potassium	-1380			0	0	12/06/2024	13:04	LB133790
	Selenium	59.2	46.0	129	26	66	12/06/2024	13:04	LB133790
	Silver	193	201	96	170	232	12/06/2024	13:04	LB133790

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Metals
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INTERFERENCE CHECK SAMPLE

Client: New York City DEP of Environmental Protection/B **SDG No.:** P5018

Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P5018 **SAS No.:** P5018

ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSAB	Sodium	520			0	0	12/06/2024	13:04	LB133790
	Thallium	80.1	108	74	68	148	12/06/2024	13:04	LB133790
	Vanadium	512	491	104	417	565	12/06/2024	13:04	LB133790
	Zinc	1200	952	126	809	1095	12/06/2024	13:04	LB133790
ICSA01	Aluminum	256000	255000	100	216000	294000	12/09/2024	12:08	LB133834
	Antimony	-0.86			-50	50	12/09/2024	12:08	LB133834
	Arsenic	3.35			-20	20	12/09/2024	12:08	LB133834
	Barium	5.62	6.0	94	-94	106	12/09/2024	12:08	LB133834
	Beryllium	1.49			-6	6	12/09/2024	12:08	LB133834
	Cadmium	3.33	1.0	333	-5	7	12/09/2024	12:08	LB133834
	Calcium	243000	245000	99	208000	282000	12/09/2024	12:08	LB133834
	Chromium	56.5	52.0	109	42	62	12/09/2024	12:08	LB133834
	Cobalt	2.04			-30	30	12/09/2024	12:08	LB133834
	Copper	18.7	2.0	935	-18	22	12/09/2024	12:08	LB133834
	Iron	95800	101000	95	85600	116500	12/09/2024	12:08	LB133834
	Lead	11.9			-12	12	12/09/2024	12:08	LB133834
	Magnesium	265000	255000	104	216000	294000	12/09/2024	12:08	LB133834
	Manganese	4.34	7.0	62	-13	27	12/09/2024	12:08	LB133834
	Nickel	31.5	2.0	1575	-38	42	12/09/2024	12:08	LB133834
	Potassium	18.3			0	0	12/09/2024	12:08	LB133834
	Selenium	-19.6			-20	20	12/09/2024	12:08	LB133834
	Silver	-4.87			-10	10	12/09/2024	12:08	LB133834
	Sodium	54.5			0	0	12/09/2024	12:08	LB133834
	Thallium	-3.39			-40	40	12/09/2024	12:08	LB133834
	Vanadium	9.50			-40	40	12/09/2024	12:08	LB133834
	Zinc	31.5			-40	40	12/09/2024	12:08	LB133834
ICSAB01	Aluminum	253000	247000	102	209000	285000	12/09/2024	12:17	LB133834
	Antimony	622	618	101	525	711	12/09/2024	12:17	LB133834
	Arsenic	105	104	101	88.4	120	12/09/2024	12:17	LB133834
	Barium	508	537	95	437	637	12/09/2024	12:17	LB133834
	Beryllium	522	495	106	420	570	12/09/2024	12:17	LB133834
	Cadmium	1000	972	103	826	1120	12/09/2024	12:17	LB133834
	Calcium	239000	235000	102	199000	271000	12/09/2024	12:17	LB133834
	Chromium	563	542	104	460	624	12/09/2024	12:17	LB133834
	Cobalt	507	476	106	404	548	12/09/2024	12:17	LB133834
	Copper	498	511	98	434	588	12/09/2024	12:17	LB133834
	Iron	95800	99300	96	84400	114500	12/09/2024	12:17	LB133834
	Lead	52.4	49.0	107	37	61	12/09/2024	12:17	LB133834
	Magnesium	259000	248000	104	210000	286000	12/09/2024	12:17	LB133834
	Manganese	494	507	97	430	584	12/09/2024	12:17	LB133834
	Nickel	1020	954	107	810	1100	12/09/2024	12:17	LB133834
	Potassium	-36.7			0	0	12/09/2024	12:17	LB133834

Alliance TECHNICAL GROUP
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Metals
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INTERFERENCE CHECK SAMPLE

Client: New York City DEP of Environmental Protection/B **SDG No.:** P5018

Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P5018 **SAS No.:** P5018

ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSAB01	Selenium	29.8	46.0	65	26	66	12/09/2024	12:17	LB133834
	Silver	195	201	97	170	232	12/09/2024	12:17	LB133834
	Sodium	5.96			0	0	12/09/2024	12:17	LB133834
	Thallium	81.8	108	76	68	148	12/09/2024	12:17	LB133834
	Vanadium	500	491	102	417	565	12/09/2024	12:17	LB133834
	Zinc	922	952	97	809	1095	12/09/2024	12:17	LB133834
ICSA	Aluminum	250000	255000	98	216000	294000	12/09/2024	12:21	LB133834
	Antimony	4.82			-50	50	12/09/2024	12:21	LB133834
	Arsenic	-56.9			-20	20	12/09/2024	12:21	LB133834
	Barium	-8.92	6.0	149	-94	106	12/09/2024	12:21	LB133834
	Beryllium	2.01			-6	6	12/09/2024	12:21	LB133834
	Cadmium	-1.42	1.0	142	-5	7	12/09/2024	12:21	LB133834
	Calcium	248000	245000	101	208000	282000	12/09/2024	12:21	LB133834
	Chromium	56.7	52.0	109	42	62	12/09/2024	12:21	LB133834
	Cobalt	-0.98			-30	30	12/09/2024	12:21	LB133834
	Copper	31.9	2.0	1595	-18	22	12/09/2024	12:21	LB133834
	Iron	95600	101000	95	85600	116500	12/09/2024	12:21	LB133834
	Lead	8.41			-12	12	12/09/2024	12:21	LB133834
	Magnesium	255000	255000	100	216000	294000	12/09/2024	12:21	LB133834
	Manganese	7.71	7.0	110	-13	27	12/09/2024	12:21	LB133834
	Nickel	34.2	2.0	1710	-38	42	12/09/2024	12:21	LB133834
	Potassium	-1160			0	0	12/09/2024	12:21	LB133834
	Selenium	-15.9			-20	20	12/09/2024	12:21	LB133834
	Silver	-9.38			-10	10	12/09/2024	12:21	LB133834
	Sodium	-653			0	0	12/09/2024	12:21	LB133834
	Thallium	-31.4			-40	40	12/09/2024	12:21	LB133834
	Vanadium	2.17			-40	40	12/09/2024	12:21	LB133834
	Zinc	155			-40	40	12/09/2024	12:21	LB133834
ICSAB	Aluminum	248000	247000	100	209000	285000	12/09/2024	12:25	LB133834
	Antimony	608	618	98	525	711	12/09/2024	12:25	LB133834
	Arsenic	25.9	104	25	88.4	120	12/09/2024	12:25	LB133834
	Barium	489	537	91	437	637	12/09/2024	12:25	LB133834
	Beryllium	535	495	108	420	570	12/09/2024	12:25	LB133834
	Cadmium	1000	972	103	826	1120	12/09/2024	12:25	LB133834
	Calcium	246000	235000	105	199000	271000	12/09/2024	12:25	LB133834
	Chromium	589	542	109	460	624	12/09/2024	12:25	LB133834
	Cobalt	499	476	105	404	548	12/09/2024	12:25	LB133834
	Copper	543	511	106	434	588	12/09/2024	12:25	LB133834
	Iron	95500	99300	96	84400	114500	12/09/2024	12:25	LB133834
	Lead	68.0	49.0	139	37	61	12/09/2024	12:25	LB133834
	Magnesium	252000	248000	102	210000	286000	12/09/2024	12:25	LB133834
	Manganese	525	507	104	430	584	12/09/2024	12:25	LB133834

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Metals
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INTERFERENCE CHECK SAMPLE

Client: New York City DEP of Environmental Protection/B **SDG No.:** P5018

Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P5018 **SAS No.:** P5018

ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSAB	Nickel	1040	954	109	810	1100	12/09/2024	12:25	LB133834
	Potassium	-1200			0	0	12/09/2024	12:25	LB133834
	Selenium	46.3	46.0	101	26	66	12/09/2024	12:25	LB133834
	Silver	182	201	90	170	232	12/09/2024	12:25	LB133834
	Sodium	-642			0	0	12/09/2024	12:25	LB133834
	Thallium	80.5	108	74	68	148	12/09/2024	12:25	LB133834
	Vanadium	513	491	104	417	565	12/09/2024	12:25	LB133834
	Zinc	1210	952	127	809	1095	12/09/2024	12:25	LB133834

METAL QC DATA

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metals
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MATRIX SPIKE SUMMARY

client: New York City DEP of Environmental Prot **level:** low **sdg no.:** P5018

contract: NEWY17 **lab code:** CHEM **case no.:** P5018 **sas no.:** P5018

matrix: Water **sample id:** P5018-07 **client id:** 14B-(1-4)-COMPMS

Percent Solids for Sample: NA **Spiked ID:** P5018-07MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	75 - 125	717000		698000		1000	1910		P
Antimony	ug/L	75 - 125	347		25.0	U	400	87		P
Arsenic	ug/L	75 - 125	454		54.4		400	100		P
Barium	ug/L	75 - 125	661		543		100	118		P
Beryllium	ug/L	75 - 125	102		3.00	U	100	102		P
Cadmium	ug/L	75 - 125	99.0		2.25	J	100	97		P
Calcium	ug/L	75 - 125	37000		35400		500	315		P
Chromium	ug/L	75 - 125	205		17.8		200	93		P
Cobalt	ug/L	75 - 125	103		6.13	J	100	97		P
Copper	ug/L	75 - 125	580		465		150	77		P
Iron	ug/L	75 - 125	22300		23500		1500	-83		P
Lead	ug/L	75 - 125	458		17.2		500	88		P
Magnesium	ug/L	75 - 125	9600		8520		1000	108		P
Manganese	ug/L	75 - 125	16800		17600		100	-779		P
Mercury	ug/L	75 - 125	3.49		0.53		4.0	74	N	CV
Nickel	ug/L	75 - 125	258		18.3	J	250	96		P
Potassium	ug/L	75 - 125	9010		3270		5000	115		P
Selenium	ug/L	75 - 125	1020		9.57	J	1000	101		P
Silver	ug/L	75 - 125	43.7		2.13	J	37.5	111		P
Sodium	ug/L	75 - 125	38200		36300		1500	131		P
Thallium	ug/L	75 - 125	826		20.0	U	1000	83		P
Vanadium	ug/L	75 - 125	171		24.5		150	98		P
Zinc	ug/L	75 - 125	232		127		100	105		P

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: New York City DEP of Environmental Prot **level:** low **sdg no.:** P5018

contract: NEWY17 **lab code:** CHEM **case no.:** P5018 **sas no.:** P5018

matrix: Water **sample id:** P5018-07 **client id:** 14B-(1-4)-COMPMSD

Percent Solids for Sample: NA **Spiked ID:** P5018-07MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	75 - 125	712000		698000		1000	1428		P
Antimony	ug/L	75 - 125	344		25.0	U	400	86		P
Arsenic	ug/L	75 - 125	449		54.4		400	99		P
Barium	ug/L	75 - 125	646		543		100	103		P
Beryllium	ug/L	75 - 125	102		3.00	U	100	102		P
Cadmium	ug/L	75 - 125	97.6		2.25	J	100	95		P
Calcium	ug/L	75 - 125	36500		35400		500	224		P
Chromium	ug/L	75 - 125	204		17.8		200	93		P
Cobalt	ug/L	75 - 125	102		6.13	J	100	95		P
Copper	ug/L	75 - 125	573		465		150	72	N	P
Iron	ug/L	75 - 125	21800		23500		1500	-117		P
Lead	ug/L	75 - 125	451		17.2		500	87		P
Magnesium	ug/L	75 - 125	9520		8520		1000	99		P
Manganese	ug/L	75 - 125	16600		17600		100	-1054		P
Mercury	ug/L	75 - 125	3.62		0.53		4.0	77		CV
Nickel	ug/L	75 - 125	253		18.3	J	250	94		P
Potassium	ug/L	75 - 125	8840		3270		5000	111		P
Selenium	ug/L	75 - 125	1020		9.57	J	1000	101		P
Silver	ug/L	75 - 125	43.3		2.13	J	37.5	110		P
Sodium	ug/L	75 - 125	37200		36300		1500	60		P
Thallium	ug/L	75 - 125	802		20.0	U	1000	80		P
Vanadium	ug/L	75 - 125	169		24.5		150	96		P
Zinc	ug/L	75 - 125	230		127		100	103		P

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Metals
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POST DIGEST SPIKE SUMMARY

Client: New York City DEP of Environmental Prot **SDG No.:** P5018

Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P5018 **SAS No.:** P5018

Matrix: Water **Level:** LOW **Client ID:** 14B-(1-4)-COMPA

Sample ID: P5018-07 **Spiked ID:** P5018-07A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Copper	ug/L	85 - 115	575		465		150	74		P
Mercury	ug/L	75 - 125	3.88		0.53		4.00	84		CV

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: New York City DEP of Environmental Prot **Level:** LOW **SDG No.:** P5018

Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P5018 **SAS No.:** P5018

Matrix: Water **Sample ID:** P5018-07 **Client ID:** 14B-(1-4)-COMPDUP

Percent Solids for Sample: NA **Duplicate ID** P5018-07DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	698000		708000		1		P
Antimony	ug/L	20	25.0	U	25.0	U			P
Arsenic	ug/L	20	54.4		54.6		0		P
Barium	ug/L	20	543		554		2		P
Beryllium	ug/L	20	3.00	U	3.00	U			P
Cadmium	ug/L	20	2.25	J	2.34	J	4		P
Calcium	ug/L	20	35400		35600		1		P
Chromium	ug/L	20	17.8		17.8		0		P
Cobalt	ug/L	20	6.13	J	5.97	J	3		P
Copper	ug/L	20	465		471		1		P
Iron	ug/L	20	23500		24000		2		P
Lead	ug/L	20	17.2		18.7		8		P
Magnesium	ug/L	20	8520		8570		1		P
Manganese	ug/L	20	17600		17900		2		P
Mercury	ug/L	20	0.53		0.50		6		CV
Nickel	ug/L	20	18.3	J	18.6	J	2		P
Potassium	ug/L	20	3270		3330		2		P
Selenium	ug/L	20	9.57	J	8.14	J	16		P
Silver	ug/L	20	2.13	J	2.27	J	6		P
Sodium	ug/L	20	36300		37100		2		P
Thallium	ug/L	20	20.0	U	20.0	U			P
Vanadium	ug/L	20	24.5		24.9		2		P
Zinc	ug/L	20	127		128		1		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: New York City DEP of Environmental Prot **Level:** LOW **SDG No.:** P5018

Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P5018 **SAS No.:** P5018

Matrix: Water **Sample ID:** P5018-07MS **Client ID:** 14B-(1-4)-COMPMSD

Percent Solids for Sample: NA **Duplicate ID** P5018-07MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	717000		712000		1		P
Antimony	ug/L	20	347		344		1		P
Arsenic	ug/L	20	454		449		1		P
Barium	ug/L	20	661		646		2		P
Beryllium	ug/L	20	102		102		0		P
Cadmium	ug/L	20	99.0		97.6		1		P
Calcium	ug/L	20	37000		36500		1		P
Chromium	ug/L	20	205		204		0		P
Cobalt	ug/L	20	103		102		1		P
Copper	ug/L	20	580		573		1		P
Iron	ug/L	20	22300		21800		2		P
Lead	ug/L	20	458		451		2		P
Magnesium	ug/L	20	9600		9520		1		P
Manganese	ug/L	20	16800		16600		1		P
Mercury	ug/L	20	3.49		3.62		4		CV
Nickel	ug/L	20	258		253		2		P
Potassium	ug/L	20	9010		8840		2		P
Selenium	ug/L	20	1020		1020		0		P
Silver	ug/L	20	43.7		43.3		1		P
Sodium	ug/L	20	38200		37200		3		P
Thallium	ug/L	20	826		802		3		P
Vanadium	ug/L	20	171		169		1		P
Zinc	ug/L	20	232		230		1		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: New York City DEP of Environmental Prot **SDG No.:** P5018

Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P5018 **SAS No.:** P5018

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB165287BS							
Aluminum	ug/L	1000	983		98	85 - 115	P
Antimony	ug/L	400	377		94	85 - 115	P
Arsenic	ug/L	400	368		92	85 - 115	P
Barium	ug/L	100	96.0		96	85 - 115	P
Beryllium	ug/L	100	103		103	85 - 115	P
Cadmium	ug/L	100	93.5		94	85 - 115	P
Calcium	ug/L	500	505	J	101	85 - 115	P
Chromium	ug/L	200	196		98	85 - 115	P
Cobalt	ug/L	100	94.6		95	85 - 115	P
Copper	ug/L	150	149		99	85 - 115	P
Iron	ug/L	1500	1390		93	85 - 115	P
Lead	ug/L	500	465		93	85 - 115	P
Magnesium	ug/L	1000	979	J	98	85 - 115	P
Manganese	ug/L	100	99.5		100	85 - 115	P
Nickel	ug/L	250	238		95	85 - 115	P
Potassium	ug/L	5000	4470		89	85 - 115	P
Selenium	ug/L	1000	939		94	85 - 115	P
Silver	ug/L	37.5	35.9		96	85 - 115	P
Sodium	ug/L	1500	1300		87	85 - 115	P
Thallium	ug/L	1000	1040		104	85 - 115	P
Vanadium	ug/L	150	149		99	85 - 115	P
Zinc	ug/L	100	100		100	85 - 115	P

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Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: New York City DEP of Environmental Prot **SDG No.:** P5018

Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P5018 **SAS No.:** P5018

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB165329BS							
Mercury	ug/L	4.0	3.91		98	85 - 115	CV

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ICP SERIAL DILUTIONS

SAMPLE NO.

14B-(1-4)-COMPL

Lab Name: Chemtech Consulting Group **Contract:** NEWY17

Lab Code: CHEM **Lb No.:** lb133790 **Lab Sample ID :** P5018-07L **SDG No.:** P5018

Matrix (soil/water): Water **Level (low/med):** LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	698000		722000		4		P
Antimony	25.0	U	125	U			P
Arsenic	54.4		53.2		2		P
Barium	543		532		2		P
Beryllium	3.00	U	15.0	U			P
Cadmium	2.25	J	1.70	J	25		P
Calcium	35400		37300		5		P
Chromium	17.8		19.3	J	9		P
Cobalt	6.13	J	6.52	J	6		P
Copper	465		520		12		P
Iron	23500		23500		0		P
Lead	17.2		22.8	J	33		P
Magnesium	8520		8940		5		P
Manganese	17600		18900		7		P
Mercury	0.53		0.38	J	29		CV
Nickel	18.3	J	20.0	J	9		P
Potassium	3270		2740	J	16		P
Selenium	9.57	J	50.0	U	100.0		P
Silver	2.13	J	25.0	U	100.0		P
Sodium	36300		31400		14		P
Thallium	20.0	U	100	U			P
Vanadium	24.5		24.1	J	1		P
Zinc	127		123		3		P

METAL PREPARATION & INSTRUMENT DATA

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: New York City DEP of Environmental Prot **SDG No.:** P5018

Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P5018 **SAS No.:** P5018

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Al	Ca	Fe	Mg	Ag
Aluminum	396.100	0.0000000	-0.0002060	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	-0.0000440	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000930	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	-0.0075970	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0007850	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	-0.0000920	0.0000000	0.0000380	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	-0.0001440	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	-0.0001490	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0001050	0.0000000	0.0000000

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ICP INTERELEMENT CORRECTION FACTORS

Client: New York City DEP of Environmental Prot **SDG No.:** P5018

Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P5018 **SAS No.:** P5018

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: As	Ba	Be	Cd	Co
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0002870
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0009530
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	-0.0039600
Lead	220.353	0.0000000	0.0003170	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	-0.0003570
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0054900
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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ICP INTERELEMENT CORRECTION FACTORS

Client: New York City DEP of Environmental Prot **SDG No.:** P5018

Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P5018 **SAS No.:** P5018

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Cr	Cu	K	Mn	Mo
Aluminum	396.100	0.0000000	0.0000000	0.0000590	0.0000000	0.0396900
Antimony	206.833	0.0122000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	-0.0029000	0.0000000	0.0000000	0.0000000	0.0004900
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	-0.0000710	-0.0003400
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000070	0.0002200	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	-0.0007860
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0006510	0.0020500
Iron	240.488	0.0000000	0.0000000	0.0000730	0.0000000	-0.0015250
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0001400	-0.0008600
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0007460	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000120
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0017400	-0.0100400
Vanadium	292.402	-0.0025100	0.0000000	0.0000000	0.0000000	-0.0072000
Zinc	213.800	0.0000000	0.0009010	0.0000000	0.0000000	0.0000000

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ICP INTERELEMENT CORRECTION FACTORS

Client: New York City DEP of Environmental Prot **SDG No.:** P5018

Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P5018 **SAS No.:** P5018

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Na	Ni	Pb	Sb	Se
Aluminum	396.100	0.0000000	0.0000000	0.0012800	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	-0.0047000	0.0036100	0.0000000	0.0000000
Iron	240.488	0.0000000	-0.0017000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0006580	0.0000000	0.0000000	0.0001290
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0003330	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0067600	0.0000000	0.0000000	0.0000000

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ICP INTERELEMENT CORRECTION FACTORS

Client: New York City DEP of Environmental Prot **SDG No.:** P5018

Contract: NEWY17 **Lab Code:** CHEM **Case No.:** P5018 **SAS No.:** P5018

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Sn	Ti	Tl	V	Zn
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	-0.0035600	-0.0007970	0.0000000	-0.0018900	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000630	0.0001280	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0001110	0.0000000
Cobalt	228.616	0.0000000	0.0018800	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0003840	0.0000000	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	-0.0003610	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	-0.0007420	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	-0.0039700	0.0000000	-0.0115600	0.0000000
Vanadium	292.402	0.0000000	0.0005320	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

METAL PREPARATION & ANALYICAL SUMMARY

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SAMPLE PREPARATION SUMMARY

Client: New York City DEP of Environmental Prot **SDG No.:** P5018

Contract: NEWY17 **Lab Code:** CHEM **Method:**

Case No.: P5018 **SAS No.:** P5018

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB165287**						
P5018-07	14B-(1-4)-COMP	SAM	WATER	11/27/2024	50.0	25.0	
P5018-07DUP	14B-(1-4)-COMPDUP	DUP	WATER	11/27/2024	50.0	25.0	
P5018-07MS	14B-(1-4)-COMPMS	MS	WATER	11/27/2024	50.0	25.0	
P5018-07MSD	14B-(1-4)-COMPMSD	MSD	WATER	11/27/2024	50.0	25.0	
PB165287BL	PB165287BL	MB	WATER	11/27/2024	50.0	25.0	
PB165287BS	PB165287BS	LCS	WATER	11/27/2024	50.0	25.0	

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SAMPLE PREPARATION SUMMARY

Client: New York City DEP of Environmental Prot **SDG No.:** P5018

Contract: NEWY17 **Lab Code:** CHEM **Method:**

Case No.: P5018 **SAS No.:** P5018

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB165329**						
P5018-07	14B-(1-4)-COMP	SAM	WATER	12/02/2024	30.0	30.0	
P5018-07DUP	14B-(1-4)-COMPDUP	DUP	WATER	12/02/2024	30.0	30.0	
P5018-07MS	14B-(1-4)-COMPMS	MS	WATER	12/02/2024	30.0	30.0	
P5018-07MSD	14B-(1-4)-COMPMSD	MSD	WATER	12/02/2024	30.0	30.0	
PB165329BL	PB165329BL	MB	WATER	12/02/2024	30.0	30.0	
PB165329BS	PB165329BS	LCS	WATER	12/02/2024	30.0	30.0	

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ANALYSIS RUN LOG

Client: New York City DEP of Environmental Prot **Contract:** NEWY17

Lab code: CHEM **Case no.:** P5018 **Sas no.:** P5018 **Sdg no.:** P5018

Instrument id number: **Method:** **Run number:** LB133684

Start date: 12/02/2024 **End date:** 12/02/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1312	HG
S0.05	S0.05	1	1317	HG
S0.2	S0.2	1	1321	HG
S2.5	S2.5	1	1323	HG
S5	S5	1	1325	HG
S7.5	S7.5	1	1328	HG
S10	S10	1	1333	HG
ICV107	ICV107	1	1343	HG
ICB107	ICB107	1	1345	HG
CCV69	CCV69	1	1348	HG
CCB69	CCB69	1	1350	HG
CRA	CRA	1	1356	HG
PB165329BL	PB165329BL	1	1402	HG
PB165329BS	PB165329BS	1	1405	HG
P5018-07	14B-(1-4)-COMP	1	1409	HG
P5018-07DUP	14B-(1-4)-COMPDUP	1	1412	HG
P5018-07MS	14B-(1-4)-COMPMS	1	1414	HG
P5018-07MSD	14B-(1-4)-COMPMSD	1	1416	HG
CCV70	CCV70	1	1418	HG
CCB70	CCB70	1	1421	HG
P5018-07L	14B-(1-4)-COMPL	5	1423	HG
P5018-07A	14B-(1-4)-COMPA	1	1425	HG
CCV71	CCV71	1	1428	HG
CCB71	CCB71	1	1430	HG

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ANALYSIS RUN LOG

Client: New York City DEP of Environmental Prot **Contract:** NEWY17

Lab code: CHEM **Case no.:** P5018 **Sas no.:** P5018 **Sdg no.:** P5018

Instrument id number: **Method:** **Run number:** LB133790

Start date: 12/06/2024 **End date:** 12/06/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1148	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S1	S1	1	1152	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1157	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	1201	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1205	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1210	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICV01	ICV01	1	1214	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV01	LLICV01	1	1220	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1224	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CRI01	CRI01	1	1228	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1250	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1255	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA	ICSA	20	1300	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB	ICSAB	20	1304	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1309	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1313	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV02	CCV02	1	1338	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1342	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P5018-07	14B-(1-4)-COMP	1	1358	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P5018-07DUP	14B-(1-4)-COMPDUP	1	1404	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P5018-07L	14B-(1-4)-COMPL	5	1408	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P5018-07MS	14B-(1-4)-COMPMS	1	1412	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P5018-07MSD	14B-(1-4)-COMPMSD	1	1417	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P5018-07A	14B-(1-4)-COMPA	1	1421	Cu
CCV03	CCV03	1	1442	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1446	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV04	CCV04	1	1540	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB04	CCB04	1	1544	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV05	CCV05	1	1635	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB05	CCB05	1	1639	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV06	CCV06	1	1727	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB06	CCB06	1	1731	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV07	CCV07	1	1821	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB07	CCB07	1	1827	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

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metals
- 14 -
ANALYSIS RUN LOG

Client: New York City DEP of Environmental Prot **Contract:** NEWY17

Lab code: CHEM **Case no.:** P5018 **Sas no.:** P5018 **Sdg no.:** P5018

Instrument id number: **Method:** **Run number:** LB133834

Start date: 12/09/2024 **End date:** 12/09/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1106	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S1	S1	1	1110	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1114	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	1118	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1123	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1127	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICV01	ICV01	1	1135	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV01	LLICV01	1	1149	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1154	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CRI01	CRI01	1	1159	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1208	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1217	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA	ICSA	20	1221	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB	ICSAB	20	1225	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1229	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1234	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB165287BL	PB165287BL	1	1246	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB165287BS	PB165287BS	1	1251	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV02	CCV02	1	1330	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1335	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV03	CCV03	1	1423	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1427	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV04	CCV04	1	1513	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB04	CCB04	1	1517	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV05	CCV05	1	1552	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB05	CCB05	1	1556	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

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LAB CHRONICLE

OrderID:	P5018	**OrderDate:**	11/26/2024 12:20:00 PM
Client:	New York City DEP of Environmental Protection/BWS	**Project:**	Industrial Wastewater Discharge Permit - Fall 2024
Contact:	Nicholas Prokopowicz	**Location:**	L51,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P5018-01	**14B-1**	**WATER**			**11/26/24 07:00**			**11/26/24**
			Field pH	SM4500-H B			11/26/24 07:03	
			Field Temperature	SM2550-B			11/26/24 07:03	
			Non-Polar Material	1664A			12/02/24 09:40	
			TSS	SM2540 D			11/27/24 08:30	
P5018-02	**14B-2**	**WATER**			**11/26/24 07:59**			**11/26/24**
			Field pH	SM4500-H B			11/26/24 08:02	
			Field Temperature	SM2550-B			11/26/24 08:02	
			Non-Polar Material	1664A			12/02/24 09:40	
			TSS	SM2540 D			11/27/24 08:30	
P5018-03	**14B-3**	**WATER**			**11/26/24 09:00**			**11/26/24**
			Field pH	SM4500-H B			11/26/24 09:03	
			Field Temperature	SM2550-B			11/26/24 09:03	
			Non-Polar Material	1664A			12/02/24 09:40	
			TSS	SM2540 D			11/27/24 08:30	

Alliance TECHNICAL GROUP
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LAB CHRONICLE

P5018-04	**14B-4**	**WATER**			**11/26/24 10:01**		**11/26/24**
			Field pH	SM4500-H B		11/26/24 10:03	
			Field Temperature	SM2550-B		11/26/24 10:03	
			Non-Polar Material	1664A		12/02/24 09:40	
			TSS	SM2540 D		11/27/24 08:30	
P5018-07	**14B-(1-4)-COMP**	**WATER**			**11/26/24 14:20**		**11/26/24**
			Cyanide	SM4500-CN C,E	12/05/24	12/05/24 13:25	
			Cyanide-Amenable	SM4500-CN B,G Cyanide-Amenable		12/05/24 00:00	
			Hexavalent Chromium	SM3500-Cr B		11/26/24 16:59	

SAMPLE DATA

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Report of Analysis

Client:	New York City DEP of Environmental Protection/BWS	Date Collected:	11/26/24 07:00
Project:	Industrial Wastewater Discharge Permit - Fall 2024	Date Received:	11/26/24
Client Sample ID:	14B-1	SDG No.:	P5018
Lab Sample ID:	P5018-01	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Field pH	6.76		1	0	0	pH		11/26/24 07:03	SM4500-H B
Field Temperature	13.3		1	0	0	o C		11/26/24 07:03	SM 2550 B-10
Non-Polar Material	0.60	J	1	0.40	5.00	mg/L		12/02/24 09:40	1664A
TSS	3540		1	1.00	4.00	mg/L		11/27/24 08:30	SM 2540 D-15

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	New York City DEP of Environmental Protection/BWS	Date Collected:	11/26/24 07:59
Project:	Industrial Wastewater Discharge Permit - Fall 2024	Date Received:	11/26/24
Client Sample ID:	14B-2	SDG No.:	P5018
Lab Sample ID:	P5018-02	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Field pH	6.80		1	0	0	pH		11/26/24 08:02	SM4500-H B
Field Temperature	13.1		1	0	0	o C		11/26/24 08:02	SM 2550 B-10
Non-Polar Material	0.70	J	1	0.40	5.00	mg/L		12/02/24 09:40	1664A
TSS	3480		1	1.00	4.00	mg/L		11/27/24 08:30	SM 2540 D-15

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	New York City DEP of Environmental Protection/BWS	Date Collected:	11/26/24 09:00
Project:	Industrial Wastewater Discharge Permit - Fall 2024	Date Received:	11/26/24
Client Sample ID:	14B-3	SDG No.:	P5018
Lab Sample ID:	P5018-03	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Field pH	6.89		1	0	0	pH		11/26/24 09:03	SM4500-H B
Field Temperature	13.3		1	0	0	o C		11/26/24 09:03	SM 2550 B-10
Non-Polar Material	0.50	J	1	0.40	5.00	mg/L		12/02/24 09:40	1664A
TSS	3820		1	1.00	4.00	mg/L		11/27/24 08:30	SM 2540 D-15

Comments:

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LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	New York City DEP of Environmental Protection/BWS	Date Collected:	11/26/24 10:01
Project:	Industrial Wastewater Discharge Permit - Fall 2024	Date Received:	11/26/24
Client Sample ID:	14B-4	SDG No.:	P5018
Lab Sample ID:	P5018-04	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Field pH	6.78		1	0	0	pH		11/26/24 10:03	SM4500-H B
Field Temperature	13.4		1	0	0	o C		11/26/24 10:03	SM 2550 B-10
Non-Polar Material	0.60	J	1	0.40	5.00	mg/L		12/02/24 09:40	1664A
TSS	5270		1	1.00	4.00	mg/L		11/27/24 08:30	SM 2540 D-15

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	New York City DEP of Environmental Protection/BWS	Date Collected:	11/26/24 14:20
Project:	Industrial Wastewater Discharge Permit - Fall 2024	Date Received:	11/26/24
Client Sample ID:	14B-(1-4)-COMP	SDG No.:	P5018
Lab Sample ID:	P5018-07	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.0042	J	1	0.00093	0.0050	mg/L	12/05/24 09:00	12/05/24 13:25	SM 4500-CN C-16 plus E-16
Cyanide-Amenable	0.0050	U	1	0.0010	0.0050	mg/L		12/05/24 00:00	SM 4500-CN B-16 plus G-16
Dissolved Hexavalent Chromium	0.0020	U	1	0.0020	0.010	mg/L		11/26/24 16:59	SM 3500-Cr B-11

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

QC RESULT SUMMARY

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Initial and Continuing Calibration Verification

Client:	New York City DEP of Environmental Protection/BWS	**SDG No.:**	P5018
Project:	Industrial Wastewater Discharge Permit - Fall 2024	**RunNo.:**	LB133639

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV						
Hexavalent Chromium	mg/L	0.499	0.5	100	95-105	11/26/2024
Sample ID: CCV1						
Hexavalent Chromium	mg/L	0.502	0.5	100	90-110	11/26/2024
Sample ID: CCV2						
Hexavalent Chromium	mg/L	0.499	0.5	100	90-110	11/26/2024

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Initial and Continuing Calibration Verification

Client:	New York City DEP of Environmental Protection/BWS	**SDG No.:**	P5018
Project:	Industrial Wastewater Discharge Permit - Fall 2024	**RunNo.:**	LB133772

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	**ICV1**						
Cyanide		mg/L	0.097	0.099	98	85-115	12/05/2024
Sample ID:	**CCV1**						
Cyanide		mg/L	0.24	0.25	96	90-110	12/05/2024
Sample ID:	**CCV2**						
Cyanide		mg/L	0.25	0.25	100	90-110	12/05/2024
Sample ID:	**CCV3**						
Cyanide		mg/L	0.25	0.25	100	90-110	12/05/2024

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Initial and Continuing Calibration Verification

Client:	New York City DEP of Environmental Protection/BWS	**SDG No.:**	P5018
Project:	Industrial Wastewater Discharge Permit - Fall 2024	**RunNo.:**	LB133823

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	**ICV**						
Field pH		pH	7.02	7	100	90-110	11/26/2024
Sample ID:	**CCV1**						
Field pH		pH	6.99	7.00	100	90-110	11/26/2024
Sample ID:	**CCV2**						
Field pH		pH	7.01	7.00	100	90-110	11/26/2024

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Initial and Continuing Calibration Blank Summary

Client: New York City DEP of Environmental Protection/BWS **SDG No.:** P5018

Project: Industrial Wastewater Discharge Permit - Fall 2024 **RunNo.:** LB133639

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0021	0.01	11/26/2024
Sample ID: CCB1							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0021	0.01	11/26/2024
Sample ID: CCB2							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0021	0.01	11/26/2024

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Initial and Continuing Calibration Blank Summary

Client:	New York City DEP of Environmental Protection/BWS	**SDG No.:**	P5018
Project:	Industrial Wastewater Discharge Permit - Fall 2024	**RunNo.:**	LB133772

Analyte		Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID:	ICB1							
Cyanide		mg/L	< 0.0025	0.0025	U	0.00093	0.005	12/05/2024
Sample ID:	CCB1							
Cyanide		mg/L	< 0.0025	0.0025	U	0.00093	0.005	12/05/2024
Sample ID:	CCB2							
Cyanide		mg/L	< 0.0025	0.0025	U	0.00093	0.005	12/05/2024
Sample ID:	CCB3							
Cyanide		mg/L	< 0.0025	0.0025	U	0.00093	0.005	12/05/2024

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Preparation Blank Summary

Client: New York City DEP of Environmental Protection/BWS **SDG No.:** P5018

Project: Industrial Wastewater Discharge Permit - Fall 2024

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: **lb133639BL**							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.002	0.01	11/26/2024
Sample ID: **LB133658BL**							
TSS	mg/L	< 2.0000	2.0000	U	1	4	11/27/2024
Sample ID: **LB133678BL**							
Non-Polar Material	mg/L	< 2.5000	2.5000	U	0.4	5.0	12/02/2024
Sample ID: **PB165397BL**							
Cyanide	mg/L	< 0.0025	0.0025	U	0.00093	0.005	12/05/2024

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Matrix Spike Summary

Client: New York City DEP of Environmental Protection/BWS **SDG No.:** P5018

Project: Industrial Wastewater Discharge Permit - Fall 2024 **Sample ID:** P4997-04

Client ID: 14B-4MS **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Non-Polar Material	mg/L	78-114	20.9		0.80	J	20.0	1	101		12/02/2024

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Matrix Spike Summary

Client: New York City DEP of Environmental Protection/BWS **SDG No.:** P5018

Project: Industrial Wastewater Discharge Permit - Fall 2024 **Sample ID:** P4997-04

Client ID: 14B-4MSD **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Non-Polar Material	mg/L	78-114	21.0		0.80	J	20.0	1	101		12/02/2024

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Matrix Spike Summary

Client: New York City DEP of Environmental Protection/BWS **SDG No.:** P5018

Project: Industrial Wastewater Discharge Permit - Fall 2024 **Sample ID:** P4997-07

Client ID: 14B-(1-4)-COMPMS **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Cyanide	mg/L	75-125	0.040		0.0045	J	0.04	1	89		12/05/2024

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Matrix Spike Summary

Client: New York City DEP of Environmental Protection/BWS **SDG No.:** P5018

Project: Industrial Wastewater Discharge Permit - Fall 2024 **Sample ID:** P4997-07

Client ID: 14B-(1-4)-COMPMSD **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Cyanide	mg/L	75-125	0.040		0.0045	J	0.04	1	89		12/05/2024

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Matrix Spike Summary

Client: New York City DEP of Environmental Protection/BWS **SDG No.:** P5018

Project: Industrial Wastewater Discharge Permit - Fall 2024 **Sample ID:** P5018-04

Client ID: 14B-4MS **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Non-Polar Material	mg/L	78-114	20.9		0.60	J	20.0	1	102		12/02/2024

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Matrix Spike Summary

Client: New York City DEP of Environmental Protection/BWS **SDG No.:** P5018

Project: Industrial Wastewater Discharge Permit - Fall 2024 **Sample ID:** P5018-04

Client ID: 14B-4MSD **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Non-Polar Material	mg/L	78-114	20.8		0.60	J	20.0	1	101		12/02/2024

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Matrix Spike Summary

Client: New York City DEP of Environmental Protection/BWS **SDG No.:** P5018

Project: Industrial Wastewater Discharge Permit - Fall 2024 **Sample ID:** P5018-07

Client ID: 14B-(1-4)-COMPMS **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Hexavalent Chromium	mg/L	90-111	0.98		0.0020	U	1.0	2	98		11/26/2024

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Matrix Spike Summary

Client: New York City DEP of Environmental Protection/BWS **SDG No.:** P5018

Project: Industrial Wastewater Discharge Permit - Fall 2024 **Sample ID:** P5018-07

Client ID: 14B-(1-4)-COMPMSD **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Hexavalent Chromium	mg/L	90-111	0.98		0.0020	U	1.0	2	98		11/26/2024

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Fax : 908 789 8922

Duplicate Sample Summary

Client: New York City DEP of Environmental Protection/BWS
SDG No.: P5018
Project: Industrial Wastewater Discharge Permit - Fall 2024
Sample ID: P4997-04
Client ID: 14B-4MSD
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Non-Polar Material	mg/L	+/-18	20.9		21.0		1	0.48		12/02/2024

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Duplicate Sample Summary

Client: New York City DEP of Environmental Protection/BWS
SDG No.: P5018
Project: Industrial Wastewater Discharge Permit - Fall 2024
Sample ID: P4997-07
Client ID: 14B-(1-4)-COMPDUP
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Cyanide	mg/L	+/-20	0.0045	J	0.0042	J	1	7		12/05/2024

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Duplicate Sample Summary

Client: New York City DEP of Environmental Protection/BWS
SDG No.: P5018
Project: Industrial Wastewater Discharge Permit - Fall 2024
Sample ID: P4997-07
Client ID: 14B-(1-4)-COMPMSD
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Cyanide	mg/L	+/-20	0.040		0.040		1	0		12/05/2024

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Duplicate Sample Summary

Client: New York City DEP of Environmental Protection/BWS
SDG No.: P5018
Project: Industrial Wastewater Discharge Permit - Fall 2024
Sample ID: P5018-04
Client ID: 14B-4DUP
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
TSS	mg/L	+/-5	5270		5070		1	3.87		11/27/2024
Field pH	pH	+/-20	6.78		6.77		1	0.15		11/26/2024
Field Temperature	o C	+/-20	13.4		13.4		1	0		11/26/2024

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Duplicate Sample Summary

Client: New York City DEP of Environmental Protection/BWS
SDG No.: P5018
Project: Industrial Wastewater Discharge Permit - Fall 2024
Sample ID: P5018-04
Client ID: 14B-4MSD
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Non-Polar Material	mg/L	+/-18	20.9		20.8		1	0.48		12/02/2024

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Duplicate Sample Summary

Client: New York City DEP of Environmental Protection/BWS
SDG No.: P5018
Project: Industrial Wastewater Discharge Permit - Fall 2024
Sample ID: P5018-07
Client ID: 14B-(1-4)-COMPDUP
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Hexavalent Chromium	mg/L	+/-20	0.0020	U	0.0020	U	1	0		11/26/2024

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Duplicate Sample Summary

Client: New York City DEP of Environmental Protection/BWS
SDG No.: P5018
Project: Industrial Wastewater Discharge Permit - Fall 2024
Sample ID: P5018-07
Client ID: 14B-(1-4)-COMPMSD
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Hexavalent Chromium	mg/L	+/-20	0.98		0.98		2	0.41		11/26/2024

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Laboratory Control Sample Summary

Client:	New York City DEP of Environmental Protection/BWS	**SDG No.:**	P5018
Project:	Industrial Wastewater Discharge Permit - Fall 2024	**Run No.:**	LB133639

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID lb133639BS								
Hexavalent Chromium	**mg/L**	**0.5**	**0.50**		**100**	**1**	**90-111**	**11/26/2024**

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Laboratory Control Sample Summary

Client:	New York City DEP of Environmental Protection/BWS	**SDG No.:**	P5018
Project:	Industrial Wastewater Discharge Permit - Fall 2024	**Run No.:**	LB133658

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB133658BS								
TSS	mg/L	550	536		98	1	90-110	11/27/2024

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Laboratory Control Sample Summary

Client:	New York City DEP of Environmental Protection/BWS	**SDG No.:**	P5018
Project:	Industrial Wastewater Discharge Permit - Fall 2024	**Run No.:**	LB133678

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB133678BS								
Non-Polar Material	mg/L	20.0	17.0		85	1	78-114	12/02/2024

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Laboratory Control Sample Summary

Client:	New York City DEP of Environmental Protection/BWS	**SDG No.:**	P5018
Project:	Industrial Wastewater Discharge Permit - Fall 2024	**Run No.:**	LB133772

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID **PB165397BS**								
Cyanide	mg/L	0.1	0.095		95	1	85-115	12/05/2024

SHIPPING DOCUMENTS

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. P5018
QUOTE NO.
COC Number 2041835

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8.1

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: New York City DEP of Environmental
ADDRESS: 3701 Jerome Ave
CITY Bronx STATE: NY ZIP:
ATTENTION: Nicholas Prokopowicz
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Industrial W/w Discharge
PROJECT NO.: LOCATION:
PROJECT MANAGER: Nicholas Prokopowicz
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 2 (Results + QC)
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ Level 4 (QC + Full Raw Data)
- ☐ NJ Reduced
- ☐ NYS ASP A
- ☐ Other
- ☐ US EPA CLP
- ☐ NYS ASP B
- ☐ EDD FORMAT

ANALYSIS

1 Non-Polar Material
2 TSS, pH
3 HexChrom
4 VOC
5 Metals
6 Cyanide
7
8
9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES E/C (1)	E (2)	E/A (3)	E/B (4)	E/D (5)	(6)	(7)	(8)	(9)	COMMENTS
1.	14B-1	Water		X	11-26-24	700	6	X	X	X	X	X					6.76 pH
2.	14B-2			X		759	6	X	X	X	X	X					6.80 pH
3.	14B-3			X		900	6	X	X	X	X	X					6.89 pH
4.	14B-4			X		1001	6	X	X	X	X	X					6.78 pH
5.	14B-4MS			X		1002	1	X									
6.	14B-4MSD			X		1003	1	X									
7.																	
8.																	
9.																	
10.																	

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. JT	11-26-24 1020	1.
2.		2.
3. JT	11-26-24 1350	3.

Conditions of bottles or coolers at receipt: ☒ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.8 °C
Comments:

Page ____ of ____

CLIENT: ☐ Hand Delivered ☐ Other
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete ☐ YES ☐ NO

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

284 Sheffield Street, Mountainside, NJ 07092 Tel. 908-789-8900 Fax 908-789-8922

8

8.1

FIELD SAMPLING LOG

Client Name: New York City DEP of Environmental

Client Address: 3701 Jerome Ave

Client Rep on Site: Nicholas Prokopowicz

Sampling Date: 11·26·24

Arrival Time: 600 Departure Time: 1020

Project Name: Industrial w/w Discharge

Project Location: Bronx, NY

Cooler Custody Seal: NA

Temperature Correction Factor (°C): NA

FIELD SAMPLING INFORMATION

Sampling Location	Date/Time of sampling	Field Measurements			
		Date/Time of Analysis	pH	Temperature °C	Specific Conductance (mS/cm) (99% -101%)
CCV (w3071)	0653 11·26·24	0655 11·26·24	6.99	18.21	N/A
14B#1	700	703	6.76	13.25	
14B#2	759	802	6.80	13.14	
14B#3	900	903	6.89	13.29	
14B#4	1001	1003	6.78	13.41	
DUP	1004	1007	6.77	13.39	
CCV (w3071)	1008	1010	7.01	18.18	

Meter: YSI MPS, Model # 556, Serial # 085A0063

Sampler Signature/Date: 11·26·24

Supervisor Review/Date:

QA Control# A3041241

FIELD SAMPLING LOG

Client Name: New York City DEP of Environmental
Client Address: 3701 Jerome Ave
Client Rep on Site: Nicholas ProKopowicz
Sampling Date: 11·26·24
Arrival Time: 600 Departure Time: 1020

Project Name: Industrial w/ Discharge
Project Location: Bronx, NY
Cooler Custody Seal: NA
Temperature Correction Factor (°C): NA

FIELD EQUIPMENT CALIBRATION (± 1%) (99% -101%)

pH Calibration (± 1%) (99% -101%) (SM4500-H B/9040C)				
	Calibration (± 1%) (99% -101%)			ICV (± 0.1 pH unit)
	7.00 Buffer W 3071	4.00 Buffer W 3107	10.00 Buffer W 3094	7.00 Buffer W 3093
Time	0640	0643	0646	0649
Temp °C	18.41	18.81	18.95	18.07
pH	6.98	3.99	9.98	7.02

FIELD EQUIPMENT CALIBRATION (± 1%) (99% -101%)

Specific Conductance (mS/cm) (99% -101%)/(mmho/cm) (SM2510 B/120.1/9050A)		
	Calibration (± 1%) (99% -101%)	ICV (± 1%) (99% -101%)
	WP	WP
Time		
Temp °C		
Reading (mS/cm)		

Sampler Signature/Date: 11·26·24

Supervisor Review/Date:

QA Control# A3041241

CHEMTECH

284 Sheffield Street Mountainside, NJ 07092

Laboratory Composite Sample log

Chemtech Project number: P5018 Date: 11-26-24

Client Name: New York City DEP of Environment Client Project Name : Industrial W/W Discharge

Instructions: Composite metals, Cyanide, Hexchrom samples 4:1

Sample Custodian: IT

Client Sample ID	Weigh /Volume used	New ID	Sample Description	Sample Composite time	Comments
14B #1	500mL - 125mL 1000mL - 250mL	14B (1-4) comp	Dark Brown Water	1420	125x4 = 500mL 250x4 = 1000mL Volume used
14B #2					
14B #3					
14B #4					

QA Control # A3041240

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P5018 NEWY17
Client Name : New York City DEP of Env
Client Contact : Nicholas Prokopowicz
Invoice Name : New York City DEP of Env
Invoice Contact : Nicholas Prokopowicz

Order Date : 11/26/2024 12:20:00 PM
Project Name : Industrial Wastewater Disch
Receive DateTime : 11/26/2024 [redacted] 1:50:00 PM
Purchase Order :

Project Mgr :
Report Type : Level 2
EDD Type : EXCEL NOCLEANUP
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P5018-01	14B-1	Water	11/26/2024	07:00					
					VOCMS Group1		624.1		10 Bus. Days
P5018-02	14B-2	Water	11/26/2024	07:59					
					VOCMS Group1		624.1		10 Bus. Days
P5018-03	14B-3	Water	11/26/2024	09:00					
					VOCMS Group1		624.1		10 Bus. Days
P5018-04	14B-4	Water	11/26/2024	10:01					
					VOCMS Group1		624.1		10 Bus. Days

Relinquished By : JT
Date / Time : 11-26-24 1415

Received By : Sam
Date / Time : 11/26/24 1415

Storage Area : VOA Refridgerator Room