

DATA PACKAGE GENERAL CHEMISTRY

PROJECT NAME : AE1-CTY 3.2.Z-PR-DOCK-DES-ODC - 60693795-1719206

AECOM

605 3rd Avenue

29th Floor

New York, NY - 10158

Phone No: 212-973-2900

ORDER ID : Q3393

ATTENTION : Rob Forstner



Laboratory Certification ID # 20012



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Cover Page

Order ID : Q3393

Project ID : AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206

Client : AECOM

Lab Sample Number

Q3393-01
Q3393-02
Q3393-03
Q3393-04
Q3393-05

Client Sample Number

PR132-S10-000022-20251017
PR132-S10-022047-20251017
PR132-S08-013038-20251017
PR132-S06-000021-20251017
PR132-S08-000013-20251017

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 : _____

Date: 10/28/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012



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

CASE NARRATIVE

AECOM

Project Name: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206

Project # N/A

Order ID # Q3393

Test Name: Hexavalent Chromium,TOC

A. Number of Samples and Date of Receipt:

5 Solid samples were received on 10/17/2025.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: Hexavalent Chromium,TOC. This data package contains results for Hexavalent Chromium,TOC.

C. Analytical Techniques:

The analysis of Hexavalent Chromium was based on method 7196A and The analysis of TOC was based on method Lloyd Kahn.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Blank Spike met requirements for all compounds.

The Duplicate analysis met criteria for all compounds.

The Matrix Spike analysis met criteria for all compounds.

The Matrix Spike Duplicate analysis met criteria for all compounds.

The Blank analysis did not indicate the presence of lab contamination.

The Calibration met the requirements.

E. Additional Comments:

Lab has used least representable sample weight for the sample Q3393-01, Q3393-02, Q3393-03, Q3393-04 and Q3393-05 for TOC analysis. Therefore Lab has reported the TOC result with "OR" qualifier.

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_____

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

GENERAL CHEMISTRY CONFORMANCE/NON-CONFORMANCE SUMMARY

ORDER ID: Q3393

MATRIX: Solid

METHOD: 7196A,Lloyd Kahn

	NA	NO	YES
1. Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
2. Matrix Spike Duplicate Recoveries Met Criteria			✓
If not met, list those compounds and their recoveries which fall outside the acceptable range.			
The Blank Spike met requirements for all compounds.			
3. Sample Duplicate Analysis Met QC Criteria			✓
If not met, list those compounds and their recoveries which fall outside the acceptable range.			
4. Digestion Holding Time Met			✓
If not met, list number of days exceeded for each sample:			

ADDITIONAL COMMENTS: Lab has used least representable sample weight for the sample Q3393-01, Q3393-02, Q3393-03, Q3393-04 and Q3393-05 for TOC analysis. Therefore Lab has reported the TOC result with "OR" qualifier.

QA REVIEW

Date

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q3393

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: 10/28/2025

LAB CHRONICLE

OrderID:	Q3393	OrderDate:	10/17/2025 4:23:00 PM
Client:	AECOM	Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC -
Contact:	Rob Forstner	Location:	60993705-PR-19208 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3393-01	PR132-S10-000022-2 0251017	SOIL	Hexavalent Chromium	7196A	10/17/25 09:45	10/23/25	10/23/25 12:22	10/17/25
			TOC	Lloyd Kahn			10/21/25 12:28	
Q3393-02	PR132-S10-022047-2 0251017	SOIL	Hexavalent Chromium	7196A	10/17/25 09:55	10/23/25	10/23/25 12:22	10/17/25
			TOC	Lloyd Kahn			10/21/25 12:46	
Q3393-03	PR132-S08-013038-2 0251017	SOIL	Hexavalent Chromium	7196A	10/17/25 08:55	10/23/25	10/23/25 12:23	10/17/25
			TOC	Lloyd Kahn			10/21/25 13:19	
Q3393-04	PR132-S06-000021-2 0251017	SOIL	Hexavalent Chromium	7196A	10/17/25 08:00	10/23/25	10/23/25 12:23	10/17/25
			TOC	Lloyd Kahn			10/21/25 14:15	
Q3393-05	PR132-S08-000013-2 0251017	SOIL	Hexavalent Chromium	7196A	10/17/25 08:45	10/23/25	10/23/25 12:24	10/17/25

LAB CHRONICLE

TOC

Lloyd Kahn

10/21/25
14:34



SAMPLE DATA

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-S10-000022-20251017
Lab Sample ID: Q3393-01

Date Collected: 10/17/25 09:45
Date Received: 10/17/25
SDG No.: Q3393
Matrix: SOIL
% Solid: 56

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Hexavalent Chromium	0.71	U	1	0.13	0.71	mg/Kg	10/23/25 08:50	10/23/25 12:22	7196A
TOC	26500	OR	1	43.4	250	mg/Kg		10/21/25 12:28	Lloyd Kahn

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

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-S10-022047-20251017
Lab Sample ID: Q3393-02

Date Collected: 10/17/25 09:55
Date Received: 10/17/25
SDG No.: Q3393
Matrix: SOIL
% Solid: 54

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Hexavalent Chromium	0.72	U	1	0.13	0.72	mg/Kg	10/23/25 08:50	10/23/25 12:22	7196A
TOC	26200	OR	1	43.4	250	mg/Kg		10/21/25 12:46	Lloyd Kahn

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

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-S08-013038-20251017
Lab Sample ID: Q3393-03

Date Collected: 10/17/25 08:55
Date Received: 10/17/25
SDG No.: Q3393
Matrix: SOIL
% Solid: 52.8

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Hexavalent Chromium	0.75	U	1	0.13	0.75	mg/Kg	10/23/25 08:50	10/23/25 12:23	7196A
TOC	35900	OR	1	43.4	250	mg/Kg		10/21/25 13:19	Lloyd Kahn

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

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-S06-000021-20251017
Lab Sample ID: Q3393-04

Date Collected: 10/17/25 08:00
Date Received: 10/17/25
SDG No.: Q3393
Matrix: SOIL
% Solid: 56.2

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Hexavalent Chromium	0.69	U	1	0.12	0.69	mg/Kg	10/23/25 08:50	10/23/25 12:23	7196A
TOC	33500	OR	1	43.4	250	mg/Kg		10/21/25 14:15	Lloyd Kahn

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

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-S08-000013-20251017
Lab Sample ID: Q3393-05

Date Collected: 10/17/25 08:45
Date Received: 10/17/25
SDG No.: Q3393
Matrix: SOIL
% Solid: 52

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Hexavalent Chromium	0.75	U	1	0.13	0.75	mg/Kg	10/23/25 08:50	10/23/25 12:24	7196A
TOC	34000	OR	1	43.4	250	mg/Kg		10/21/25 14:34	Lloyd Kahn

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

Initial and Continuing Calibration Verification

Client: AECOM

SDG No.: Q3393

Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206

RunNo.: LB137593

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1 TOC	mg/L	968	1000	97	90-110	07/22/2025
Sample ID: CCV1 TOC	mg/L	984	1000	98	90-110	10/21/2025
Sample ID: CCV2 TOC	mg/L	1070	1000	107	90-110	10/21/2025
Sample ID: CCV3 TOC	mg/L	1080	1000	108	90-110	10/21/2025
Sample ID: CCV4 TOC	mg/L	1070	1000	107	90-110	10/22/2025
Sample ID: CCV5 TOC	mg/L	985	1000	98	90-110	10/22/2025

Initial and Continuing Calibration Verification

Client: AECOM

SDG No.: Q3393

Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206

RunNo.: LB137625

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV Hexavalent Chromium	mg/L	0.489	0.5	98	90-110	10/23/2025
Sample ID: CCV1 Hexavalent Chromium	mg/L	0.494	0.5	99	90-110	10/23/2025
Sample ID: CCV2 Hexavalent Chromium	mg/L	0.489	0.5	98	90-110	10/23/2025
Sample ID: CCV3 Hexavalent Chromium	mg/L	0.494	0.5	99	90-110	10/23/2025
Sample ID: CCV4 Hexavalent Chromium	mg/L	0.495	0.5	99	90-110	10/23/2025

Initial and Continuing Calibration Blank Summary

Client: AECOM

SDG No.: Q3393

Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206

RunNo.: LB137593

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1 TOC	mg/L	< 125.0000	125.0000	U	32.1	250	07/22/2025
Sample ID: CCB1 TOC	mg/L	< 125.0000	125.0000	U	32.1	250	10/21/2025
Sample ID: CCB2 TOC	mg/L	37.5	125.0000	J	32.1	250	10/21/2025
Sample ID: CCB3 TOC	mg/L	< 125.0000	125.0000	U	32.1	250	10/21/2025
Sample ID: CCB4 TOC	mg/L	< 125.0000	125.0000	U	32.1	250	10/22/2025
Sample ID: CCB5 TOC	mg/L	< 125.0000	125.0000	U	32.1	250	10/22/2025

Initial and Continuing Calibration Blank Summary

Client: AECOM

SDG No.: Q3393

Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206

RunNo.: LB137625

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	10/23/2025
Sample ID: CCB1 Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	10/23/2025
Sample ID: CCB2 Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	10/23/2025
Sample ID: CCB3 Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	10/23/2025
Sample ID: CCB4 Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	10/23/2025

Preparation Blank Summary

Client: AECOM

SDG No.: Q3393

Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB137593BLS TOC	mg/Kg	< 125.0000	125.0000	U	43.4	250	10/21/2025
Sample ID: LB137593BLS2 TOC	mg/Kg	< 125.0000	125.0000	U	43.4	250	10/22/2025
Sample ID: PB170212BL Hexavalent Chromium	mg/Kg	< 0.2000	0.2000	U	0.07	0.4	10/23/2025

Matrix Spike Summary

Client:	AECOM	SDG No.:	Q3393
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-171	Sample ID:	Q3395-02
Client ID:	PR132-S07-000102-20251017MS	Percent Solids for Spike Sample:	47.9

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	75-125	2560		0.14	U	2680	40	96		10/23/2025

Matrix Spike Summary

Client:	AECOM	SDG No.:	Q3393
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-171	Sample ID:	Q3395-02
Client ID:	PR132-S07-000102-20251017MS	Percent Solids for Spike Sample:	47.9

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	85-115	75.0		0.14	U	83.5	2	90		10/23/2025

Matrix Spike Summary

Client:	AECOM	SDG No.:	Q3393
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-171	Sample ID:	Q3395-02
Client ID:	PR132-S07-000102-20251017MS	Percent Solids for Spike Sample:	47.9

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	75-125	64.3		0.14	U	83.5	2	77		10/23/2025

Matrix Spike Summary

Client:	AECOM	SDG No.:	Q3393
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-171	Sample ID:	Q3395-02
Client ID:	PR132-S07-000102-20251017MS	Percent Solids for Spike Sample:	47.9

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
TOC	mg/Kg	75-125	33000	OR	31800	OR	1000	1	120		10/21/2025

Matrix Spike Summary

Client:	AECOM	SDG No.:	Q3393
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-171	Sample ID:	Q3395-02
Client ID:	PR132-S07-000102-20251017MSD	Percent Solids for Spike Sample:	47.9

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
TOC	mg/Kg	75-125	33000	OR	31800	OR	1000	1	120		10/21/2025

Duplicate Sample Summary

Client: AECOM	SDG No.: Q3393
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Sample ID: Q3395-02
Client ID: PR132-S07-000102-20251017DUP	Percent Solids for Spike Sample: 47.9

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	+/-20	0.14	U	0.14	U	1	0		10/23/2025

Duplicate Sample Summary

Client: AECOM	SDG No.: Q3393
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Sample ID: Q3395-02
Client ID: PR132-S07-000102-20251017MSD	Percent Solids for Spike Sample: 47.9

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
TOC	mg/Kg	+/-20	33000	OR	33000	OR	1	0		10/21/2025

Laboratory Control Sample Summary

Client:	AECOM	SDG No.:	Q3393
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Run No.:	LB137593

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB137593BSS							
TOC	mg/Kg	1000	992		99	1	90-110	10/21/2025

Laboratory Control Sample Summary

Client:	AECOM	SDG No.:	Q3393
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Run No.:	LB137593

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB137593BSS2							
TOC	mg/Kg	1000	1020		102	1	90-110	10/22/2025

Laboratory Control Sample Summary

Client:	AECOM	SDG No.:	Q3393
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Run No.:	LB137625

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID PB170212BS								
Hexavalent Chromium	mg/Kg	20	19.7		98	1	84-110	10/23/2025



RAW DATA

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Sample ID	Result	Std. Dev.	RSD	Mode	ALT
CCV1	998.4673			TOC	
CCV1	995.8633			TOC	
CCV1	908.7418			TOC	
CCV1.....	1032.1479...	..	...	TOC	..
CCB1	3.3579			TOC	
CCB1	1.4193			TOC	
CCB1.....	5.7105...	..	...	TOC	..
CCB1	4.1176			TOC	
LB137593BLS	5.1289			TOC	
LB137593BLS.....	3.9234...	..	...	TOC	..
LB137593BLS	2.8966			TOC	
LB137593BLS	3.2415			TOC	
LB137593BSS.....	947.0833...	..	...	TOC	..
LB137593BSS	954.4511			TOC	
LB137593BSS	1004.9752			TOC	
LB137593BSS.....	1059.5481...	..	...	TOC	..
Q3376-01	40461.1836			TOC	
Q3376-01	37452.9102			TOC	
Q3376-01.....	35676.9141...	..	...	TOC	..
Q3376-01	39964.2305			TOC	
Q3376-02	41315.0195			TOC	
Q3376-02.....	38688.1367...	..	...	TOC	..
Q3376-02	34369.2852			TOC	
Q3376-02	38446.9922			TOC	
Q3376-03.....	38059.5977...	..	...	TOC	..
Q3376-03	34853.5508			TOC	
Q3376-03	33512.8398			TOC	
Q3376-03.....	30600.8418...	..	...	TOC	..
Q3376-04	32624.8438			TOC	
Q3376-04	28457.8008			TOC	
Q3376-04.....	32499.5020...	..	...	TOC	..
Q3376-04	30843.4062			TOC	
Q3376-05	25777.8457			TOC	
Q3376-05.....	24056.6230...	..	...	TOC	..
Q3376-05	23839.3496			TOC	
Q3376-05	21993.7012			TOC	
Q3393-01.....	28815.6328...	..	...	TOC	..
Q3393-01	25512.7305			TOC	
Q3393-01	24304.0449			TOC	
Q3393-01.....	27343.3848...	..	...	TOC	..
Q3393-02	25634.6230			TOC	
Q3393-02	28756.9043			TOC	
Q3393-02.....	25633.4863...	..	...	TOC	..
Q3393-02	24879.1914			TOC	
Q3393-03	34394.6484			TOC	
Q3393-03.....	32259.2695...	..	...	TOC	..
Q3393-03	33267.9453			TOC	
Q3393-03	43628.1055			TOC	
CCV2.....	1038.7329...	..	...	TOC	..
CCV2	1099.2522			TOC	
CCV2	1055.5806			TOC	
CCV2.....	1071.2795...	..	...	TOC	..
CCB2	39.1982			TOC	
CCB2	38.9474			TOC	
CCB2.....	37.6533...	..	...	TOC	..
CCB2	34.1713			TOC	
Q3393-04	30111.8750			TOC	
Q3393-04.....	32993.7031...	..	...	TOC	..
Q3393-04	30683.3301			TOC	
Q3393-04	40026.5859			TOC	
Q3393-05.....	35432.0977...	..	...	TOC	..
Q3393-05	33719.5469			TOC	
Q3393-05	31311.9355			TOC	
Q3393-05.....	35525.3906...	..	...	TOC	..

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Q3395-01	24595.8691		TOC	
Q3395-01	26625.2773		TOC	
Q3395-01.....	25133.5918...	..	...TOC	..
Q3395-01	25975.0508		TOC	
Q3395-02	35544.2969		TOC	
Q3395-02.....	28194.5215...	..	...TOC	..
Q3395-02	31962.1270		TOC	
Q3395-02	31499.5684		TOC	
Q3395-03MS.....	35124.2617...	..	...TOC	..
Q3395-03MS	32080.7207		TOC	
Q3395-03MS	31856.0332		TOC	
Q3395-03MS.....	32741.1973...	..	...TOC	..
Q3395-04MSD	35228.0625		TOC	
Q3395-04MSD	31432.5664		TOC	
Q3395-04MSD.....	31840.0371...	..	...TOC	..
Q3395-04MSD	33576.2344		TOC	
CCV3	1085.7422		TOC	
CCV3.....	1172.0782...	..	...TOC	..
CCV3	1026.5826		TOC	
CCV3	1043.2911		TOC	
CCB3.....	24.4945...	..	...TOC	..
CCB3	42.2239		TOC	
CCB3	18.1646		TOC	
CCB3.....	27.0209...	..	...TOC	..
CCV4	1010.0525		TOC	
CCV4	1070.5487		TOC	
CCV4.....	1095.1412...	..	...TOC	..
CCV4	1089.6324		TOC	
CCB4	29.2162		TOC	
CCB4.....	31.0238...	..	...TOC	..
CCB4	36.5029		TOC	
CCB4	29.6312		TOC	
LB137593BLS2.....	36.8838...	..	...TOC	..
LB137593BLS2	33.1027		TOC	
LB137593BLS2	24.9931		TOC	
LB137593BLS2.....	23.2571...	..	...TOC	..
LB137593BSS2	997.2904		TOC	
LB137593BSS2	1021.2867		TOC	
LB137593BSS2.....	1038.3915...	..	...TOC	..
LB137593BSS2	1024.6125		TOC	
Q3395-05	35750.7031		TOC	
Q3395-05.....	32101.3340...	..	...TOC	..
Q3395-05	34016.5586		TOC	
Q3395-05	35995.1211		TOC	
Q3395-06.....	15683.2637...	..	...TOC	..
Q3395-06	11751.4424		TOC	
Q3395-06	12347.0771		TOC	
Q3395-06.....	14095.7744...	..	...TOC	..
Q3395-07	23209.5352		TOC	
Q3395-07	25102.5762		TOC	
Q3395-07.....	23214.2402...	..	...TOC	..
Q3395-07	26117.6133		TOC	
CCV5	1003.8641		TOC	
CCV5.....	974.5903...	..	...TOC	..
CCV5	980.8826		TOC	
CCV5	981.1557		TOC	
CCB5.....	3.2817...	..	...TOC	..
CCB5	4.3006		TOC	
CCB5	2.8621		TOC	
CCB5.....	1.1215...	..	...TOC	..

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Method ID	Sample Type	Vial	Timestamp	Message
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	Sample		2025/10/21 09:11	
	Sample		2025/10/21 09:13	
	Sample		2025/10/21 09:18	
...	Sample	..	..2025/10/21 09:20	..
	Sample		2025/10/21 09:27	Low Sample Detected
	Sample		2025/10/21 09:30	Low Sample Detected
...	Sample	..	..2025/10/21 09:33	..Low Sample Detected
	Sample		2025/10/21 09:36	Low Sample Detected
	Sample		2025/10/21 09:43	Low Sample Detected
...	Sample	..	..2025/10/21 09:47	..Low Sample Detected
	Sample		2025/10/21 09:53	Low Sample Detected
	Sample		2025/10/21 09:57	Low Sample Detected
...	Sample	..	..2025/10/21 10:02	..
	Sample		2025/10/21 10:04	
	Sample		2025/10/21 10:13	
...	Sample	..	..2025/10/21 10:17	..
	Sample		2025/10/21 10:29	
	Sample		2025/10/21 10:34	
...	Sample	..	..2025/10/21 10:40	..
	Sample		2025/10/21 10:45	
	Sample		2025/10/21 10:52	
...	Sample	..	..2025/10/21 10:57	..
	Sample		2025/10/21 11:03	
	Sample		2025/10/21 11:08	
...	Sample	..	..2025/10/21 11:13	..
	Sample		2025/10/21 11:19	
	Sample		2025/10/21 11:24	
...	Sample	..	..2025/10/21 11:34	..
	Sample		2025/10/21 11:40	
	Sample		2025/10/21 11:44	
...	Sample	..	..2025/10/21 11:50	..
	Sample		2025/10/21 11:55	
	Sample		2025/10/21 12:01	
...	Sample	..	..2025/10/21 12:05	..
	Sample		2025/10/21 12:08	
	Sample		2025/10/21 12:11	
...	Sample	..	..2025/10/21 12:16	..
	Sample		2025/10/21 12:19	
	Sample		2025/10/21 12:24	
...	Sample	..	..2025/10/21 12:28	..
	Sample		2025/10/21 12:34	
	Sample		2025/10/21 12:39	
...	Sample	..	..2025/10/21 12:42	..
	Sample		2025/10/21 12:46	
	Sample		2025/10/21 13:05	
...	Sample	..	..2025/10/21 13:10	..
	Sample		2025/10/21 13:14	
	Sample		2025/10/21 13:19	
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	Sample		2025/10/21 13:37	
	Sample		2025/10/21 13:40	
...	Sample	..	..2025/10/21 13:42	..
	Sample		2025/10/21 13:48	
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...	Sample	..	..2025/10/21 13:52	..
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...	Sample	..	..2025/10/21 14:05	..
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...Sample	..	..2025/10/21 14:34	..
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Sample		2025/10/21 16:59	
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Sample		2025/10/21 17:10	
Sample		2025/10/21 17:13	Low Sample Detected
...Sample	..	..2025/10/21 17:16	..Low Sample Detected
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Sample		2025/10/22 08:48	
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Sample		2025/10/22 09:05	
Sample		2025/10/22 09:07	
...Sample	..	..2025/10/22 09:09	..
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Sample		2025/10/22 09:43	
...Sample	..	..2025/10/22 09:48	..
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Sample		2025/10/22 10:08	
...Sample	..	..2025/10/22 10:11	..
Sample		2025/10/22 10:16	
Sample		2025/10/22 10:28	
...Sample	..	..2025/10/22 10:30	..
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...Sample	..	..2025/10/22 10:41	..Low Sample Detected
Sample		2025/10/22 10:47	Low Sample Detected
Sample		2025/10/22 10:50	Low Sample Detected
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Last Message: Low Sample Detected
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Sample ID: CCB1 Mode: TOC
Method: Filename: 10210930
Cal. Curve: TOC SOIL Timestamp: 2025/10/21 09:33
Operator ID: RM IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	5.7105	0.2284	16952	-2.084	-2.079	120

Last Message: Low Sample Detected
=====

Sample ID: CCB1 Mode: TOC
Method: Filename: 10210933
Cal. Curve: TOC SOIL Timestamp: 2025/10/21 09:36
Operator ID: RM IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	4.1176	0.1647	12223	-2.049	-2.141	120

Last Message: Low Sample Detected
=====

Sample ID: LB137593BLS Mode: TOC
Method: Filename: 10210941
Cal. Curve: TOC SOIL Timestamp: 2025/10/21 09:43
Operator ID: RM IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	5.1289	0.2052	15225	-2.148	-2.156	120

Last Message: Low Sample Detected
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Sample ID: LB137593BLS Mode: TOC
Method: Filename: 10210944
Cal. Curve: TOC SOIL Timestamp: 2025/10/21 09:47
Operator ID: RM IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	3.9234	0.1569	11647	-1.939	-2.163	120

Last Message: Low Sample Detected
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Sample ID: LB137593BLS Mode: TOC
Method: Filename: 10210951
Cal. Curve: TOC SOIL Timestamp: 2025/10/21 09:53
Operator ID: RM IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	2.8966	0.1159	8598	-2.154	-2.173	120

Last Message: Low Sample Detected
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Sample ID: LB137593BLS
Method:
Cal. Curve: TOC SOIL
Operator ID: RM IZ
Mode: TOC
Filename: 10210954
Timestamp: 2025/10/21 09:57
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	3.2415	0.1297	9622	-2.172	-2.158	120

Last Message: Low Sample Detected
=====

Sample ID: LB137593BSS
Method:
Cal. Curve: TOC SOIL
Operator ID: RM IZ
Mode: TOC
Filename: 10211000
Timestamp: 2025/10/21 10:02
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	947.0833	37.8833	2811423	-2.209	-1.211	72

Sample ID: LB137593BSS
Method:
Cal. Curve: TOC SOIL
Operator ID: RM IZ
Mode: TOC
Filename: 10211003
Timestamp: 2025/10/21 10:04
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	954.4511	38.1780	2833294	-1.393	-0.396	59

Sample ID: LB137593BSS
Method:
Cal. Curve: TOC SOIL
Operator ID: RM IZ
Mode: TOC
Filename: 10211011
Timestamp: 2025/10/21 10:13
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	1004.9752	40.1990	2983275	-1.093	-0.100	59

Sample ID: LB137593BS
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Method:
Cal. Curve: TOC SOIL
Operator ID: RM IZ
Mode: TOC
Filename: 10211015
Timestamp: 2025/10/21 10:17
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	1059.5481	42.3819	3145275	-2.033	-1.035	76

Sample ID: Q3376-01
Method:
Cal. Curve: TOC SOIL
Operator ID: RM IZ
Mode: TOC
Filename: 10211024
Timestamp: 2025/10/21 10:29
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	40461.1836	218.4904	16214753	-2.087	5.174	240

Sample ID: Q3376-01 Mode: TOC
Method: Filename: 10211030
Cal. Curve: TOC SOIL Timestamp: 2025/10/21 10:34
Operator ID: RM IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	37452.9102	220.9722	16398931	4.050	5.194	240

Sample ID: Q3376-01 Mode: TOC
Method: Filename: 10211035
Cal. Curve: TOC SOIL Timestamp: 2025/10/21 10:40
Operator ID: RM IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	35676.9141	224.7646	16680375	4.795	5.787	210

Sample ID: Q3376-01 Mode: TOC
Method: Filename: 10211041
Cal. Curve: TOC SOIL Timestamp: 2025/10/21 10:45
Operator ID: RM IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	39964.2305	227.7961	16905356	-1.510	4.259	240

Sample ID: Q3376-02 Mode: TOC
Method: Filename: 10211047
Cal. Curve: TOC SOIL Timestamp: 2025/10/21 10:52
Operator ID: RM IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	41315.0195	243.7586	18089976	-1.743	7.200	240

Sample ID: Q3376-02 Mode: TOC
Method: Filename: 10211053
Cal. Curve: TOC SOIL Timestamp: 2025/10/21 10:57
Operator ID: RM IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	38688.1367	228.2600	16939780	0.396	5.989	240

Sample ID: Q3376-02
Method:
Cal. Curve: TOC SOIL
Operator ID: RM IZ

Mode: TOC
Filename: 10211058
Timestamp: 2025/10/21 11:03
Sample Type: Sample

Reviewed By:Iwona
On:10/23/2025 1:41:28
PM
Inst Id :Appolo-9000
LB :LB137593

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	34369.2852	213.0896	15813944	-1.285	0.865	240

Sample ID: Q3376-02
Method:
Cal. Curve: TOC SOIL
Operator ID: RM IZ

Mode: TOC
Filename: 10211103
Timestamp: 2025/10/21 11:08
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	38446.9922	215.3032	15978220	-1.404	2.461	240

Sample ID: Q3376-03
Method:
Cal. Curve: TOC SOIL
Operator ID: RM IZ

Mode: TOC
Filename: 10211109
Timestamp: 2025/10/21 11:13
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	38059.5977	205.5218	15252321	-1.430	5.058	240

Sample ID: Q3376-03
Method:
Cal. Curve: TOC SOIL
Operator ID: RM IZ

Mode: TOC
Filename: 10211114
Timestamp: 2025/10/21 11:19
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	34853.5508	209.1213	15519447	2.074	3.073	227

Sample ID: Q3376-03
Method:
Cal. Curve: TOC SOIL
Operator ID: RM IZ

Mode: TOC
Filename: 10211120
Timestamp: 2025/10/21 11:24
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	33512.8398	187.6719	13927631	0.867	1.855	218

Sample ID: Q3376-03
Method:
Cal. Curve: TOC SOIL
Operator ID: RM IZ

Mode: TOC
Filename: 10211129
Timestamp: 2025/10/21 11:34
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
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1	30600.8418	177.4849	13171624	1.761	4.416	240
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Sample ID: Q3376-04				Mode:	TOC	
Method:				Filename:	10211136	
Cal. Curve: TOC SOIL				Timestamp:	2025/10/21 11:40	
Operator ID: RM IZ				Sample Type:	Sample	
Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	32624.8438	189.2241	14042823	0.570	1.562	236
=====						

Sample ID: Q3376-04				Mode:	TOC	
Method:				Filename:	10211141	
Cal. Curve: TOC SOIL				Timestamp:	2025/10/21 11:44	
Operator ID: RM IZ				Sample Type:	Sample	
Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	28457.8008	156.5179	11615609	7.330	8.327	129
=====						
==						

Sample ID: Q3376-04				Mode:	TOC	
Method:				Filename:	10211145	
Cal. Curve: TOC SOIL				Timestamp:	2025/10/21 11:50	
Operator ID: RM IZ				Sample Type:	Sample	
Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	32499.5020	188.4971	13988871	0.965	1.962	221
=====						

Sample ID: Q3376-04				Mode:	TOC	
Method:				Filename:	10211151	
Cal. Curve: TOC SOIL				Timestamp:	2025/10/21 11:55	
Operator ID: RM IZ				Sample Type:	Sample	
Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	30843.4062	191.2291	14191621	0.178	1.607	240
=====						

Sample ID: Q3376-05				Mode:	TOC	
Method:				Filename:	10211156	
Cal. Curve: TOC SOIL				Timestamp:	2025/10/21 12:01	
Operator ID: RM IZ				Sample Type:	Sample	
Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	25777.8457	146.9337	10904341	-1.654	1.880	240
=====						

Sample ID: Q3376-05				Mode:	TOC	
Method:				Filename:	10211202	

Cal. Curve: TOC SOIL
Operator ID: RM IZ

Timestamp: 2025/10/21 12:05
Sample Type: Sample

Reviewed By:Iwona
On:10/23/2025 1:41:28
PM
Inst Id :Appolo-9000
LB :LB137593

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	24056.6230	149.1511	11068896	4.540	5.536	145

Sample ID: Q3376-05
Method:
Cal. Curve: TOC SOIL
Operator ID: RM IZ

Mode: TOC
Filename: 10211205
Timestamp: 2025/10/21 12:08
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	23839.3496	138.2682	10261253	6.804	7.788	112

Sample ID: Q3376-05
Method:
Cal. Curve: TOC SOIL
Operator ID: RM IZ

Mode: TOC
Filename: 10211209
Timestamp: 2025/10/21 12:11
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	21993.7012	123.1647	9140382	5.893	6.888	108

Sample ID: Q3393-01
Method:
Cal. Curve: TOC SOIL
Operator ID: RM IZ

Mode: TOC
Filename: 10211212
Timestamp: 2025/10/21 12:16
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	28815.6328	170.0122	12617060	-1.020	-0.023	212

Sample ID: Q3393-01
Method:
Cal. Curve: TOC SOIL
Operator ID: RM IZ

Mode: TOC
Filename: 10211217
Timestamp: 2025/10/21 12:19
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	25512.7305	147.9738	10981531	11.346	12.332	95

Sample ID: Q3393-01
Method:
Cal. Curve: TOC SOIL
Operator ID: RM IZ

Mode: TOC
Filename: 10211220
Timestamp: 2025/10/21 12:24
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	24304.0449	155.5459	11543474	4.230	5.230	193

Sample ID: Q3393-01
Method:
Cal. Curve: TOC SOIL
Operator ID: RM IZ

Mode: TOC
Filename: 10211225
Timestamp: 2025/10/21 12:28
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	27343.3848	158.5916	11769506	0.661	1.656	170

Sample ID: Q3393-02
Method:
Cal. Curve: TOC SOIL
Operator ID: RM IZ

Mode: TOC
Filename: 10211229
Timestamp: 2025/10/21 12:34
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	25634.6230	153.8077	11414481	-1.452	-0.454	204

Sample ID: Q3393-02
Method:
Cal. Curve: TOC SOIL
Operator ID: RM IZ

Mode: TOC
Filename: 10211235
Timestamp: 2025/10/21 12:39
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	28756.9043	158.1630	11737694	-0.352	0.645	182

Sample ID: Q3393-02
Method:
Cal. Curve: TOC SOIL
Operator ID: RM IZ

Mode: TOC
Filename: 10211239
Timestamp: 2025/10/21 12:42
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	25633.4863	146.1109	10843276	7.019	7.998	132

Sample ID: Q3393-02
Method:
Cal. Curve: TOC SOIL
Operator ID: RM IZ

Mode: TOC
Filename: 10211243
Timestamp: 2025/10/21 12:46
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	24879.1914	136.8355	10154929	8.012	9.001	150

Sample ID: Q3393-03
Method:
Cal. Curve: TOC SOIL
Operator ID: RM IZ

Mode: TOC
Filename: 10211301
Timestamp: 2025/10/21 13:05
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	34394.6484	199.4890	14804606	2.354	3.354	165

Sample ID: Q3393-03
Method:
Cal. Curve: TOC SOIL
Operator ID: RM IZ

Mode: TOC
Filename: 10211306
Timestamp: 2025/10/21 13:10
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning	Ending	Integration
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1	1071.2795	42.8512	3180100	-1.664	-0.667	78
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Sample ID: CCB2
Method:
Cal. Curve: TOC SOIL
Operator ID: RM IZ

Mode: TOC
Filename: 10211347
Timestamp: 2025/10/21 13:48
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	39.1982	1.5679	116360	-2.031	-1.039	40

Sample ID: CCB2
Method:
Cal. Curve: TOC SOIL
Operator ID: RM IZ

Mode: TOC
Filename: 10211349
Timestamp: 2025/10/21 13:50
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	38.9474	1.5579	115616	-1.979	-0.988	43

Sample ID: CCB2
Method:
Cal. Curve: TOC SOIL
Operator ID: RM IZ

Mode: TOC
Filename: 10211351
Timestamp: 2025/10/21 13:52
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	37.6533	1.5061	111774	-1.893	-0.898	41

Sample ID: CCB2
Method:
Cal. Curve: TOC SOIL
Operator ID: RM IZ

Mode: TOC
Filename: 10211352
Timestamp: 2025/10/21 13:54
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	34.1713	1.3669	101438	-1.926	-0.928	39

Sample ID: Q3393-04
Method:
Cal. Curve: TOC SOIL
Operator ID: RM IZ

Mode: TOC
Filename: 10211356
Timestamp: 2025/10/21 14:00
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	30111.8750	183.6824	13631561	4.983	5.983	153

Sample ID: Q3393-04
Method:
Cal. Curve: TOC SOIL
Operator ID: RM IZ

Mode: TOC
Filename: 10211401
Timestamp: 2025/10/21 14:05
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	32993.7031	178.1660	13222171	1.266	2.361	240

Sample ID: Q3393-04 Mode: TOC
Method: Filename: 10211406
Cal. Curve: TOC SOIL Timestamp: 2025/10/21 14:10
Operator ID: RM IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	30683.3301	187.1683	13890258	3.621	4.617	218

Sample ID: Q3393-04 Mode: TOC
Method: Filename: 10211411
Cal. Curve: TOC SOIL Timestamp: 2025/10/21 14:15
Operator ID: RM IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	40026.5859	232.1542	17228780	4.234	5.226	239

Sample ID: Q3393-05 Mode: TOC
Method: Filename: 10211416
Cal. Curve: TOC SOIL Timestamp: 2025/10/21 14:21
Operator ID: RM IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	35432.0977	201.9630	14988207	-0.132	3.235	240

Sample ID: Q3393-05 Mode: TOC
Method: Filename: 10211422
Cal. Curve: TOC SOIL Timestamp: 2025/10/21 14:26
Operator ID: RM IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	33719.5469	188.8295	14013535	1.556	2.556	226

Sample ID: Q3393-05 Mode: TOC
Method: Filename: 10211427
Cal. Curve: TOC SOIL Timestamp: 2025/10/21 14:30
Operator ID: RM IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	31311.9355	172.2156	12			
780580	7.812	8.807	152			

Sample ID: Q3393-05 Mode: TOC
Method: Filename: 10211430
Cal. Curve: TOC SOIL Timestamp: 2025/10/21 14:34
Operator ID: RM IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning	Ending	Integration
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				Baseline	Baseline	Time
1	35525.3906	184.7320	13709454	4.351	5.346	188
=====						

Sample ID: Q3395-01	Mode: TOC
Method:	Filename: 10211448
Cal. Curve: TOC SOIL	Timestamp: 2025/10/21 14:52
Operator ID: RM IZ	Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	24595.8691	150.0348	11134481	3.573	4.570	147
=====						

Sample ID: Q3395-01	Mode: TOC
Method:	Filename: 10211453
Cal. Curve: TOC SOIL	Timestamp: 2025/10/21 14:57
Operator ID: RM IZ	Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	26625.2773	167.7392	12448375	1.488	2.485	235
=====						

Sample ID: Q3395-01	Mode: TOC
Method:	Filename: 10211458
Cal. Curve: TOC SOIL	Timestamp: 2025/10/21 15:01
Operator ID: RM IZ	Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	25133.5918	145.7748	10818338	10.285	11.284	121
=====						

Sample ID: Q3395-01	Mode: TOC
Method:	Filename: 10211502
Cal. Curve: TOC SOIL	Timestamp: 2025/10/21 15:04
Operator ID: RM IZ	Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	25975.0508	142.8628	10602227	19.342	20.332	90
=====						

Sample ID: Q3395-02	Mode: TOC
Method:	Filename: 10211506
Cal. Curve: TOC SOIL	Timestamp: 2025/10/21 15:10
Operator ID: RM IZ	Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	35544.2969	209.7114	15563236	-0.934	7.871	240
=====						

Sample ID: Q3395-02	Mode: TOC
Method:	Filename: 10211511
Cal. Curve: TOC SOIL	Timestamp: 2025/10/21 15:15
Operator ID: RM IZ	Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning	Ending	Integration
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				Baseline	Baseline	Time
1	28194.5215	163.5282	12135864	2.522	3.519	191
=====						

Sample ID: Q3395-02	Mode: TOC
Method:	Filename: 10211515
Cal. Curve: TOC SOIL	Timestamp: 2025/10/21 15:19
Operator ID: RM IZ	Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	31962.1270	169.3993	12571570	3.461	4.451	180
=====						

Sample ID: Q3395-02	Mode: TOC
Method:	Filename: 10211525
Cal. Curve: TOC SOIL	Timestamp: 2025/10/21 15:29
Operator ID: RM IZ	Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	31499.5684	176.3976	13090933	1.674	2.672	233
=====						

Sample ID: Q3395-03MS	Mode: TOC
Method:	Filename: 10211532
Cal. Curve: TOC SOIL	Timestamp: 2025/10/21 15:36
Operator ID: RM IZ	Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	35124.2617	196.6959	14597322	-0.625	1.021	240
=====						

Sample ID: Q3395-03MS	Mode: TOC
Method:	Filename: 10211538
Cal. Curve: TOC SOIL	Timestamp: 2025/10/21 15:42
Operator ID: RM IZ	Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	32080.7207	186.0682	13808614	9.604	10.598	177
=====						

Sample ID: Q3395-03MS	Mode: TOC
Method:	Filename: 10211547
Cal. Curve: TOC SOIL	Timestamp: 2025/10/21 15:51
Operator ID: RM IZ	Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	31856.0332	197.5074	14657549	4.245	5.238	219
=====						

Sample ID: Q3395-03MS	Mode: TOC
Method:	Filename: 10211557
Cal. Curve: TOC SOIL	Timestamp: 2025/10/21 16:01
Operator ID: RM IZ	Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning	Ending	Integration
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				Baseline	Baseline	Time
1	32741.1973	176.8025	13120980	5.928	6.922	175
=====						

Sample ID: Q3395-04MSD	Mode: TOC
Method:	Filename: 10211603
Cal. Curve: TOC SOIL	Timestamp: 2025/10/21 16:07
Operator ID: RM IZ	Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	35228.0625	214.8912	15947645	5.445	6.441	177
=====						

Sample ID: Q3395-04MSD	Mode: TOC
Method:	Filename: 10211614
Cal. Curve: TOC SOIL	Timestamp: 2025/10/21 16:17
Operator ID: RM IZ	Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	31432.5664	172.8791	12829818	7.288	8.279	168
=====						

Sample ID: Q3395-04MSD	Mode: TOC
Method:	Filename: 10211623
Cal. Curve: TOC SOIL	Timestamp: 2025/10/21 16:26
Operator ID: RM IZ	Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	31840.0371	178.3042	13232429	10.374	11.358	128
=====						

Sample ID: Q3395-04MSD	Mode: TOC
Method:	Filename: 10211627
Cal. Curve: TOC SOIL	Timestamp: 2025/10/21 16:30
Operator ID: RM IZ	Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	33576.2344	184.6693	13704798	3.867	4.861	151
=====						

Sample ID: CCV3	Mode: TOC
Method:	Filename: 10211649
Cal. Curve: TOC SOIL	Timestamp: 2025/10/21 16:52
Operator ID: RM IZ	Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	1085.7422	43.4297	3223033	-1.219	-0.225	139
=====						

Sample ID: CCV3	Mode: TOC
Method:	Filename: 10211653
Cal. Curve: TOC SOIL	Timestamp: 2025/10/21 16:56
Operator ID: RM IZ	Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
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1	1172.0782	46.8831	3479322	-1.201	-0.204	146
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Sample ID: CCV3
Method:
Cal. Curve: TOC SOIL
Operator ID: RM IZ

Mode: TOC
Filename: 10211656
Timestamp: 2025/10/21 16:59
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	1026.5826	41.0633	3047417	-1.056	-0.060	136

Sample ID: CCV3
Method:
Cal. Curve: TOC SOIL
Operator ID: RM IZ

Mode: TOC
Filename: 10211700
Timestamp: 2025/10/21 17:03
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	1043.2911	41.7316	3097016	-1.268	-0.270	148

Sample ID: CCB3
Method:
Cal. Curve: TOC SOIL
Operator ID: RM IZ

Mode: TOC
Filename: 10211704
Timestamp: 2025/10/21 17:07
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	24.4945	0.9798	72712	-1.558	-0.827	120

Last Message: Low Sample Detected

Sample ID: CCB3
Method:
Cal. Curve: TOC SOIL
Operator ID: RM IZ

Mode: TOC
Filename: 10211708
Timestamp: 2025/10/21 17:10
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	42.2239	1.6890	125342	-1.438	-0.440	117

Sample ID: CCB3
Method:
Cal. Curve: TOC SOIL
Operator ID: RM IZ

Mode: TOC
Filename: 10211711
Timestamp: 2025/10/21 17:13
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	18.1646	0.7266	53922	-1.491	-1.094	120

Last Message: Low Sample Detected

Sample ID: CCB3
Method:
Cal. Curve: TOC SOIL
Operator ID: RM IZ

Mode: TOC
Filename: 10211714
Timestamp: 2025/10/21 17:16
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	27.0209	1.0808	80212	-1.642	-0.823	120

Last Message: Low Sample Detected

Sample ID: CCV4
Method:
Cal. Curve: TOC SOIL
Operator ID: RM IZ

Mode: TOC
Filename: 10220844
Timestamp: 2025/10/22 08:46
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	1010.0525	40.4021	2998347	-1.319	-0.322	77

Sample ID: CCV4
Method:
Cal. Curve: TOC SOIL
Operator ID: RM IZ

Mode: TOC
Filename: 10220846
Timestamp: 2025/10/22 08:48
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	1070.5487	42.8219	3177931	-1.098	-0.099	75

Sample ID: CCV4
Method:
Cal. Curve: TOC SOIL
Operator ID: RM IZ

Mode: TOC
Filename: 10220851
Timestamp: 2025/10/22 08:53
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	1095.1412	43.8056	3250933	-1.103	-0.104	78

Sample ID: CCV4
Method:
Cal. Curve: TOC SOIL
Operator ID: RM IZ

Mode: TOC
Filename: 10220854
Timestamp: 2025/10/22 08:56
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	1089.6324	43.5853	3234581	-1.096	-0.100	77

Sample ID: CCB4
Method:
Cal. Curve: TOC SOIL
Operator ID: RM IZ

Mode: TOC
Filename: 10220900
Timestamp: 2025/10/22 09:01
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	29.2162	1.1686	86728	-1.348	-0.352	41

Sample ID: CCB4
Method:
Cal. Curve: TOC SOIL
Operator ID: RM IZ

Mode: TOC
Filename: 10220902
Timestamp: 2025/10/22 09:03
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	31.0238	1.2410	92094	-1.462	-0.472	40

Sample ID: CCB4
Method:
Cal. Curve: TOC SOIL
Operator ID: RM IZ

Mode: TOC
Filename: 10220904
Timestamp: 2025/10/22 09:05
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	36.5029	1.4601	108359	-1.324	-0.333	43

Sample ID: CCB4
Method:
Cal. Curve: TOC SOIL
Operator ID: RM IZ
Sample Type: Sample

Mode: TOC
Filename: 10220906
Timestamp: 2025/10/22 09:07

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	29.6312	1.1852	87960	-1.507	-0.514	41

Sample ID: LB137593BLS2
Method:
Cal. Curve: TOC SOIL
Operator ID: RM IZ

Mode: TOC
Filename: 10220908
Timestamp: 2025/10/22 09:09
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	36.8838	1.4754	109490	-1.586	-0.588	41

Sample ID: LB137593BLS2
Method:
Cal. Curve: TOC SOIL
Operator ID: RM IZ

Mode: TOC
Filename: 10220910
Timestamp: 2025/10/22 09:11
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	33.1027	1.3241	98266	-1.448	-0.454	39

Sample ID: LB137593BLS2
Method:
Cal. Curve: TOC SOIL
Operator ID: RM IZ

Mode: TOC
Filename: 10220911
Timestamp: 2025/10/22 09:13
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	24.9931	0.9997	74192	-1.483	-0.493	36

Sample ID: LB137593BLS2
Method:
Cal. Curve: TOC SOIL
Operator ID: RM IZ

Mode: TOC
Filename: 10220913
Timestamp: 2025/10/22 09:14
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning	Ending	Integration
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Mode:          TOC
Filename:      10220915
Timestamp:     2025/10/22 09:17
Sample Type:   Sample
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Beginning Baseline -1.678	Ending Baseline -0.679	Integration Time 77
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Mode:          TOC
Filename:      10220918
Timestamp:     2025/10/22 09:20
Sample Type:   Sample
```

Beginning Baseline	Ending Baseline	Integration Time
-1.361	-0.363	72

```
Mode:          TOC
Filename:      10220920
Timestamp:     2025/10/22 09:22
Sample Type:   Sample
```

Beginning Baseline	Ending Baseline	Integration Time
-1.345	-0.347	73

```
Mode:          TOC
Filename:      10220923
Timestamp:     2025/10/22 09:24
Sample Type:   Sample
```

Beginning Baseline -1.346	Ending Baseline -0.351	Integration Time 70
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```
Mode:          TOC
Filename:      10220925
Timestamp:     2025/10/22 09:30
Sample Type:   Sample
```

Beginning Baseline	Ending Baseline	Integration Time
-1.437	-0.010	240

```
Mode:          TOC
Filename:      10220931
Timestamp:     2025/10/22 09:34
Sample Type:   Sample
```

Beginning	Ending	Integration
1. 1000	1. 1000	1. 1000
2. 1000	2. 1000	2. 1000
3. 1000	3. 1000	3. 1000
4. 1000	4. 1000	4. 1000
5. 1000	5. 1000	5. 1000
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15. 1000	15. 1000	15. 1000
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67. 1000	67. 1000	67. 1000

				Baseline	Baseline	Time
1	32101.3340	176.5573	13102789	4.867	5.849	152
=====						

Sample ID: Q3395-05	Mode: TOC
Method:	Filename: 10220935
Cal. Curve: TOC SOIL	Timestamp: 2025/10/22 09:38
Operator ID: RM IZ	Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	34016.5586	187.0911	13884525	3.306	4.304	178
=====						

Sample ID: Q3395-05	Mode: TOC
Method:	Filename: 10220939
Cal. Curve: TOC SOIL	Timestamp: 2025/10/22 09:43
Operator ID: RM IZ	Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	35995.1211	201.5727	14959243	0.259	1.508	240
=====						

Sample ID: Q3395-06	Mode: TOC
Method:	Filename: 10220944
Cal. Curve: TOC SOIL	Timestamp: 2025/10/22 09:48
Operator ID: RM IZ	Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	15683.2637	92.5313	6866990	-1.110	-0.112	159
=====						

Sample ID: Q3395-06	Mode: TOC
Method:	Filename: 10220948
Cal. Curve: TOC SOIL	Timestamp: 2025/10/22 09:51
Operator ID: RM IZ	Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	11751.4424	63.4578	4709371	0.821	1.813	136
=====						

Sample ID: Q3395-06	Mode: TOC
Method:	Filename: 10220952
Cal. Curve: TOC SOIL	Timestamp: 2025/10/22 09:55
Operator ID: RM IZ	Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	12347.0771	67.9089	5039702	-0.943	0.056	162
=====						

Sample ID: Q3395-06	Mode: TOC
Method:	Filename: 10220956
Cal. Curve: TOC SOIL	Timestamp: 2025/10/22 09:59
Operator ID: RM IZ	Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning	Ending	Integration
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				Baseline	Baseline	Time
1	14095.7744	81.7555	6067292	-1.686	-0.687	
	154					
=====						

Sample ID: Q3395-07	Mode: TOC
Method:	Filename: 10221000
Cal. Curve: TOC SOIL	Timestamp: 2025/10/22 10:05
Operator ID: RM IZ	Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	23209.5352	134.6153	9990159	6.193	10.676	240

Sample ID: Q3395-07	Mode: TOC
Method:	Filename: 10221005
Cal. Curve: TOC SOIL	Timestamp: 2025/10/22 10:08
Operator ID: RM IZ	Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	25102.5762	145.5949	10804987	9.815	10.804	113

Sample ID: Q3395-07	Mode: TOC
Method:	Filename: 10221008
Cal. Curve: TOC SOIL	Timestamp: 2025/10/22 10:11
Operator ID: RM IZ	Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	23214.2402	123.0355	9130789	2.904	3.895	125

Sample ID: Q3395-07	Mode: TOC
Method:	Filename: 10221011
Cal. Curve: TOC SOIL	Timestamp: 2025/10/22 10:16
Operator ID: RM IZ	Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	26117.6133	138.4233	10272764	6.910	7.908	213

Sample ID: CCV5	Mode: TOC
Method:	Filename: 10221026
Cal. Curve: TOC SOIL	Timestamp: 2025/10/22 10:28
Operator ID: RM IZ	Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	1003.8641	40.1546	2979977	-1.495	-0.501	72

Sample ID: CCV5	Mode: TOC
Method:	Filename: 10221028
Cal. Curve: TOC SOIL	Timestamp: 2025/10/22 10:30
Operator ID: RM IZ	Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	974.5903	38.9836	2893077	-1.471	-0.478	70

Sample ID: CCV5
Method:
Cal. Curve: TOC SOIL
Operator ID: RM IZ

Mode: TOC
Filename: 10221031
Timestamp: 2025/10/22 10:32
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	980.8826	39.2353	2911756	-1.516	-0.519	68

Sample ID: CCV5
Method:
Cal. Curve: TOC SOIL
Operator ID: RM IZ

Mode: TOC
Filename: 10221033
Timestamp: 2025/10/22 10:34
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	981.1557	39.2462	2912567	-1.510	-0.514	65

Sample ID: CCB5
Method:
Cal. Curve: TOC SOIL
Operator ID: RM IZ

Mode: TOC
Filename: 10221038
Timestamp: 2025/10/22 10:41
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	3.2817	0.1313	9742	-1.874	-1.958	120

Last Message: Low Sample Detected

Sample ID: CCB5
Method:
Cal. Curve: TOC SOIL
Operator ID: RM IZ

Mode: TOC
Filename: 10221044
Timestamp: 2025/10/22 10:47
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	4.3006	0.1720	12766	-1.993	-1.995	120

Last Message: Low Sample Detected

Sample ID: CCB5
Method:
Cal. Curve: TOC SOIL
Operator ID: RM IZ

Mode: TOC
Filename: 10221048
Timestamp: 2025/10/22 10:50
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	2.8621	0.1145	8496	-1.971	-1.993	120

Last Message: Low Sample Detected

Sample ID: CCB5
Mode: TOC

Method:
Cal. Curve: TOC SOIL
Operator ID: RM IZ

Filename: 10221051
Timestamp: 2025/10/22 10:53
Sample Type: Sample

Reviewed By:Iwona
On:10/23/2025 1:41:28
PM
Inst Id :Appolo-9000
LB :LB137593

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	1.1215	0.0449	3329	-1.950	-1.987	120

Last Message: Low Sample Detected
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Sample ID	Result	Std. Dev.	RSD	Mode	ALT
BLANK	9654	4527	46.90	TOC	
250mg/l	815484	52798	6.47	TOC	
500mg/l	1674242	35888	2.14	TOC	
1000mg/l.....	3145790...	89290..	2.84...	TOC	..
2000mg/l	5974688	94378	1.58	TOC	
ICV	972.3586			TOC	
ICV.....	961.9182...	..	...	TOC	..
ICV	968.0812			TOC	
ICV	969.9279			TOC	
ICB.....	4.2936...	..	...	TOC	..
ICB	4.9668			TOC	
ICB	3.5644			TOC	
ICB.....	7.3627...	..	...	TOC	..

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Method ID	Sample Type	Vial	Timestamp	Message
Boat Sampler	TOC Standard		2025/07/22 10:12	Low Sample Detected
Boat Sampler	TOC Standard		2025/07/22 10:21	
Boat Sampler	TOC Standard		2025/07/22 10:29	
Boat Sampler	...TOC Standard	..	..2025/07/22 10:39	..
Boat Sampler	TOC Standard		2025/07/22 10:50	
Boat Sampler	Sample		2025/07/22 10:56	
Boat Sampler	...Sample	..	..2025/07/22 10:58	..
Boat Sampler	Sample		2025/07/22 11:01	
Boat Sampler	Sample		2025/07/22 11:03	
Boat Sampler	...Sample	..	..2025/07/22 11:10	..Low Sample Detected
Boat Sampler	Sample		2025/07/22 11:13	Low Sample Detected
Boat Sampler	Sample		2025/07/22 11:16	Low Sample Detected
Boat Sampler	...Sample	..	..2025/07/22 11:19	..Low Sample Detected

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Sample ID: 2000mg/l Mode: TOC
Method: Boat Sampler Filename: 07221040
Cal. Curve: TOC SOIL Timestamp: 2025/07/22 10:50
Operator ID: RM IZ Sample Type: TOC Standard

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1			5833243	-1.688	-0.691	105
2			6019740	-1.376	-0.378	97
3			6018462	-1.273	-0.275	92
4			6027308	-1.269	-0.272	94

<<<Statistics>>> Mean: 5974688 Std Dev: 94378 RSD: 1.58
=====

Sample ID: ICV Mode: TOC
Method: Boat Sampler Filename: 07221054
Cal. Curve: TOC SOIL Timestamp: 2025/07/22 10:56
Operator ID: RM IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	972.3586	38.8943	2886453	-1.846	-0.848	70

Sample ID: ICV Mode: TOC
Method: Boat Sampler Filename: 07221056
Cal. Curve: TOC SOIL Timestamp: 2025/07/22 10:58
Operator ID: RM IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	961.9182	38.4767	2855460	-1.619	-0.620	66

Sample ID: ICV Mode: TOC
Method: Boat Sampler Filename: 07221059
Cal. Curve: TOC SOIL Timestamp: 2025/07/22 11:01
Operator ID: RM IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	968.0812	38.7232	2873755	-1.730	-0.731	68

Sample ID: ICV Mode: TOC
Method: Boat Sampler Filename: 07221101
Cal. Curve: TOC SOIL Timestamp: 2025/07/22 11:03
Operator ID: RM IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	969.9279	38.7971	2879237	-1.619	-0.623	67

Sample ID: ICB Mode: TOC
Method: Boat Sampler Filename: 07221107
Cal. Curve: TOC SOIL Timestamp: 2025/07/22 11:10
Operator ID: RM IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	4.2936	0.1717	12746	-1.840	-1.885	120

Last Message: Low Sample Detected
=====

Sample ID: ICB Mode: TOC
Method: Boat Sampler Filename: 07221110
Cal. Curve: TOC SOIL Timestamp: 2025/07/22 11:13
Operator ID: RM IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	4.9668	0.1987	14744	-1.910	-1.920	120

Last Message: Low Sample Detected
=====

Sample ID: ICB Mode: TOC
Method: Boat Sampler Filename: 07221114
Cal. Curve: TOC SOIL Timestamp: 2025/07/22 11:16
Operator ID: RM IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	3.5644	0.1426	10581	-1.892	-1.896	120

Last Message: Low Sample Detected
=====

Sample ID: ICB Mode: TOC
Method: Boat Sampler Filename: 07221117
Cal. Curve: TOC SOIL Timestamp: 2025/07/22 11:19
Operator ID: RM IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	7.3627	0.2945	2			
1856	-1.846	-1.882	120			

Last Message: Low Sample Detected
=====

Calibration Report Print Date/Time: 2025/07/22 10:51:15

Cal. Curve ID: TOC SOIL
Created: 2025/07/22 10:51
Calibration Factor (m): 7.421e+04
Y Intercept (b): 97592
r-squared: 0.99879

Standard ID	Y	X Expected	Measured	Message	Date & Time
	Raw Data	ug C	ug C		
BLANK	9653	0.000	-1.185	—	2025/07/22 10:12
250mg/l	815483	10.000	9.673	-3.3	2025/07/22 10:21
500mg/l	1674242	20.000	21.245	6.2	2025/07/22 10:29
1000mg/l	3145790	40.000	41.074	2.7	2025/07/22 10:39
2000mg/l	5974688	80.000	79.193	-0.3	2025/07/22 10:50

12
7/22/25

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WORKLIST(Hardcopy Internal Chain)

6137593

WorkList Name : toc-1021 WorkList ID : 192566 Department : Wet-Chemistry Date : 10-21-2025 08:36:32

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3376-01	PR132-S05-057082-20251016	Solid	TOC	Cool 4 deg C	AECO02	D31	10/16/2025	Lloyd Kahn
Q3376-02	PR132-DP01-20251016	Solid	TOC	Cool 4 deg C	AECO02	D31	10/16/2025	Lloyd Kahn
Q3376-03	PR132-COMP2-20251016	Solid	TOC	Cool 4 deg C	AECO02	D31	10/16/2025	Lloyd Kahn
Q3376-04	PR132-S12-047072-20251016	Solid	TOC	Cool 4 deg C	AECO02	D31	10/16/2025	Lloyd Kahn
Q3376-05	PR132-S12-020047-20251016	Solid	TOC	Cool 4 deg C	AECO02	D31	10/16/2025	Lloyd Kahn
Q3393-01	PR132-S10-000022-20251017	Solid	TOC	Cool 4 deg C	AECO02	D31	10/16/2025	Lloyd Kahn
Q3393-02	PR132-S10-022047-20251017	Solid	TOC	Cool 4 deg C	AECO02	D31	10/17/2025	Lloyd Kahn
Q3393-03	PR132-S08-013038-20251017	Solid	TOC	Cool 4 deg C	AECO02	D31	10/17/2025	Lloyd Kahn
Q3393-04	PR132-S06-000021-20251017	Solid	TOC	Cool 4 deg C	AECO02	D31	10/17/2025	Lloyd Kahn
Q3393-05	PR132-S08-000013-20251017	Solid	TOC	Cool 4 deg C	AECO02	D31	10/17/2025	Lloyd Kahn
Q3395-01	PR132-S09-000051-20251017	Solid	TOC	Cool 4 deg C	AECO02	D31	10/17/2025	Lloyd Kahn
Q3395-02	PR132-S07-000102-20251017	Solid	TOC	Cool 4 deg C	AECO02	D31	10/17/2025	Lloyd Kahn
Q3395-03	Q3395-02MS	Solid	TOC	Cool 4 deg C	AECO02	D31	10/17/2025	Lloyd Kahn
Q3395-04	Q3395-02MSD	Solid	TOC	Cool 4 deg C	AECO02	D31	10/17/2025	Lloyd Kahn
Q3395-05	PR132-S07-102116-20251017	Solid	TOC	Cool 4 deg C	AECO02	D31	10/17/2025	Lloyd Kahn
Q3395-06	PR132-COMP03-20251017	Solid	TOC	Cool 4 deg C	AECO02	D31	10/17/2025	Lloyd Kahn
Q3395-07	PR132-S08-038048-20251017	Solid	TOC	Cool 4 deg C	AECO02	D31	10/17/2025	Lloyd Kahn

Date/Time 10/21/25 08:40
Raw Sample Received by: 121507
Raw Sample Relinquished by: 121507

Date/Time 10/21/25 14:20
Raw Sample Received by: 121507
Raw Sample Relinquished by: 121507

Analysis Method: 7196A

ANALYST: rubina

Parameter: ~~Hexavalent Chromium~~

SUPERVISOR REVIEW BY: Iwona

Run Number: LB137625

pH Meter ID: WC pH Meter-1

Reagent/Standard	Lot/Log #
hexavalent chromium color reagent	WP115295
5N sulfuric acid	WP112831
HNO3 Hex-Chrome, 5M	WP112830
Hexchrome Cleaning Solution	WP114310

Intercept: 0.0004

Slope: 0.7641

Regression: 0.999982

Seq	Lab ID	True Value (mg/l)	DF	Initial Vol (ml)	Final Vol (ml)	pH HNO3	pH H2SO4	Absorb.at 540nm		Absorbance Difference	Result (mg/L)	%D	Anal Date	Anal Time
								Backgrnd	Color					
1	CAL1	0	1	100	100	7.36	1.75	0.000	0.000	0.000	-0.00		10/23/2025	12:15
2	CAL2	0.01	1	100	100	7.42	1.84	0.000	0.008	0.008	0.009	-10	10/23/2025	12:15
3	CAL3	0.025	1	100	100	7.45	1.88	0.000	0.021	0.021	0.026	4	10/23/2025	12:16
4	CAL4	0.05	1	100	100	7.42	1.84	0.000	0.038	0.038	0.049	-2	10/23/2025	12:16
5	CAL5	0.1	1	100	100	7.49	1.89	0.000	0.078	0.078	0.101	1	10/23/2025	12:17
6	CAL6	0.5	1	100	100	7.52	1.92	0.000	0.379	0.379	0.495	-1	10/23/2025	12:17
7	CAL7	1	1	100	100	7.48	1.90	0.000	0.766	0.766	1.001	0.1	10/23/2025	12:18

Analytical Summary Report

Analysis Method: 7196A

ANALYST:rubina

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY:Iwona

Run Number: LB137625

pH Meter ID:WC pH Meter-1

Seq	Lab ID	True Value	DF	Initial Vol (ml/gm)	Final Vol (ml)	pH HN03	pH H2SO4	Absorb.at540nm		Absorbance Difference	Intermediate Result (mg/L)	Anal Date	Anal Time
								Backgrnd	Color				
1	ICV	0.5	1	100	100	7.40	1.90	0.000	0.374	0.374	0.489	10/23/2025	12:18
2	ICB		1	100	100	7.30	1.92	0.000	0.001	0.001	0.001	10/23/2025	12:19
3	CCV1	0.5	1	100	100	7.54	1.98	0.000	0.378	0.378	0.494	10/23/2025	12:19
4	CCB1		1	100	100	7.42	1.70	0.000	0.000	0.000	-0.001	10/23/2025	12:20
5	RL Check	0.01	1	100	100	7.50	2.06	0.000	0.009	0.009	0.011	10/23/2025	12:20
6	PB170212BL		1	2.50	100	7.50	2.02	0.000	0.001	0.001	0.001	10/23/2025	12:21
7	PB170212BS	20	1	2.50	100	7.39	2.01	0.000	0.376	0.376	0.492	10/23/2025	12:21
8	Q3393-01		1	2.51	100	7.52	1.90	0.004	0.005	0.001	0.001	10/23/2025	12:22
9	Q3393-02		1	2.57	100	7.42	1.94	0.005	0.006	0.001	0.001	10/23/2025	12:22
10	Q3393-03		1	2.53	100	7.40	1.91	0.008	0.009	0.001	0.001	10/23/2025	12:23
11	Q3393-04		1	2.57	100	7.52	1.99	0.010	0.010	0.000	-0.001	10/23/2025	12:23
12	Q3393-05		1	2.55	100	7.60	2.10	0.010	0.011	0.001	0.001	10/23/2025	12:24
13	Q3395-01		1	2.52	100	7.36	2.06	0.000	0.001	0.001	0.001	10/23/2025	12:24
14	Q3395-02		1	2.52	100	7.39	2.04	0.000	0.001	0.001	0.001	10/23/2025	12:25
15	Q3395-02DU		1	2.53	100	7.42	2.06	0.000	0.001	0.001	0.001	10/23/2025	12:25
16	CCV2	0.5	1	100	100	7.36	2.06	0.000	0.374	0.374	0.489	10/23/2025	12:26
17	CCB2		1	100	100	7.33	1.98	0.000	0.001	0.001	0.001	10/23/2025	12:26
18	Q3395-02MS	40	2	2.52	100	7.36	1.99	0.000	0.297	0.297	0.388	10/23/2025	12:27
19	Q3395-02MS	1284	40	2.52	100	7.42	2.07	0.000	0.590	0.590	0.772	10/23/2025	12:27
20	Q3395-02MS	40	2	2.54	100	7.45	2.10	0.000	0.349	0.349	0.456	10/23/2025	12:28
21	Q3395-05		1	2.56	100	7.52	2.24	0.010	0.010	0.000	-0.001	10/23/2025	12:28
22	Q3395-06		1	2.58	100	7.60	2.10	0.000	0.000	0.000	-0.001	10/23/2025	12:29
23	Q3395-07		1	2.51	100	7.55	2.17	0.002	0.003	0.001	0.001	10/23/2025	12:29
24	Q3416-01		1	2.52	100	7.42	2.06	0.000	0.000	0.000	-0.001	10/23/2025	12:30
25	Q3422-01		1	2.57	100	7.50	1.92	0.008	0.009	0.001	0.001	10/23/2025	12:30
26	Q3424-01		1	2.55	100	7.57	1.94	0.010	0.011	0.001	0.001	10/23/2025	12:31
27	Q3424-02		1	2.52	100	7.61	1.81	0.012	0.012	0.000	-0.001	10/23/2025	12:31
28	CCV3	0.5	1	100	100	7.56	1.88	0.000	0.378	0.378	0.494	10/23/2025	12:32
29	CCB3		1	100	100	7.51	1.90	0.000	0.001	0.001	0.001	10/23/2025	12:32
30	Q3424-03		1	2.56	100	7.39	2.10	0.010	0.010	0.000	-0.001	10/23/2025	12:33
31	Q3427-01		1	2.53	100	7.34	2.00	0.000	0.000	0.000	-0.001	10/23/2025	12:33
32	Q3431-01		1	2.55	100	7.64	2.10	0.000	0.000	0.000	-0.001	10/23/2025	12:34
33	CCV4	0.5	1	100	100	7.46	1.97	0.000	0.379	0.379	0.495	10/23/2025	12:34
34	CCB4		1	100	100	7.26	1.88	0.000	0.000	0.000	-0.001	10/23/2025	12:35

SOP ID : M3060A,7196A-Hex.Chromium-27

SDG No : N/A

Matrix : SOIL

Pipette ID : WC

Balance ID : WC SC-7

Hood ID : HOOD#3

Block ID : WC S-2, WC S-1

Weigh By : RM

Start Digest Date: 10/23/2025 Time : 08:50 Temp : 90 °C

End Digest Date: 10/23/2025 Time : 09:50 Temp : 94 °C

11 batch 10/23/2025 10-20 90 °C } RM
10/23/2025 11-20 94 °C }

Digestion tube ID : M6054

Block Thermometer ID : WC-Block#1

Filter paper ID : 400213

Prep Technician Signature: RM

pH Meter ID : WC pH meter-1

Supervisor Signature: 12

Standard Name	MLS USED	STD REF. # FROM LOG
PRE-DIGESTION SPIKE	2.0ML	WP113880
INSOLUBLE SPIKE	0.02GM	W2202
POST-DIGESTION SPIKE	2.0ML	WP113880
LCSS	1.0ML	WP113881
PBS003	50.ML	W3112

Chemical Used	ML/SAMPLE USED	Lot Number
MAGNESIUM CHLORIDE	0.4GM	W3152
PHOSPHATE BUFFER	0.5ML	WP112903
HEX. DIGESTION SOLN.	50.0ML	WP114900
5M HNO3	5-7ML	WP112830
5N H2SO4	1-3ML	WP112831
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

LAB SAMPLE ID	CLIENT SAMPLE ID	Vol(ml)	Comment
CAL1	CAL1	2.5ML	W3112
CAL2	CAL2	0.2ML	WP115291
CAL3	CAL3	0.5ML	WP115291
CAL4	CAL4	1ML	WP115291
CAL5	CAL5	0.2ML	WP113880
CAL6	CAL6	1ML	WP113880
CAL7	CAL7	2.0ML	WP113880
ICV	ICV	1ML	WP113881
ICB	ICB	2.5ML	W3112
CCV	CCV	1ML	WP113880
CCB	CCB	2.5ML	W3112

Extraction Conformance/Non-Conformance Comments:

N/A

10/23/2025 RM

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB170212BL	PBS212	2.50	100	N/A	N/A	N/A	N/A	N/A	N/A
PB170212BS	LCS212	2.50	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3393-01	PR132-S10-000022-20251017	2.51	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3393-02	PR132-S10-022047-20251017	2.57	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3393-03	PR132-S08-013038-20251017	2.53	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3393-04	PR132-S06-000021-20251017	2.57	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3393-05	PR132-S08-000013-20251017	2.55	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3395-01	PR132-S09-000051-20251017	2.52	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3395-02	PR132-S07-000102-20251017	2.52	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3395-02DUP	PR132-S07-000102-20251017DUP	2.53	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3395-02MSPre	PR132-S07-000102-20251017MSPRE	2.52	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3395-02MS2Ins	PR132-S07-000102-20251017MS2INS	2.52	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3395-02MS3Post	PR132-S07-000102-20251017MS3POST	2.54	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3395-05	PR132-S07-102116-20251017	2.56	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3395-06	PR132-COMP03-20251017	2.58	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3395-07	PR132-S08-038048-20251017	2.51	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3416-01	NB-08-10212025	2.52	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3422-01	PR132-S15-000008-20251017	2.57	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3424-01	PR132-DP3-20251021	2.55	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3424-02	PR132-S11-010080-20251021	2.52	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3424-03	PR132-S14-000094-20251021	2.56	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3427-01	TP-8	2.53	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3431-01	EO-02-10222025	2.55	100	N/A	N/A	N/A	N/A	N/A	N/A

WORKLIST(Hardcopy Internal Chain)

WorkList Name : HEX-10-22

WorkList ID : 192623

Department : Distillation

Date : 10-22-2025 13:05:30

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3393-01	PR132-S10-000022-20251017	Solid	Hexavalent Chromium	Cool 4 deg C	AECO02	D31	10/17/2025	7196A
Q3393-02	PR132-S10-022047-20251017	Solid	Hexavalent Chromium	Cool 4 deg C	AECO02	D31	10/17/2025	7196A
Q3393-03	PR132-S08-013038-20251017	Solid	Hexavalent Chromium	Cool 4 deg C	AECO02	D31	10/17/2025	7196A
Q3393-04	PR132-S06-000021-20251017	Solid	Hexavalent Chromium	Cool 4 deg C	AECO02	D31	10/17/2025	7196A
Q3393-05	PR132-S08-000013-20251017	Solid	Hexavalent Chromium	Cool 4 deg C	AECO02	D31	10/17/2025	7196A
Q3395-01	PR132-S09-000051-20251017	Solid	Hexavalent Chromium	Cool 4 deg C	AECO02	D31	10/17/2025	7196A
Q3395-02	PR132-S07-000102-20251017	Solid	Hexavalent Chromium	Cool 4 deg C	AECO02	D31	10/17/2025	7196A
Q3395-05	PR132-S07-102116-20251017	Solid	Hexavalent Chromium	Cool 4 deg C	AECO02	D31	10/17/2025	7196A
Q3395-06	PR132-COMP03-20251017	Solid	Hexavalent Chromium	Cool 4 deg C	AECO02	D31	10/17/2025	7196A
Q3395-07	PR132-S08-038048-20251017	Solid	Hexavalent Chromium	Cool 4 deg C	AECO02	D31	10/17/2025	7196A
Q3416-01	NB-08-10212025	Solid	Hexavalent Chromium	Cool 4 deg C	PSEG05	D31	10/21/2025	7196A
Q3422-01	PR132-S15-000008-20251017	Solid	Hexavalent Chromium	Cool 4 deg C	AECO02	D41	10/21/2025	7196A
Q3424-01	PR132-DP3-20251021	Solid	Hexavalent Chromium	Cool 4 deg C	AECO02	D31	10/21/2025	7196A
Q3424-02	PR132-S11-010080-20251021	Solid	Hexavalent Chromium	Cool 4 deg C	AECO02	D31	10/21/2025	7196A
Q3424-03	PR132-S14-000094-20251021	Solid	Hexavalent Chromium	Cool 4 deg C	AECO02	D31	10/21/2025	7196A
Q3427-01	TP-8	Solid	Hexavalent Chromium	Cool 4 deg C	PSEG03	D41	10/21/2025	7196A
Q3431-01	EO-02-10222025	Solid	Hexavalent Chromium	Cool 4 deg C	PSEG05	D41	10/22/2025	7196A

Date/Time 10/23/2025 08:15
 Raw Sample Received by: RM WU
 Raw Sample Relinquished by: JEC

Date/Time 10/23/2025 11:06
 Raw Sample Received by: JEC
 Raw Sample Relinquished by: RM WU

Instrument ID: TOC

Daily Analysis Runlog For Sequence/QC Batch ID # LB137593

Review By	rubina	Review On	10/23/2025 8:53:57 AM
Supervise By	Iwona	Supervise On	10/23/2025 1:41:28 PM
SubDirectory	LB137593	Test	TOC
STD. NAME	STD REF.#		
ICAL Standard	WP114036,WP114037,WP114038,WP114039,WP114040		
ICV Standard	WP114041		
CCV Standard	WP115276		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP115277		
Chk Standard	WP115035,WP115168		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	BLANK	BLANK	CAL1	07/22/25 10:12		RM IZ	OK
2	250mg/l	250mg/l	CAL2	07/22/25 10:21		RM IZ	OK
3	500mg/l	500mg/l	CAL3	07/22/25 10:29		RM IZ	OK
4	1000mg/l	1000mg/l	CAL4	07/22/25 10:39		RM IZ	OK
5	2000mg/l	2000mg/l	CAL5	07/22/25 10:50		RM IZ	OK
6	ICV1	ICV1	ICV	07/22/25 11:03		RM IZ	OK
7	ICB1	ICB1	ICB	07/22/25 11:19		RM IZ	OK
8	CCV1	CCV1	CCV	10/21/25 09:20		RM IZ	OK
9	CCB1	CCB1	CCB	10/21/25 09:36		RM IZ	OK
10	LB137593BLS	LB137593BLS	MB	10/21/25 09:57		RM IZ	OK
11	LB137593BSS	LB137593BSS	LCS	10/21/25 10:17		RM IZ	OK
12	Q3376-01	PR132-S05-057082-2	SAM	10/21/25 10:45		RM IZ	OK
13	Q3376-02	PR132-DP01-202510	SAM	10/21/25 11:08		RM IZ	OK
14	Q3376-03	PR132-COMP2-2025	SAM	10/21/25 11:34		RM IZ	OK
15	Q3376-04	PR132-S12-047072-2	SAM	10/21/25 11:55		RM IZ	OK
16	Q3376-05	PR132-S12-020047-2	SAM	10/21/25 12:11		RM IZ	OK
17	Q3393-01	PR132-S10-000022-2	SAM	10/21/25 12:28		RM IZ	OK
18	Q3393-02	PR132-S10-022047-2	SAM	10/21/25 12:46		RM IZ	OK

Instrument ID: TOC

Daily Analysis Runlog For Sequence/QC Batch ID # LB137593

Review By	rubina	Review On	10/23/2025 8:53:57 AM
Supervise By	Iwona	Supervise On	10/23/2025 1:41:28 PM
SubDirectory	LB137593	Test	TOC
STD. NAME	STD REF.#		
ICAL Standard	WP114036,WP114037,WP114038,WP114039,WP114040		
ICV Standard	WP114041		
CCV Standard	WP115276		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP115277		
Chk Standard	WP115035,WP115168		

19	Q3393-03	PR132-S08-013038-2	SAM	10/21/25 13:19		RM IZ	OK
20	CCV2	CCV2	CCV	10/21/25 13:42		RM IZ	OK
21	CCB2	CCB2	CCB	10/21/25 13:54		RM IZ	OK
22	Q3393-04	PR132-S06-000021-2	SAM	10/21/25 14:15		RM IZ	OK
23	Q3393-05	PR132-S08-000013-2	SAM	10/21/25 14:34		RM IZ	OK
24	Q3395-01	PR132-S09-000051-2	SAM	10/21/25 15:04		RM IZ	OK
25	Q3395-02	PR132-S07-000102-2	SAM	10/21/25 15:29		RM IZ	OK
26	Q3395-03MS	PR132-S07-000102-2	MS	10/21/25 16:01	sample + 40ul of WP115276	RM IZ	OK
27	Q3395-04MSD	PR132-S07-000102-2	MSD	10/21/25 16:30	sample + 40ul of WP115276	RM IZ	OK
28	CCV3	CCV3	CCV	10/21/25 17:03		RM IZ	OK
29	CCB3	CCB3	CCB	10/21/25 17:16		RM IZ	OK
30	CCV4	CCV4	CCV	10/22/25 08:56		RM IZ	OK
31	CCB4	CCB4	CCB	10/22/25 09:07		RM IZ	OK
32	LB137593BLS2	LB137593BLS2	MB	10/22/25 09:14		RM IZ	OK
33	LB137593BSS2	LB137593BSS2	LCS	10/22/25 09:24		RM IZ	OK
34	Q3395-05	PR132-S07-102116-2	SAM	10/22/25 09:43		RM IZ	OK
35	Q3395-06	PR132-COMP03-2025	SAM	10/22/25 09:59		RM IZ	OK
36	Q3395-07	PR132-S08-038048-2	SAM	10/22/25 10:16		RM IZ	OK
37	CCV5	CCV5	CCV	10/22/25 10:34		RM IZ	OK

Instrument ID: TOC

Daily Analysis Runlog For Sequence/QC Batch ID # LB137593

Review By	rubina	Review On	10/23/2025 8:53:57 AM
Supervise By	Iwona	Supervise On	10/23/2025 1:41:28 PM
SubDirectory	LB137593	Test	TOC
STD. NAME	STD REF.#		
ICAL Standard	WP114036,WP114037,WP114038,WP114039,WP114040		
ICV Standard	WP114041		
CCV Standard	WP115276		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP115277		
Chk Standard	WP115035,WP115168		

38	CCB5	CCB5	CCB	10/22/25 10:53		RM IZ	OK
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Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB137625

Review By	rubina	Review On	10/23/2025 1:38:14 PM
Supervise By	Iwona	Supervise On	10/23/2025 1:38:27 PM
SubDirectory	LB137625	Test	Hexavalent Chromium
STD. NAME	STD REF.#		
ICAL Standard	N/A		
ICV Standard	N/A		
CCV Standard	N/A		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	WP115295,WP112831,WP112830,WP114310		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	10/23/25 12:15		rubina	OK
2	CAL2	CAL2	CAL	10/23/25 12:15		rubina	OK
3	CAL3	CAL3	CAL	10/23/25 12:16		rubina	OK
4	CAL4	CAL4	CAL	10/23/25 12:16		rubina	OK
5	CAL5	CAL5	CAL	10/23/25 12:17		rubina	OK
6	CAL6	CAL6	CAL	10/23/25 12:17		rubina	OK
7	CAL7	CAL7	CAL	10/23/25 12:18		rubina	OK
8	ICV	ICV	ICV	10/23/25 12:18		rubina	OK
9	ICB	ICB	ICB	10/23/25 12:19		rubina	OK
10	CCV1	CCV1	CCV	10/23/25 12:19		rubina	OK
11	CCB1	CCB1	CCB	10/23/25 12:20		rubina	OK
12	RL Check	RL Check	RL	10/23/25 12:20		rubina	OK
13	PB170212BL	PB170212BL	MB	10/23/25 12:21		rubina	OK
14	PB170212BS	PB170212BS	LCS	10/23/25 12:21		rubina	OK
15	Q3393-01	PR132-S10-000022-2	SAM	10/23/25 12:22		rubina	OK
16	Q3393-02	PR132-S10-022047-2	SAM	10/23/25 12:22		rubina	OK
17	Q3393-03	PR132-S08-013038-2	SAM	10/23/25 12:23		rubina	OK
18	Q3393-04	PR132-S06-000021-2	SAM	10/23/25 12:23		rubina	OK

Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB137625

Review By	rubina	Review On	10/23/2025 1:38:14 PM
Supervise By	Iwona	Supervise On	10/23/2025 1:38:27 PM
SubDirectory	LB137625	Test	Hexavalent Chromium
STD. NAME	STD REF.#		
ICAL Standard	N/A		
ICV Standard	N/A		
CCV Standard	N/A		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	WP115295,WP112831,WP112830,WP114310		

19	Q3393-05	PR132-S08-000013-2	SAM	10/23/25 12:24		rubina	OK
20	Q3395-01	PR132-S09-000051-2	SAM	10/23/25 12:24		rubina	OK
21	Q3395-02	PR132-S07-000102-2	SAM	10/23/25 12:25		rubina	OK
22	Q3395-02DUP	PR132-S07-000102-2	DUP	10/23/25 12:25		rubina	OK
23	CCV2	CCV2	CCV	10/23/25 12:26		rubina	OK
24	CCB2	CCB2	CCB	10/23/25 12:26		rubina	OK
25	Q3395-02MSPre	PR132-S07-000102-2	MS	10/23/25 12:27		rubina	OK
26	Q3395-02MS2Ins	PR132-S07-000102-2	MS	10/23/25 12:27		rubina	OK
27	Q3395-02MS3Post	PR132-S07-000102-2	MS	10/23/25 12:28		rubina	OK
28	Q3395-05	PR132-S07-102116-2	SAM	10/23/25 12:28		rubina	OK
29	Q3395-06	PR132-COMP03-2024	SAM	10/23/25 12:29		rubina	OK
30	Q3395-07	PR132-S08-038048-2	SAM	10/23/25 12:29		rubina	OK
31	Q3416-01	NB-08-10212025	SAM	10/23/25 12:30		rubina	OK
32	Q3422-01	PR132-S15-000008-2	SAM	10/23/25 12:30		rubina	OK
33	Q3424-01	PR132-DP3-2025102	SAM	10/23/25 12:31		rubina	OK
34	Q3424-02	PR132-S11-010080-2	SAM	10/23/25 12:31		rubina	OK
35	CCV3	CCV3	CCV	10/23/25 12:32		rubina	OK
36	CCB3	CCB3	CCB	10/23/25 12:32		rubina	OK
37	Q3424-03	PR132-S14-00094-20	SAM	10/23/25 12:33		rubina	OK
38	Q3427-01	TP-8	SAM	10/23/25 12:33		rubina	OK

Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB137625

Review By	rubina	Review On	10/23/2025 1:38:14 PM
Supervise By	Iwona	Supervise On	10/23/2025 1:38:27 PM
SubDirectory	LB137625	Test	Hexavalent Chromium

STD. NAME	STD REF.#
ICAL Standard	N/A
ICV Standard	N/A
CCV Standard	N/A
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	WP115295,WP112831,WP112830,WP114310

39	Q3431-01	EO-02-10222025	SAM	10/23/25 12:34		rubina	OK
40	CCV4	CCV4	CCV	10/23/25 12:34		rubina	OK
41	CCB4	CCB4	CCB	10/23/25 12:35		rubina	OK

Prep Standard - Chemical Standard Summary

Order ID : Q3393
Test : Hexavalent Chromium,Percent Solids,TOC

Prepbatch ID : PB170212,
Sequence ID/Qc Batch ID: LB137593,LB137625,

Standard ID :
WP112830,WP112831,WP112903,WP113780,WP113880,WP113881,WP114035,WP114036,WP114037,WP114038,WP114039,WP114040,WP114041,WP114310,WP114900,WP115035,WP115168,WP115276,WP115277,WP115295,

Chemical ID :
E3979,M6041,M6151,M6158,M6162,W2202,W2651,W2652,W2860,W2979,W3112,W3113,W3152,W3163,W3168,W3169,W3206,W3219,

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Wet Chemistry STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1836	HNO3 Hex-Chrome, 5M	WP112830	04/25/2025	10/25/2025	Rubina Mughal	None	None	Iwona Zarych 04/25/2025

FROM 320.00000ml of M6158 + 680.00000ml of W3112 = Final Quantity: 1000.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
126	5N sulfuric acid	WP112831	04/25/2025	10/25/2025	Rubina Mughal	None	None	Iwona Zarych 04/25/2025

FROM 140.00000ml of M6041 + 860.00000ml of W3112 = Final Quantity: 1.000 L

Wet Chemistry STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
190	HEX CHROME PHOSPHATE BUFFER	WP112903	05/01/2025	11/01/2025	Rubina Mughal	WETCHEM_SCALE_8 (WC SC-7)	None	Iwona Zarych 05/01/2025
FROM 0.84500L of W3112 + 68.04000gram of W3206 + 87.09000gram of W3168 = Final Quantity: 1.000 L								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
2051	TOC STOCK STD-SS, 4000PPM	WP113780	07/01/2025	01/01/2026	Iwona Zarych	WETCHEM_SCALE_5 (WC SC-5)	WETCHEM_FIPETTE_3 (WC)	Jignesh Parikh 07/02/2025
FROM 2.50000ml of W2860 + 4.25600gram of W3219 + 495.00000ml of W3112 = Final Quantity: 500.000 ml								

Wet Chemistry STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1993	HEXAVALENTCHROMIUM STOCK STD 1, 50PPM	WP113880	07/10/2025	01/10/2026	Rubina Mughal	WETCHEM_SCALE_5 (WC SC-5)	None	Iwona Zarych 07/10/2025
FROM 0.14140gram of W2651 + 1000.00000ml of W3112 = Final Quantity: 1000.000 ml								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1994	HEXAVALENTCHROMIUM STOCK STD 2, 50PPM	WP113881	07/10/2025	01/10/2026	Rubina Mughal	WETCHEM_SCALE_5 (WC SC-5)	None	Iwona Zarych 07/10/2025
FROM 0.14140gram of W2652 + 1000.00000ml of W3112 = Final Quantity: 1000.000 ml								

Wet Chemistry STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
2050	TOC STOCK STD, 4000PPM	WP114035	07/22/2025	01/22/2026	Iwona Zarych	WETCHEM_S CALE_5 (WC SC-5)	Glass Pipette-A	Jignesh Parikh 07/22/2025
FROM 5.00000ml of W2860 + 8.51200gram of W3169 + 990.00000ml of W3112 = Final Quantity: 1000.000 ml								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
304	TOC CAL 0.00ppm	WP114036	07/22/2025	07/29/2025	Iwona Zarych	None	None	Jignesh Parikh 07/22/2025
FROM 100.00000ml of W3112 = Final Quantity: 100.000 ml								

Wet Chemistry STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
712	TOC SOIL cal 250ppm	WP114037	07/22/2025	07/29/2025	Iwona Zarych	None	WETCHEM_F IPETTE_3 (WC)	Jignesh Parikh 07/22/2025
FROM 15.00000ml of W3112 + 1.00000ml of WP114035 = Final Quantity: 16.000 ml								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
710	TOC SOIL cal 500ppm	WP114038	07/22/2025	07/29/2025	Iwona Zarych	None	WETCHEM_F IPETTE_3 (WC)	Jignesh Parikh 07/22/2025
FROM 14.00000ml of W3112 + 2.00000ml of WP114035 = Final Quantity: 16.000 ml								

Wet Chemistry STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3544	TOC SOIL Cal- CCV 1000PPM	WP114039	07/22/2025	07/29/2025	Iwona Zarych	None	Glass Pipette-A	Jignesh Parikh 07/22/2025

FROM 15.00000ml of W3112 + 5.00000ml of WP114035 = Final Quantity: 20.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
713	TOC SOIL cal 2000ppm	WP114040	07/22/2025	07/29/2025	Iwona Zarych	None	Glass Pipette-A	Jignesh Parikh 07/22/2025

FROM 5.00000ml of W3112 + 5.00000ml of WP114035 = Final Quantity: 10.000 ml

Wet Chemistry STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
2819	TOC ICV-LCSS, 1000PPM	WP114041	07/22/2025	07/29/2025	Iwona Zarych	None	Glass Pipette-A	Jignesh Parikh 07/22/2025

FROM 15.00000ml of W3112 + 5.00000ml of WP113780 = Final Quantity: 20.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3354	Hexchrome Cleaning Solution	WP114310	08/19/2025	11/27/2025	Rubina Mughal	None	None	Jignesh Parikh 08/19/2025

FROM 182.00000ml of M6151 + 727.00000ml of W3112 + 91.00000ml of M6162 = Final Quantity: 1000.000 ml

Wet Chemistry STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
148	hexchrome digestion fluid	WP114900	09/25/2025	10/25/2025	Rubina Mughal	WETCHEM_SCALE_8 (WC SC-7)	None	Iwona Zarych 09/26/2025
FROM 120.00000gram of W3163 + 4.00000L of W3112 + 80.00000gram of W3113 = Final Quantity: 4000.000 ml								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
613	Phosphoric acid reagent	WP115035	10/02/2025	01/31/2026	Iwona Zarych	None	None	Jignesh Parikh 10/03/2025
FROM 150.00000ml of W3112 + 50.00000ml of W2860 = Final Quantity: 200.000 ml								

Wet Chemistry STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
2435	1:1 PHOSPHORIC ACID FOR TOC SOILS	WP115168	10/10/2025	01/31/2026	Iwona Zarych	None	None	Sarabjit Jaswal
10/25/2025								

FROM 50.00000ml of W2860 + 50.00000ml of W3112 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3544	TOC SOIL Cal- CCV 1000PPM	WP115276	10/20/2025	10/27/2025	Iwona Zarych	None	Glass Pipette-A	Sarabjit Jaswal
10/25/2025								

FROM 15.00000ml of W3112 + 5.00000ml of WP114035 = Final Quantity: 20.000 ml

Wet Chemistry STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
2819	TOC ICV-LCSS, 1000PPM	WP115277	10/20/2025	10/27/2025	Iwona Zarych	None	Glass Pipette-A	Sarabjit Jaswal 10/25/2025

FROM 15.00000ml of W3112 + 5.00000ml of WP113780 = Final Quantity: 20.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
114	hexavalent chromium color reagent	WP115295	10/23/2025	10/30/2025	Rubina Mughal	WETCHEM_SCALE_5 (WC SC-5)	None	Iwona Zarych 10/24/2025

FROM 0.25000gram of W2979 + 50.00000ml of E3979 = Final Quantity: 50.000 ml

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24L1062001	10/04/2027	10/15/2025 / RITESHKUMAR	09/29/2025 / Riteshkumar	E3979

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L)	23D2462010	03/20/2028	08/16/2024 / mohan	08/16/2024 / mohan	M6041

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9530-33 / Hydrochloric Acid, Instra-Analyzed (cs/6x2.5L)	22G2862015	02/17/2026	02/18/2025 / Sagar	01/15/2025 / Sagar	M6151

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9598-34 / Nitric Acid, Instra-Analyzed (cs/4x2.5L)	24D1062002	10/30/2025	03/10/2025 / Eman	02/02/2025 / Sagar	M6158

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9598-34 / Nitric Acid, Instra-Analyzed (cs/4x2.5L)	24H0162012	11/27/2025	05/27/2025 / Sagar	04/27/2025 / Sagar	M6162

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	AA14125-36 / LEAD (II) CHROMATE, ACS, 500G	U19B018	01/23/2027	01/23/2017 / apatel	01/23/2017 / apatel	W2202

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	AA13450-36 / Potassium Dichromate, 500g(NEW)	T15F019	01/24/2030	01/24/2020 / apatel	01/24/2020 / apatel	W2651

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	P188-500 / Potassium Dichromate, 500g(new-2nd lot)	194664	01/24/2030	01/24/2020 / apatel	01/24/2020 / apatel	W2652

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	J0260-3 / Phosphoric Acid, 2.5 L	0000278313	01/31/2026	07/12/2021 / apatel	07/12/2021 / apatel	W2860

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	31390 / 1,5-Diphenylcarbazine	MKCR6636	12/09/2027	12/09/2022 / lwona	12/09/2022 / lwona	W2979

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / lwona	07/03/2024 / lwona	W3112

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19510-7 / Sodium Hydroxide Pellets 12 Kg	23B1556310	12/31/2025	07/08/2024 / lwona	07/08/2024 / lwona	W3113

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	01237-10KG / Magnesium Chloride Hexahydrate ACS 10KG	002126-2019-201	11/25/2029	11/25/2024 / lwona	11/25/2024 / lwona	W3152

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	EM-SX0395-3 / SODIUM CARBONATE ANHYDR 2.5KG	24E3156178	09/30/2027	12/10/2024 / lwona	12/10/2024 / lwona	W3163

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	J3252-1 / POTAS PHOSPHATE, DIBASIC PWD, ACS, 500G	24H0856239	04/19/2028	01/03/2025 / lwona	01/03/2025 / lwona	W3168

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	P243-500 / Potassium Hydrogen Phthalate, 500 gms	24H0956262	04/28/2026	01/03/2025 / lwona	01/03/2025 / lwona	W3169

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	J3246-1 / POTAS PHOSPHATE, MONO, CRYST, ACS, 500G	MKCX1379	01/31/2029	04/29/2025 / lwona	04/29/2025 / lwona	W3206

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	P243-500 / Potassium Hydrogen Phthalate, 500 gms	2025040493	06/30/2030	06/26/2025 / lwona	06/26/2025 / lwona	W3219

Certificate of analysis

Product No. 14125
Product: Lead(II) chromate, ACS, 98%
Lot No.: U19B018

Test	Limits	Results
Assay	98.0 % min	99.3 %
Soluble matter	0.15 % max	< 0.02 %
Carbon compounds	0.01 % max	< 0.01 %

Traceable to NIST? Yes

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SCIENTIFIC

Product No.: 13450
Product: Potassium dichromate, ACS, 99.0% min
Lot No.: T15F019

Test	Limits	Results
Appearance	Orange-red crystals	Orange-red crystals
Identification	To Pass	Passes
Purity	99.0 % min	99.67 %
Insoluble matter	0.005 % max	0.004 %
Loss on drying	0.05 % max	0.03 %
Chloride	0.001 % max	< 0.001 %
Sulfate	0.005 % max	< 0.005 %
Iron	0.001 % max	< 0.001 %
Calcium	0.003 % max	0.0012 %
Sodium	0.02 % max	0.0047 %

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Phosphoric Acid
BAKER ANALYZED® A.C.S. Reagent

(orthophosphoric acid)



Material No.: 0260-03
Batch No.: 0000278313
Manufactured Date: 2021/02/01
Retest Date: 2026/01/31
Revision No: 2

Certificate of Analysis

Meets ACS Reagent Chemical Requirements,

Test	Specification	Result
Assay (H ₃ PO ₄) (by acidimetry)	85.0 – 87.0 %	85.8
Calcium (Ca)	<= 0.002 %	< 0.001
Color (APHA)	<= 10	5
Insoluble Matter	<= 0.001 %	< 0.001
ACS – Magnesium (Mg)	<= 0.002 %	<0.002
Sulfate (SO ₄)	<= 12 ppm	< 4
Volatile Acids (as CH ₃ COOH)	<= 0.001 %	0.001
Reducing Substances	Passes Test	PT
Chloride (Cl)	<= 3 ppm	< 1
Nitrate (NO ₃)	<= 5 ppm	< 2
Trace Impurities – Antimony (Sb)	<= 20.000 ppm	0.007
Trace Impurities – Arsenic (As)	<= 0.500 ppm	< 0.001
Trace Impurities – Iron (Fe)	<= 10.000 ppm	< 1.000
Heavy Metals (as Pb)	<= 8 ppm	< 3
Trace Impurities – Manganese (Mn)	<= 0.500 ppm	0.005
Trace Impurities – Potassium (K)	<= 40.000 ppm	< 0.001
Trace Impurities – Sodium (Na)	<= 200.000 ppm	0.082

For Laboratory, Research or Manufacturing Use

Exceeds A.C.S. Specifications

Meets Reagent Specifications for testing USP/NF monographs

Country of Origin: US

Packaging Site: Phillipsburg Mfg Ctr & DC


Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700



Certificate of Analysis

1 Reagent Lane
Fair Lawn, NJ 07410
201.796.7100 tel
201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System
Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120632

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Catalog Number	P188	Quality Test / Release Date	08/12/2019
Lot Number	194664		
Description	POTASSIUM DICHROMATE, A.C.S.		
Country of Origin	United States	Suggested Retest Date	Aug/2024
Chemical Origin	Inorganic-non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		
Chemical Comment			

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Fine, orange-red crystals
ASSAY	%	>= 99	99.2
CALCIUM	%	<= 0.003	<0.003
CHLORIDE	%	<= 0.001	<0.001
LOSS ON DRYING @ 105 C	%	<= 0.05	<0.05
SULFATE (SO4)	%	<= 0.005	<0.005
INSOLUBLE MATTER	%	<= 0.005	0.003
IRON (Fe)	%	<= 0.001	<0.001
SODIUM (Na)	%	<= 0.02	<0.02
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST

Jerusa Bailey-Wyche

Quality Assurance Specialist - Certificate of Analysis Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
If there are any questions with this certificate, please call at (800) 227-6701.

*Based on suggested storage condition.

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis



Material No.: 9254-03
Batch No.: 24L1062001
Manufactured Date: 2024-10-04
Expiration Date: 2027-10-04
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	99.7 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.3 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (µeq/g)	<= 0.3	0.1
Titration Base (µeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	0.3 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3979

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

avantor™



M 6041-4b
MS

Material No.: 9673-33
Batch No.: 23D2462010
Manufactured Date: 2023-03-22
Retest Date: 2028-03-20
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS – Assay (H ₂ SO ₄)	95.0 – 98.0 %	96.1 %
Appearance	Passes Test	Passes Test
ACS – Color (APHA)	≤ 10	5
ACS – Residue after Ignition	≤ 3 ppm	< 1 ppm
ACS – Substances Reducing Permanganate (as SO ₂)	≤ 2 ppm	< 2 ppm
Ammonium (NH ₄)	≤ 1 ppm	1 ppm
Chloride (Cl)	≤ 0.1 ppm	< 0.1 ppm
Nitrate (NO ₃)	≤ 0.2 ppm	< 0.1 ppm
Phosphate (PO ₄)	≤ 0.5 ppm	< 0.1 ppm
Trace Impurities – Aluminum (Al)	≤ 30.0 ppb	< 5.0 ppb
Arsenic and Antimony (as As)	≤ 4.0 ppb	< 2.0 ppb
Trace Impurities – Boron (B)	≤ 10.0 ppb	8.5 ppb
Trace Impurities – Cadmium (Cd)	≤ 2.0 ppb	< 0.3 ppb
Trace Impurities – Chromium (Cr)	≤ 6.0 ppb	< 0.4 ppb
Trace Impurities – Cobalt (Co)	≤ 0.5 ppb	< 0.3 ppb
Trace Impurities – Copper (Cu)	≤ 1.0 ppb	< 0.1 ppb
Trace Impurities – Gold (Au)	≤ 10.0 ppb	0.5 ppb
Heavy Metals (as Pb)	≤ 500.0 ppb	< 100.0 ppb
Trace Impurities – Iron (Fe)	≤ 50.0 ppb	1.3 ppb
Trace Impurities – Lead (Pb)	≤ 0.5 ppb	< 0.5 ppb
Trace Impurities – Magnesium (Mg)	≤ 7.0 ppb	0.8 ppb
Trace Impurities – Manganese (Mn)	≤ 1.0 ppb	< 0.4 ppb
Trace Impurities – Mercury (Hg)	≤ 0.5 ppb	< 0.1 ppb
Trace Impurities – Nickel (Ni)	≤ 2.0 ppb	0.3 ppb
Trace Impurities – Potassium (K)	≤ 500.0 ppb	< 2.0 ppb
Trace Impurities – Selenium (Se)	≤ 50.0 ppb	< 0.1 ppb
Trace Impurities – Silicon (Si)	≤ 100.0 ppb	31.5 ppb
Trace Impurities – Silver (Ag)	≤ 1.0 ppb	< 0.3 ppb

>>> Continued on page 2 >>>

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

 **avantor™**

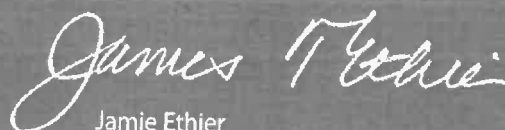


Material No.: 9673-33
Batch No.: 23D2462010

Test	Specification	Result
Trace Impurities – Sodium (Na)	≤ 500.0 ppb	5.4 ppb
Trace Impurities – Strontium (Sr)	≤ 5.0 ppb	< 0.2 ppb
Trace Impurities – Tin (Sn)	≤ 5.0 ppb	< 0.8 ppb
Trace Impurities – Zinc (Zn)	≤ 5.0 ppb	0.4 ppb

For Laboratory, Research, or Manufacturing Use

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC



Jamie Ethier
Vice President Global Quality

Hydrochloric Acid, 36.5–38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

avantor™



M6151

R → 11/15/25

Material No.: 9530-33
Batch No.: 22G2862015
Manufactured Date: 2022-06-15
Retest Date: 2027-06-14
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS – Assay (as HCl) (by acid–base titrn)	36.5 – 38.0 %	37.9 %
ACS – Color (APHA)	≤ 10	5
ACS – Residue after Ignition	≤ 3 ppm	< 1 ppm
ACS – Specific Gravity at 60°/60°F	1.185 – 1.192	1.191
ACS – Bromide (Br)	≤ 0.005 %	< 0.005 %
ACS – Extractable Organic Substances	≤ 5 ppm	< 1 ppm
ACS – Free Chlorine (as Cl ₂)	≤ 0.5 ppm	< 0.5 ppm
Phosphate (PO ₄)	≤ 0.05 ppm	< 0.03 ppm
Sulfate (SO ₄)	≤ 0.5 ppm	< 0.3 ppm
Sulfite (SO ₃)	≤ 0.8 ppm	0.3 ppm
Ammonium (NH ₄)	≤ 3 ppm	< 1 ppm
Trace Impurities – Arsenic (As)	≤ 0.010 ppm	< 0.003 ppm
Trace Impurities – Aluminum (Al)	≤ 10.0 ppb	1.3 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 3.0 ppb
Trace Impurities – Barium (Ba)	≤ 1.0 ppb	0.2 ppb
Trace Impurities – Beryllium (Be)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Bismuth (Bi)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Boron (B)	≤ 20.0 ppb	< 5.0 ppb
Trace Impurities – Cadmium (Cd)	≤ 1.0 ppb	< 0.3 ppb
Trace Impurities – Calcium (Ca)	≤ 50.0 ppb	163.0 ppb
Trace Impurities – Chromium (Cr)	≤ 1.0 ppb	0.7 ppb
Trace Impurities – Cobalt (Co)	≤ 1.0 ppb	< 0.3 ppb
Trace Impurities – Copper (Cu)	≤ 1.0 ppb	< 0.1 ppb
Trace Impurities – Gallium (Ga)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Germanium (Ge)	≤ 3.0 ppb	< 2.0 ppb
Trace Impurities – Gold (Au)	≤ 4.0 ppb	0.6 ppb
Heavy Metals (as Pb)	≤ 100 ppb	< 50 ppb
Trace Impurities – Iron (Fe)	≤ 15 ppb	6 ppb

>>> Continued on page 2 >>>

Hydrochloric Acid, 36.5–38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

 **avantorsm**



Material No.: 9530-33
Batch No.: 22G2862015

Test	Specification	Result
Trace Impurities – Lead (Pb)	≤ 1.0 ppb	< 0.5 ppb
Trace Impurities – Lithium (Li)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Magnesium (Mg)	≤ 10.0 ppb	2.9 ppb
Trace Impurities – Manganese (Mn)	≤ 1.0 ppb	< 0.4 ppb
Trace Impurities – Mercury (Hg)	≤ 0.5 ppb	0.1 ppb
Trace Impurities – Molybdenum (Mo)	≤ 10.0 ppb	< 3.0 ppb
Trace Impurities – Nickel (Ni)	≤ 4.0 ppb	< 0.3 ppb
Trace Impurities – Niobium (Nb)	≤ 1.0 ppb	0.8 ppb
Trace Impurities – Potassium (K)	≤ 9.0 ppb	< 2.0 ppb
Trace Impurities – Selenium (Se), For Information Only		< 1.0 ppb
Trace Impurities – Silicon (Si)	≤ 100.0 ppb	< 10.0 ppb
Trace Impurities – Silver (Ag)	≤ 1.0 ppb	0.5 ppb
Trace Impurities – Sodium (Na)	≤ 100.0 ppb	2.3 ppb
Trace Impurities – Strontium (Sr)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Tantalum (Ta)	≤ 1.0 ppb	1.6 ppb
Trace Impurities – Thallium (Tl)	≤ 5.0 ppb	< 2.0 ppb
Trace Impurities – Tin (Sn)	≤ 5.0 ppb	4.0 ppb
Trace Impurities – Titanium (Ti)	≤ 1.0 ppb	1.5 ppb
Trace Impurities – Vanadium (V)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Zinc (Zn)	≤ 5.0 ppb	0.8 ppb
Trace Impurities – Zirconium (Zr)	≤ 1.0 ppb	0.3 ppb

>>> Continued on page 3 >>>

Hydrochloric Acid, 36.5–38.0%
BAKER INSTRA–ANALYZED® Reagent
For Trace Metal Analysis

 **avantor**™

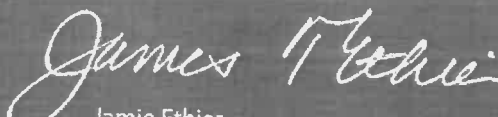


Material No.: 9530-33
Batch No.: 22G2862015

Test	Specification	Result
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For Laboratory, Research, or Manufacturing Use
Product Information (not specifications):
Appearance (clear, fuming liquid)
Meets ACS Specifications
Storage Condition: Store below 25 °C.

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC


Jamie Ethier
Vice President Global Quality

Nitric Acid 69%
CMOS



R- 0210212025

m - 6158

Material No.: 9606-03
Batch No.: 24D1062002
Manufactured Date: 2024-03-26
Retest Date: 2029-03-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (HNO ₃)	69.0 - 70.0 %	69.7 %
Appearance	Passes Test	Passes Test
Color (APHA)	≤ 10	5
Residue after Ignition	≤ 2 ppm	1 ppm
Chloride (Cl)	≤ 0.08 ppm	< 0.03 ppm
Phosphate (PO ₄)	≤ 0.10 ppm	< 0.03 ppm
Sulfate (SO ₄)	≤ 0.2 ppm	< 0.2 ppm
Trace Impurities - Aluminum (Al)	≤ 40.0 ppb	< 1.0 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 2.0 ppb
Trace Impurities - Barium (Ba)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Beryllium (Be)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Bismuth (Bi)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities - Boron (B)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities - Cadmium (Cd)	≤ 50 ppb	< 1 ppb
Trace Impurities - Calcium (Ca)	≤ 50.0 ppb	2.3 ppb
Trace Impurities - Chromium (Cr)	≤ 30.0 ppb	< 1.0 ppb
Trace Impurities - Cobalt (Co)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Copper (Cu)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Gallium (Ga)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Germanium (Ge)	≤ 20 ppb	< 10 ppb
Trace Impurities - Gold (Au)	≤ 20 ppb	< 5 ppb
Heavy Metals (as Pb)	≤ 100 ppb	100 ppb
Trace Impurities - Iron (Fe)	≤ 40.0 ppb	< 1.0 ppb
Trace Impurities - Lead (Pb)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities - Lithium (Li)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Magnesium (Mg)	≤ 20 ppb	< 1 ppb
Trace Impurities - Manganese (Mn)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Nickel (Ni)	≤ 20.0 ppb	< 5.0 ppb

>>> Continued on page 2 >>>

Nitric Acid 69%
CMOS

avantor™



Material No.: 9606-03
Batch No.: 24D1062002

Test	Specification	Result
Trace Impurities – Niobium (Nb)	≤ 50.0 ppb	< 1.0 ppb
Trace Impurities – Potassium (K)	≤ 50 ppb	16 ppb
Trace Impurities – Silicon (Si)	≤ 50 ppb	< 10 ppb
Trace Impurities – Silver (Ag)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Sodium (Na)	≤ 150.0 ppb	< 5.0 ppb
Trace Impurities – Strontium (Sr)	≤ 30.0 ppb	< 1.0 ppb
Trace Impurities – Tantalum (Ta)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Thallium (Tl)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Tin (Sn)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities – Titanium (Ti)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Vanadium (V)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Zinc (Zn)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Zirconium (Zr)	≤ 10.0 ppb	< 1.0 ppb
Particle Count – 0.5 µm and greater	≤ 60 par/ml	10 par/ml
Particle Count – 1.0 µm and greater	≤ 10 par/ml	3 par/ml

>>> Continued on page 3 >>>

Nitric Acid 69%
CMOS

 **avantor™**



Material No.: 9606-03
Batch No.: 24D1062002

Test	Specification	Result
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For Microelectronic Use

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC



Jamie Croak
Director Quality Operations, Bioscience Division

Nitric Acid 69%
CMOS



m-6162

Material No.: 9606-03
Batch No.: 24H0162012
Manufactured Date: 2024-06-28
Retest Date: 2029-06-27
Revision No.: 0

R. Date :- 04/27/2025

Certificate of Analysis

Test	Specification	Result
Assay (HNO ₃)	69.0 – 70.0 %	69.7 %
Appearance	Passes Test	Passes Test
Color (APHA)	≤ 10	5
Residue after Ignition	≤ 2 ppm	< 1 ppm
Chloride (Cl)	≤ 0.08 ppm	0.03 ppm
Phosphate (PO ₄)	≤ 0.10 ppm	< 0.03 ppm
Sulfate (SO ₄)	≤ 0.2 ppm	< 0.2 ppm
Trace Impurities – Aluminum (Al)	≤ 40.0 ppb	< 1.0 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 2.0 ppb
Trace Impurities – Barium (Ba)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Beryllium (Be)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Bismuth (Bi)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Boron (B)	≤ 10.0 ppb	0.1 ppb
Trace Impurities – Cadmium (Cd)	≤ 50 ppb	< 1 ppb
Trace Impurities – Calcium (Ca)	≤ 50.0 ppb	0.3 ppb
Trace Impurities – Chromium (Cr)	≤ 30.0 ppb	0.1 ppb
Trace Impurities – Cobalt (Co)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Copper (Cu)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Gallium (Ga)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Germanium (Ge)	≤ 20 ppb	< 1 ppb
Trace Impurities – Gold (Au)	≤ 20 ppb	< 1 ppb
Heavy Metals (as Pb)	≤ 100 ppb	< 50 ppb
Trace Impurities – Iron (Fe)	≤ 40.0 ppb	< 1.0 ppb
Trace Impurities – Lead (Pb)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Lithium (Li)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Magnesium (Mg)	≤ 20 ppb	< 1 ppb
Trace Impurities – Manganese (Mn)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Nickel (Ni)	≤ 20.0 ppb	< 1.0 ppb

>>> Continued on page 2 >>>

Nitric Acid 69%
CMOS

avantor™



Material No.: 9606-03
Batch No.: 24H0162012

Test	Specification	Result
Trace Impurities – Niobium (Nb)	≤ 50.0 ppb	< 1.0 ppb
Trace Impurities – Potassium (K)	≤ 50 ppb	< 1 ppb
Trace Impurities – Silicon (Si)	≤ 50 ppb	1 ppb
Trace Impurities – Silver (Ag)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Sodium (Na)	≤ 150.0 ppb	< 1.0 ppb
Trace Impurities – Strontium (Sr)	≤ 30.0 ppb	< 1.0 ppb
Trace Impurities – Tantalum (Ta)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Thallium (Tl)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Tin (Sn)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Titanium (Ti)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Vanadium (V)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Zinc (Zn)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Zirconium (Zr)	≤ 10.0 ppb	< 1.0 ppb
Particle Count – 0.5 µm and greater	≤ 60 par/ml	13 par/ml
Particle Count – 1.0 µm and greater	≤ 10 par/ml	5 par/ml

>>> Continued on page 3 >>>



Test	Specification	Result

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Joak

Jamie Croak
Director Quality Operations, Bioscience Production

W 2979

Rec: 12/09/22

exp. 12/09/27

Product Name:

1,5-Diphenylcarbazide - ACS reagent

Product Number:

259225

Batch Number:

MKCR6636

Brand:

SIAL

CAS Number:

140-22-7

MDL Number:

MFCD00003013

Formula:

C₁₃H₁₄N₄O

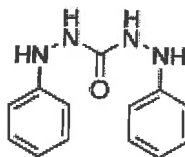
Formula Weight:

242.28 g/mol

Quality Release Date:

02 JUN 2022

Certificate of Analysis



Test	Specification	Result
Appearance (Color)	Conforms to Requirements	Pink
Off-White to Pink, Light Purple or Tan		
Appearance (Form)	Powder or Chunks	Powder
Melting Point	173.0 - 176.0 °C	173.0 °C
Infrared Spectrum	Conforms to Structure	Conforms
Residue on ignition (Ash)	≤ 0.05 %	0.01 %
15 minutes, 800 Degrees Celsius		
Solubility	Pass	Pass
Sensitivity Test	Pass	Pass
Meets ACS Requirements	Current ACS Specification	Conforms



Larry Coers, Director
Quality Control
Milwaukee, WI US

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.



Sodium Hydroxide (Pellets)

Material: 0583
Grade: ACS GRADE
Batch Number: 23B1556310

Chemical Formula: NaOH
Molecular Weight: 40
CAS #: 1310-73-2
Appearance:

Manufacture Date: 12/14/2022
Expiration Date: 12/31/2025

Storage: Room Temperature

Pellets

TEST	SPECIFICATION	ANALYSIS	DISPOSITION
Calcium	<= 0.005 %	<0.005 %	PASS
Chloride	<= 0.005 %	0.002 %	PASS
Heavy Metals	<= 0.002 %	<0.002 %	PASS
Iron	<= 0.001 %	<0.001 %	PASS
Magnesium	<= 0.002 %	<0.002 %	PASS
Mercury	<= 0.1 ppm	<0.1 ppm	PASS
Nickel	<= 0.001 %	<0.001 %	PASS
Nitrogen Compounds	<= 0.001 %	<0.001 %	PASS
Phosphate	<= 0.001 %	<0.001 %	PASS
Potassium	<= 0.02 %	<0.02 %	PASS
Purity	>= 97.0 %	99.2 %	PASS
Sodium Carbonate	<= 1.0 %	0.5 %	PASS
Sulfate	<= 0.003 %	<0.003 %	PASS

Internal ID #: 710

Signature

We certify that this batch conforms to the specifications listed.

This document has been electronically produced and is valid without a signature.

Leona Edwardson, Quality Control Sr. Manager - Solon
VWR Chemicals, LLC.
28600 Fountain Parkway, Solon OH 44139 USA

Additional Information

Analysis may have been rounded to significant digits in specification limits.

Product meets analytical specifications of the grades listed.



Sodium Hydroxide (Pellets)

Material: 0583
Grade: ACS GRADE
Batch Number: 23B1556310

Chemical Formula:	NaOH	Manufacture Date:	12/14/2022
Molecular Weight:	40	Expiration Date:	12/31/2025
CAS #:	1310-73-2		
Appearance:		Storage:	Room Temperature

Pellets

Spec Set: 0583ACS

Internal ID #: 710

Signature	Additional Information
We certify that this batch conforms to the specifications listed.	Analysis may have been rounded to significant digits in specification limits.
This document has been electronically produced and is valid without a signature.	Product meets analytical specifications of the grades listed.
Leona Edwardson, Quality Control Sr. Manager - Solon VWR Chemicals, LLC. 28600 Fountain Parkway, Solon OH 44139 USA	

Chem-Impex International, Inc.

Tel: (630) 766-2112

E-mail: sales@chemimpex.com

Shipping and Correspondence:

935 Dillon Drive

Wood Dale, IL 60191

Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

Certificate of Analysis

Catalogue Number	01237
Lot Number	002126-2019-201
Product	Magnesium chloride hexahydrate

Magnesium chloride•6H₂O

CAS Number	7791-18-6
Molecular Formula	MgCl ₂ •6H ₂ O

Molecular Weight	203.3
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Appearance	White crystals
Solubility	167 g in 100 mL water
Melting Point	~ 115 °C
Heavy Metals	4.393 ppm
Anion	Nitrate (NO ₃) : < 0.001% Phosphate (PO ₄) : < 5 ppm Sulfate (SO ₄) : < 0.002%
Cation	Ammonium (NH ₄) : < 0.002% Barium (Ba) : 0.005% Calcium (Ca) : 0.01% Iron (Fe) : 4.5 ppm Manganese (Mn) : 0.624 ppm Potassium (K) : 0.004% Sodium (Na) : 0.000003% Strontium (Sr) : 0.005%
Insoluble material	0.0021%
Assay by titration	100.83%
Grade	ACS reagent
Storage	Store at RT

Certificate of Analysis

Catalog Number: 01237

Lot Number: 002126-2019-201

Remarks

See material safety data sheet for additional information
For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager

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W3163 Rec. on 12/10/24 by IZ

Certificate of Analysis



Material: BDH9284-2.5KG
Material Description: BDH SODIUM CARB ANHYD ACS 2.5KG
Grade: U S P REAGENT (ACS GRADE)

Batch: 24E3156178
Reassay Date: 09/30/2027
CAS Number: 497-19-8
Molecular Formula: Na₂CO₃
Molecular Mass: 105.99

Date of Manufacture: 09/01/2023
Storage: Room Temperature
Material is hygroscopic. Protect from Moisture.
Additional Product Description:

Characteristics	Specifications	Measured Values
Appearance	Fine white granular powder	Fine white granular powder
Calcium	<= 0.03 %	0.003 %
Chloride	<= 0.001 %	0.0003 %
Heavy Metals (as Pb)	<= 0.0005 %	0.0001 %
Insolubles	<= 0.01 %	0.001 %
Iron	<= 0.0005 %	0.0001 %
Loss on Heating	<= 1.0 %	0.03 %
Magnesium	<= 0.005 %	0.001 %
Phosphate	<= 0.001 %	0.001 %
Potassium	<= 0.005 %	0.003 %
Purity	>= 99.5 %	100.0 %
Silica	<= 0.005 %	0.001 %
Sulfur Compounds	<= 0.003 %	0.002 %
Extra Description:	Meets Reagent Specifications for testing USP/NF monographs	

Internal ID #: 710

Signature	Additional Information
We certify that this batch conforms to the specifications listed above. This document has been electronically produced and is valid without a signature. Leona Edwardson, Quality Control Sr. Manager - Solon VWR Chemicals, LLC. 28600 Fountain Parkway, Solon OH 44139 USA	Analysis may have been rounded to significant digits in specification limits Product meets analytical specifications of the grades listed.

Material	BDH9266-500G
Material Description	BDH POTASS PHOSPHAT DBSC 500GM
Grade	ACS GRADE
Batch	24H0856239
Reassay Date	04/19/2028
CAS Number	7758-11-4
Molecular Formula	K ₂ HPO ₄
Molecular Mass	174.18
Date of Manufacture	04/19/2024
Storage	Room Temperature

Characteristics	Specifications	Measured Values
Appearance	Fine white crystalline powder	Fine white crystalline powder
Chloride	<= 0.003 %	0.002 %
Heavy Metals (as Pb)	<= 0.0005 %	<0.0005 %
Insolubles	<= 0.01 %	<0.01 %
Iron	<= 0.001 %	<0.001 %
Loss on Drying	<= 1.0 %	<0.5 %
Nitrogen Compounds	<= 0.001 %	<0.001 %
pH (5%, Water) @25C	8.5 - 9.6	8.8
Purity	>= 98.0 %	99.1 %
Sodium	<= 0.05 %	<0.05 %
Sulfate	<= 0.005 %	<0.002 %
CUSTOMER PART # BDH9266-500G		

Internal ID #: 793

Signature	Additional Information
We certify that this batch conforms to the specifications listed above. This document has been electronically produced and is valid without a signature. Leona Edwardson, Quality Control Sr. Manager - Solon VWR Chemicals, LLC. 28600 Fountain Parkway, Solon OH 44139 USA	Analysis may have been rounded to significant digits in specification limits Product meets analytical specifications of the grades listed.



Material	BDH9260-500G
Material Description	BDH POTASS HYDRGN PHTHLTE 500G
Grade	ACS GRADE
Batch	24H0956262
Reassay Date	04/28/2026
CAS Number	877-24-7
Molecular Formula	HOCC6H4COOK
Molecular Mass	204.22
Date of Manufacture	04/29/2023
Storage	Room Temperature

Characteristics	Specifications	Measured Values
Appearance	White crystals.	White crystals.
Assay (dried basis)	99.95 - 100.05 %	99.98 %
Chlorine Compounds	<= 0.003 %	<0.003 %
Heavy Metals (as Pb)	<= 5 ppm	<5 ppm
Insoluble Matter	<= 0.005 %	0.003 %
Iron	<= 5 ppm	<5 ppm
pH (0.05M, Water) @25C	4.00 - 4.02	4.00
Sodium	<= 0.005 %	<0.005 %
Sulfur Compounds	<= 0.002 %	<0.002 %

Internal ID #: 322

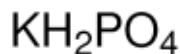
Signature	Additional Information
We certify that this batch conforms to the specifications listed above. This document has been electronically produced and is valid without a signature. Leona Edwardson, Quality Control Sr. Manager - Solon VWR Chemicals, LLC. 28600 Fountain Parkway, Solon OH 44139 USA	Analysis may have been rounded to significant digits in specification limits Product meets analytical specifications of the grades listed.

Certificate of Analysis

Product Name:

Potassium phosphate monobasic - ACS reagent, ≥99.0%

Product Number: P0662
Batch Number: MKCX1379
Brand: SIGALD
CAS Number: 7778-77-0
MDL Number: MFCD00011401
Formula: H₂KO₄P
Formula Weight: 136.09 g/mol
Quality Release Date: 27 JAN 2025
Recommended Retest Date: JAN 2029



Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Powder or Crystals	Crystals
Assay	≥ 99.0 %	99.9 %
Insoluble Matter	≤ 0.01 %	< 0.01 %
Loss on Drying	≤ 0.2 %	< 0.1 %
At 105°C		
pH	4.1 - 4.5	4.5
(c = 5%, 25 deg C)		
Chloride Content	≤ 0.001 %	< 0.001 %
Sulfate (SO ₄)	≤ 0.003 %	< 0.003 %
Heavy Metals	≤ 0.001 %	< 0.001 %
by ICP		
Iron (Fe)	≤ 0.002 %	< 0.001 %
Sodium (Na)	≤ 0.005 %	< 0.001 %
Recommended Retest Period	-----	-----
4 Years		



Larry Coers, Director
Quality Control
Milwaukee, WI US

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.



Certificate Of Analysis



Date of Release: 4/8/2025

Name: **Potassium Hydrogen Phthalate**

ACS

Item No: **PX1476 All Sizes**

Lot / Batch No: **2025040493**

Country of Origin: **USA**

Item	Specifications	Analysis
Assay (Dried Basis)	99.95-100.05%	99.98%
Chlorine compounds (as Cl)	0.003% max.	<0.003%
Color	White	Passes Test
Form	Crystals	Passes Test
Heavy metals (by ICP-OES)	5 ppm max.	<5 ppm
Insoluble Matter	0.005% max.	<0.005%
Iron (Fe)	5 ppm max.	<5 ppm
pH of a 0.05m solution @ 25.0C	4.00-4.02	4.00
Sodium (Na)	0.005% max.	<0.005%
Sulfur compounds (as S)	0.002% max.	<0.002%

Joe Schoellkopf

Quality Control Manager

This document has been produced electronically and is valid without a signature.

EMD Millipore is a division of Merck KGaA, Darmstadt, Germany

EMD Millipore Corporation

400 Summit Drive
Burlington, MA 01803
U.S.A.

Form number: 00005624CA, Rev. 2.0

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/21/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 10/20/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:15
Out Date: 10/21/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB137589

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q3368-06	OUTSIDE-DUMPSTER	1	1.12	10.63	11.75	8.28	67.4	
Q3368-07	PRESS-SLUDGE	2	1.18	10.30	11.48	7.89	65.1	
Q3393-01	PR132-S10-000022-20251017	3	1.17	10.44	11.61	7.02	56.0	
Q3393-02	PR132-S10-022047-20251017	4	1.14	10.48	11.62	6.8	54.0	
Q3393-03	PR132-S08-013038-20251017	5	1.11	10.85	11.96	6.84	52.8	
Q3393-04	PR132-S06-000021-20251017	6	1.13	10.50	11.63	7.03	56.2	
Q3393-05	PR132-S08-000013-20251017	7	1.12	10.53	11.65	6.6	52.0	
Q3395-01	PR132-S09-000051-20251017	8	1.15	10.48	11.63	6.69	52.9	
Q3395-02	PR132-S07-000102-20251017	9	1.14	10.21	11.35	6.03	47.9	
Q3395-03	Q3395-02MS	10	1.14	10.21	11.35	6.03	47.9	
Q3395-04	Q3395-02MSD	11	1.14	10.21	11.35	6.03	47.9	
Q3395-05	PR132-S07-102116-20251017	12	1.13	10.12	11.25	6.33	51.4	
Q3395-06	PR132-COMP03-20251017	13	1.15	10.74	11.89	8.65	69.8	
Q3395-07	PR132-S08-038048-20251017	14	1.15	10.68	11.83	7.41	58.6	
Q3396-01	A	15	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q3396-02	B	16	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q3396-03	C	17	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q3397-01	TP-7-WC	18	1.14	10.67	11.81	10.66	89.2	
Q3397-02	TP-7-EPH	19	1.18	10.18	11.36	9.81	84.8	
Q3397-03	TP-7-VOC	20	1.14	10.66	11.8	10.55	88.3	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

LB13758P

WorkList Name : % SOLID-102025

WorkList ID : 192564

Department : Wet-Chemistry

Date : 10-20-2025 15:56:43

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3368-06	OUTSIDE-DUMPSTER	Solid	Percent Solids	Cool 4 deg C	ARAM01	D41	10/16/2025	Chemtech -SO
Q3368-07	PRESS-SLUDGE	Solid	Percent Solids	Cool 4 deg C	ARAM01	D41	10/16/2025	Chemtech -SO
Q3393-01	PR132-S10-000022-20251017	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/17/2025	Chemtech -SO
Q3393-02	PR132-S10-022047-20251017	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/17/2025	Chemtech -SO
Q3393-03	PR132-S08-013038-20251017	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/17/2025	Chemtech -SO
Q3393-04	PR132-S06-000021-20251017	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/17/2025	Chemtech -SO
Q3393-05	PR132-S08-000013-20251017	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/17/2025	Chemtech -SO
Q3395-01	PR132-S09-000051-20251017	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/17/2025	Chemtech -SO
Q3395-02	PR132-S07-000102-20251017	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/17/2025	Chemtech -SO
Q3395-03	Q3395-02MS	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/17/2025	Chemtech -SO
Q3395-04	Q3395-02MSD	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/17/2025	Chemtech -SO
Q3395-05	PR132-S07-102116-20251017	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/17/2025	Chemtech -SO
Q3395-06	PR132-COMP03-20251017	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/17/2025	Chemtech -SO
Q3395-07	PR132-S08-038048-20251017	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/17/2025	Chemtech -SO
Q3396-01	A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3396-02	B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3396-03	C	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3397-01	TP-7-WC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/18/2025	Chemtech -SO
Q3397-02	TP-7-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/18/2025	Chemtech -SO
Q3397-03	TP-7-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/18/2025	Chemtech -SO

Date/Time

10/20/25 16:20

Raw Sample Received by:

JLW

Raw Sample Relinquished by:

JLW

Date/Time

10/20/25

Raw Sample Received by:

JLW

Raw Sample Relinquished by:

JLW



SHIPPING DOCUMENTS

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CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: AECOM
ADDRESS: 605 3rd Ave
CITY New York STATE: NY ZIP: 10158
ATTENTION: Rob Forstner
PHONE: 212-377-8721 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Port Richmond 132
PROJECT NO.: 60893795 LOCATION: Staten Island
PROJECT MANAGER: Rob Forstner
e-mail: Robert.Forstner@aecom.com
PHONE: 212-377-8721 FAX:

CLIENT BILLING INFORMATION

BILL TO: AECOM PO#:
ADDRESS: 605 3rd Ave
CITY New York STATE: NY ZIP: 10138
ATTENTION: Rob Forstner PHONE: 212-377-8721

ANALYSIS

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

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

1. SVOCs
2. Pesticides
3. Heavy Metals
4. PCBs Hexachloro
5. Dioxin
6. Grain Size
7. TOC
8. VOCs
9.

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									Method	Specify Preservatives	
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9		A-HCl B-HNO3 C-H2SO4	D-NaOH E-ICE F-OTHER
1.	PR132-S10-000022-20251017	S		X	10/17	0945	11	X	X	X	X	X	X	X	X				
2.	PR132-S10-022047-20251017	S		X	10/17	0955	11	X	X	X	X	X	X	X	X				
3.	PR132-S08-013038-20251017	S		X	10/17	0855	11	X	X	X	X	X	X	X	X				
4.	PR132-S06-000021-20251017	S		X	10/17	0800	11	X	X	X	X	X	X	X	X				
5.	Temp Blank	A			10/17		1	X	X	X	X	X			X				
6.	PR132-S08-000013-20251017	S		X	10/17	0845	11	X	X	X	X	X	X	X	X				
7.																			
8.																			
9.																			
10.																			

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

RELINQUISHED BY SAMPLER: 1. Jim Alderson	DATE/TIME: 10/17/25 4pm	RECEIVED BY: 1. [Signature] 1600	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.0 °C
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.	Comments:
RELINQUISHED BY SAMPLER: 3.	DATE/TIME: 1740	RECEIVED BY: 3.	

Page ____ of ____ CLIENT: ☐ Hand Delivered ☐ Other Shipment Complete ☐ YES ☐ NO

Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3393	AECO02	Order Date : 10/17/2025 4:23:00 PM	Project Mgr :
Client Name : AECOM		Project Name : AE1-CTY 3.2.Z-PR-DOCK	Report Type : NYS ASP A B
Client Contact : Rob Forstner		Receive DateTime : 10/17/2025 12:00:00 AM 17:40	EDD Type : EQUIS
Invoice Name : AECOM		Purchase Order :	Hard Copy Date :
Invoice Contact : Rob Forstner			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3393-01	PR132-S10-000022-20251017	Solid	10/17/2025	09:45	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q3393-02	PR132-S10-022047-20251017	Solid	10/17/2025	09:55	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q3393-03	PR132-S08-013038-20251017	Solid	10/17/2025	08:55	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q3393-04	PR132-S06-000021-20251017	Solid	10/17/2025	08:00	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q3393-05	PR132-S08-000013-20251017	Solid	10/17/2025	08:45	VOC-TCLVOA-10		8260D	10 Bus. Days	

Relinquished By :

Date / Time : 10/20/25 1200

Received By :

Date / Time : 10/20/25 1200

Storage Area : VOA Refridgerator Room