

DATA PACKAGE GENERAL CHEMISTRY

PROJECT NAME : FORMER SCHLUMBERGER SITE PRINCETON NJ

JACOBS ENGINEERING GROUP, INC.

412 Mt. Kemble Ave

Downtown Building

Morristown, NJ - 07960

Phone No: 9732670555

ORDER ID : P3429

ATTENTION : Mary I. Murphy



Laboratory Certification ID # 20012



1) GENERAL CHEMISTRY DATA	2
2) Signature Page	3
3) Case Narrative	4
4) Qualifier Page	5
5) Conformance/Non Conformance	6
6) QA Checklist	7
7) Chronicle	8
8) Sample Data	9
8.1) 926-K1-WS-073124	10
8.2) 931-K1-WS-073124	11
8.3) 925-K1-WS-073124	12
9) QC Data Summary For Genchem	13
9.1) Initial and Continuing Calibration Verification	14
9.2) Initial and Continuing Calibration Blank Summary	15
9.3) Preparation Blank Summary	16
9.4) Matrix Spike Summary	17
9.5) Duplicate Sample Summary	19
9.6) Laboratory Control Sample Summary	21
10) GENCHEM RAW DATA	22
10.1) GENCHEM RAW DATA - ANALYTICAL	23
10.1.1) LB131824	23
11) Analytical Runlogs	26
12) Standard Prep Logs	28
13) Shipping Document	44
13.1) Chain Of Custody	45
13.2) Lab Certificate	46
13.3) Internal COC	47

Cover Page

Order ID : P3429

Project ID : Former Schlumberger Site Princeton NJ

Client : JACOBS Engineering Group, Inc.

Lab Sample Number

P3429-01
P3429-02
P3429-03
P3429-04

Client Sample Number

926-K1-WS-073124
931-K1-WS-073124
925-K1-WS-073124
TB-01-073124

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: 8/2/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012



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

CASE NARRATIVE

JACOBS Engineering Group, Inc.

Project Name: Former Schlumberger Site Princeton NJ

Project # N/A

Chemtech Project # P3429

Test Name: Hexavalent Chromium

A. Number of Samples and Date of Receipt:

4 Water samples were received on 07/31/2024.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: Hexavalent Chromium, Metals Group4, SVOC-SIMGroup1, SVOCMS Group3, SVOCMS Group6 and VOCMS Group6. This data package contains results for Hexavalent Chromium.

C. Analytical Techniques:

The analysis of Hexavalent Chromium was based on method 7196A.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Blank Spike met requirements for all samples.

The Duplicate analysis met criteria for all samples.

The Matrix Spike analysis met criteria for all samples.

The Matrix Spike Duplicate analysis met criteria for all samples.

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

The Calibration met the requirements.

E. Additional Comments:

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

CHEMTECH PROJECT NUMBER: P3429

MATRIX: Water

METHOD: 7196A

	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 samples.			
3. Sample Duplicate Analysis Met QC Criteria			✓
If not met, list those compounds and their recoveries which fall outside the acceptable range.			
8. Digestion Holding Time Met			✓
If not met, list number of days exceeded for each sample:			

ADDITIONAL COMMENTS:

QA REVIEW

Date

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: P3429

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

✓

1st Level QA Review Signature: SOHIL JODHANI

Date: 08/02/2024

2nd Level QA Review Signature: _____

Date: _____

LAB CHRONICLE

OrderID:	P3429	OrderDate:	7/31/2024 4:38:00 PM
Client:	JACOBS Engineering Group, Inc.	Project:	Former Schlumberger Site Princeton NJ
Contact:	Mary I. Murphy	Location:	D31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P3429-01	926-K1-WS-073124	WATER			07/31/24 14:00			07/31/24
			Hexavalent Chromium	7196A			08/01/24 10:45	
P3429-02	931-K1-WS-073124	WATER			07/31/24 14:50			07/31/24
			Hexavalent Chromium	7196A			08/01/24 10:48	
P3429-03	925-K1-WS-073124	WATER			07/31/24 15:15			07/31/24
			Hexavalent Chromium	7196A			08/01/24 10:49	



SAMPLE DATA

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	07/31/24 14:00
Project:	Former Schlumberger Site Princeton NJ	Date Received:	07/31/24
Client Sample ID:	926-K1-WS-073124	SDG No.:	P3429
Lab Sample ID:	P3429-01	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Dissolved Hexavalent Chromium	0.0030	U	1	0.0030	0.010	mg/L		08/01/24 10:45	7196A

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:	JACOBS Engineering Group, Inc.	Date Collected:	07/31/24 14:50
Project:	Former Schlumberger Site Princeton NJ	Date Received:	07/31/24
Client Sample ID:	931-K1-WS-073124	SDG No.:	P3429
Lab Sample ID:	P3429-02	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Dissolved Hexavalent Chromium	0.0030	J	1	0.0030	0.010	mg/L		08/01/24 10:48	7196A

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:	JACOBS Engineering Group, Inc.	Date Collected:	07/31/24 15:15
Project:	Former Schlumberger Site Princeton NJ	Date Received:	07/31/24
Client Sample ID:	925-K1-WS-073124	SDG No.:	P3429
Lab Sample ID:	P3429-03	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Dissolved Hexavalent Chromium	0.0030	J	1	0.0030	0.010	mg/L		08/01/24 10:49	7196A

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

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

Initial and Continuing Calibration Verification

Client: JACOBS Engineering Group, Inc.
Project: Former Schlumberger Site Princeton NJ

SDG No.: P3429
RunNo.: LB131824

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV Hexavalent Chromium	mg/L	0.500	0.5	100	90-110	08/01/2024
Sample ID: CCV1 Hexavalent Chromium	mg/L	0.505	0.5	101	90-110	08/01/2024
Sample ID: CCV2 Hexavalent Chromium	mg/L	0.507	0.5	101	90-110	08/01/2024

Initial and Continuing Calibration Blank Summary

Client: JACOBS Engineering Group, Inc.
Project: Former Schlumberger Site Princeton NJ

SDG No.: P3429
RunNo.: LB131824

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0027	0.01	08/01/2024
Sample ID: CCB1 Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0027	0.01	08/01/2024
Sample ID: CCB2 Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0027	0.01	08/01/2024

Preparation Blank Summary

Client: JACOBS Engineering Group, Inc.

SDG No.: P3429

Project: Former Schlumberger Site Princeton NJ

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB131824BL							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.003	0.01	08/01/2024

Matrix Spike Summary

Client:	JACOBS Engineering Group, Inc.	SDG No.:	P3429
Project:	Former Schlumberger Site Princeton NJ	Sample ID:	P3429-01
Client ID:	926-K1-WS-073124MS	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Hexavalent Chromium	mg/L	90-111	1.05		0.0030	U	1.0	2	105		08/01/2024

Matrix Spike Summary

Client:	JACOBS Engineering Group, Inc.	SDG No.:	P3429
Project:	Former Schlumberger Site Princeton NJ	Sample ID:	P3429-01
Client ID:	926-K1-WS-073124MSD	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Hexavalent Chromium	mg/L	90-111	1.05		0.0030	U	1.0	2	105		08/01/2024

Duplicate Sample Summary

Client:	JACOBS Engineering Group, Inc.	SDG No.:	P3429
Project:	Former Schlumberger Site Princeton NJ	Sample ID:	P3429-01
Client ID:	926-K1-WS-073124DUP	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifie	Duplicate Result	Conc. Qualifie	Dilution Factor	RPD/ AD	Qual	Analysis Date
Hexavalent Chromium	mg/L	+/-20	0.0030	U	0.0030	U	1	0		08/01/2024

Duplicate Sample Summary

Client:	JACOBS Engineering Group, Inc.	SDG No.:	P3429
Project:	Former Schlumberger Site Princeton NJ	Sample ID:	P3429-01
Client ID:	926-K1-WS-073124MSD	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifie	Duplicate Result	Conc. Qualifie	Dilution Factor	RPD/ AD	Qual	Analysis Date
Hexavalent Chromium	mg/L	+/-20	1.05		1.05		2	0		08/01/2024

Laboratory Control Sample Summary

Client: JACOBS Engineering Group, Inc.

SDG No.: P3429

Project: Former Schlumberger Site Princeton NJ

Run No.: LB131824

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB131824BS							
Hexavalent Chromium	mg/L	0.5	0.50		101	1	90-111	08/01/2024



RAW DATA

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

Analysis Method: 7196A

ANALYST: Niha

Parameter: ~~Hexavalent Chromium~~

SUPERVISOR REVIEW BY: Iwona

Run Number: LB131824

pH Meter ID: ph Meter-1

Reagent/Standard	Lot/Log #
Calibration Std. hexchrome 0.1 ppm	WP108953
Calibration Std. hexchrome 0.05 ppm	WP108952
calibration std. hexchrome 0.01 ppm	WP108950
calibration std. hexchrome 0 ppm	WP108949
hexavalent chromium color reagent	WP108907
5N sulfuric acid	WP107791
Hex LOQ Std, 0.01PPM	WP108956
Calibration Std Hexachrome 0.025 ppm	WP108951
Hexavalent Chromium ICV-LCS Std	WP108957
Calibration and CCV std HexChrome 0.5PPM	WP108954
Calibration std HexChrome 1.0PPM	WP108955

Intercept: -0.0001

Slope: 0.7839

Regression: 0.99999

Seq	Lab ID	True Value (mg/l)	DF	Initial Vol (ml)	Final Vol (ml)	pH HN03	pH H2SO4	Absorb.at 540nm		Absorbance Difference	Result (mg/L)	%D	Anal Date	Anal Time
								Backgrnd	Color					
1	CAL1	0	1	100	100		2.29	0.000	0.000	0.000	0.000		08/01/2024	10:30
2	CAL2	0.01	1	100	100		2.05	0.000	0.007	0.007	0.009	-10	08/01/2024	10:31
3	CAL3	0.025	1	100	100		2.18	0.000	0.019	0.019	0.024	-4	08/01/2024	10:32
4	CAL4	0.05	1	100	100		1.86	0.000	0.038	0.038	0.048	-4	08/01/2024	10:33
5	CAL5	0.1	1	100	100		2.06	0.000	0.081	0.081	0.103	3	08/01/2024	10:34
6	CAL6	0.5	1	100	100		1.90	0.000	0.391	0.391	0.498	-0.4	08/01/2024	10:35
7	CAL7	1	1	100	100		1.76	0.000	0.784	0.784	1.000	0	08/01/2024	10:36

Analysis Method: 7196A

ANALYST:Niha

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY:Iwona

Run Number: LB131824

pH Meter ID: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		1.96	0.000	0.392	0.392	0.500	08/01/2024	10:37
2	ICB		1	100	100		2.02	0.000	0.000	0.000	0.000	08/01/2024	10:38
3	CCV1	0.5	1	100	100		2.47	0.000	0.396	0.396	0.505	08/01/2024	10:39
4	CCB1		1	100	100		2.35	0.000	0.000	0.000	0.000	08/01/2024	10:40
5	RL Check	0.01	1	100	100		1.79	0.000	0.007	0.007	0.009	08/01/2024	10:41
6	LB131824BL		1	100	100		1.84	0.000	0.001	0.001	0.001	08/01/2024	10:42
7	LB131824BS	0.5	1	100	100		2.11	0.000	0.394	0.394	0.503	08/01/2024	10:43
8	P3390-09		1	100	100		2.27	0.000	0.003	0.003	0.004	08/01/2024	10:44
9	P3429-01		1	100	100		1.85	0.005	0.005	0.000	0.000	08/01/2024	10:45
10	P3429-01DU		1	100	100		1.73	0.005	0.006	0.001	0.001	08/01/2024	10:46
11	P3429-01MS	1	2	100	100		2.08	0.005	0.415	0.410	0.523	08/01/2024	10:46
12	P3429-01MS	1	2	100	100		2.02	0.004	0.414	0.410	0.523	08/01/2024	10:47
13	P3429-02		1	100	100		1.93	0.011	0.013	0.002	0.003	08/01/2024	10:48
14	P3429-03		1	100	100		1.89	0.005	0.007	0.002	0.003	08/01/2024	10:49
15	CCV2	0.5	1	100	100		2.08	0.000	0.397	0.397	0.507	08/01/2024	10:50
16	CCB2		1	100	100		2.41	0.000	0.001	0.001	0.001	08/01/2024	10:51

WORKLIST(Hardcopy Internal Chain)

L3131824

WorkList Name : HEX-080124-2 WorkList ID : 182270 Department : Wet-Chemistry Date : 08-01-2024 09:42:19

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P3390-09	MDL-WATER-03-QT3-2024	Water	Hexavalent Chromium	Cool 4 deg C	CHEM02	QA 01	07/29/2024	7196A
P3429-01	926-K1-WS-073124	Water	Hexavalent Chromium	Ammonium sulfate buffer	JACO05	D31	07/31/2024	7196A
P3429-02	931-K1-WS-073124	Water	Hexavalent Chromium	Ammonium sulfate buffer	JACO05	D31	07/31/2024	7196A
P3429-03	925-K1-WS-073124	Water	Hexavalent Chromium	Ammonium sulfate buffer	JACO05	D31	07/31/2024	7196A

Date/Time 08/01/24 09:55
Raw Sample Received by: NF(wc)
Raw Sample Relinquished by: Jd Cdc

Date/Time 08/01/24 11:00
Raw Sample Received by: [Signature]
Raw Sample Relinquished by: NF(wc)

Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB131824

Review By	Niha	Review On	8/1/2024 12:29:30 PM
Supervise By	Iwona	Supervise On	8/1/2024 12:31:38 PM
SubDirectory	LB131824	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	WP108953,WP108952,WP108950,WP108949,WP108907,WP107791,WP108956,WP108951,WP108957,WP108954		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	08/01/24 10:30		Iwona	OK
2	CAL2	CAL2	CAL	08/01/24 10:31		Iwona	OK
3	CAL3	CAL3	CAL	08/01/24 10:32		Iwona	OK
4	CAL4	CAL4	CAL	08/01/24 10:33		Iwona	OK
5	CAL5	CAL5	CAL	08/01/24 10:34		Iwona	OK
6	CAL6	CAL6	CAL	08/01/24 10:35		Iwona	OK
7	CAL7	CAL7	CAL	08/01/24 10:36		Iwona	OK
8	ICV	ICV	ICV	08/01/24 10:37		Iwona	OK
9	ICB	ICB	ICB	08/01/24 10:38		Iwona	OK
10	CCV1	CCV1	CCV	08/01/24 10:39		Iwona	OK
11	CCB1	CCB1	CCB	08/01/24 10:40		Iwona	OK
12	RL Check	RL Check	SAM	08/01/24 10:41		Iwona	OK
13	LB131824BL	LB131824BL	MB	08/01/24 10:42		Iwona	OK
14	LB131824BS	LB131824BS	LCS	08/01/24 10:43		Iwona	OK
15	P3390-09	MDL-WATER-03-QT3	SAM	08/01/24 10:44		Iwona	OK
16	P3429-01	926-K1-WS-073124	SAM	08/01/24 10:45		Iwona	OK
17	P3429-01DUP	926-K1-WS-073124D	DUP	08/01/24 10:46		Iwona	OK
18	P3429-01MS	926-K1-WS-073124M	MS	08/01/24 10:46		Iwona	OK

Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB131824

Review By	Niha	Review On	8/1/2024 12:29:30 PM
Supervise By	Iwona	Supervise On	8/1/2024 12:31:38 PM
SubDirectory	LB131824	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	WP108953,WP108952,WP108950,WP108949,WP108907,WP107791,WP108956,WP108951,WP108957,WP108954		

19	P3429-01MSD	926-K1-WS-073124M	MSD	08/01/24 10:47		Iwona	OK
20	P3429-02	931-K1-WS-073124	SAM	08/01/24 10:48		Iwona	OK
21	P3429-03	925-K1-WS-073124	SAM	08/01/24 10:49		Iwona	OK
22	CCV2	CCV2	CCV	08/01/24 10:50		Iwona	OK
23	CCB2	CCB2	CCB	08/01/24 10:51		Iwona	OK

Prep Standard - Chemical Standard Summary

Order ID : P3429
Test : Hexavalent Chromium

Prepbatch ID :
Sequence ID/Qc Batch ID: LB131824,

Standard ID :
WP107791,WP108658,WP108659,WP108907,WP108948,WP108949,WP108950,WP108951,WP108952,WP108953,WP108954,WP108955,WP108956,WP108957,

Chemical ID :
E3769,M5211,W2606,W2651,W2652,W2979,W3112,

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

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>
126	5N sulfuric acid	WP107791	05/07/2024	10/24/2024	Niha Farheen Shaik	None	None	Iwona Zarych 05/07/2024

FROM 140.00000ml of M5211 + 860.00000ml of W2606 = 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>
1993	HEXAVALENTCHROMIUM STOCK STD 1, 50PPM	WP108658	07/09/2024	01/09/2025	Rubina Mughal	WETCHEM_SCALE_5 (WC SC-5)	None	Iwona Zarych 07/09/2024

FROM 0.14140gram of W2651 + 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>
1994	HEXAVALENTCHROMIUM STOCK STD 2, 50PPM	WP108659	07/09/2024	01/09/2025	Rubina Mughal	WETCHEM_SCALE_5 (WC	None	Iwona Zarych
FROM 0.14140gram of W2652 + 1000.00000ml of W3112 = Final Quantity: 1000.000 ml <div style="text-align: right;">SC-5)</div>								

<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	WP108907	07/30/2024	08/06/2024	Iwona Zarych	WETCHEM_SCALE_5 (WC	None	Mohan Bera
FROM 0.25000gram of W2979 + 50.00000ml of E3769 = Final Quantity: 50.000 ml <div style="text-align: right;">SC-5)</div>								

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>
1103	HEX CHROME INTERMEDIATE STD SOURCE 1 (5PPM)	WP108948	08/01/2024	08/02/2024	Iwona Zarych	None	WETCHEM_PI PETTE_3	Mohan Bera 08/02/2024
FROM 9.00000ml of W3112 + 1.00000ml of WP108658 = Final Quantity: 10.000 ml <div style="text-align: right;">(WC)</div>								

<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>
110	calibration std. hexchrome 0 ppm	WP108949	08/01/2024	08/02/2024	Iwona Zarych	None	None	Mohan Bera 08/02/2024
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>
109	calibration std. hexchrome 0.01 ppm	WP108950	08/01/2024	08/02/2024	Iwona Zarych	None	WETCHEM_PIPETTE_3	Mohan Bera 08/02/2024
FROM 99.80000ml of W3112 + 0.20000ml of WP108948 = Final Quantity: 100.000 ml (WC)								

<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>
3800	Calibration Std Hexachrome 0.025 ppm	WP108951	08/01/2024	08/02/2024	Iwona Zarych	None	WETCHEM_PIPETTE_3	Mohan Bera 08/02/2024
FROM 99.50000ml of W3112 + 0.50000ml of WP108948 = Final Quantity: 100.000 ml (WC)								

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>
108	Calibration Std. hexchrome 0.05 ppm	WP108952	08/01/2024	08/02/2024	Iwona Zarych	None	WETCHEM_PIPETTE_3	Mohan Bera 08/02/2024
FROM 99.00000ml of W3112 + 1.00000ml of WP108948 = Final Quantity: 100.000 ml (WC)								

<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>
107	Calibration Std. hexchrome 0.1 ppm	WP108953	08/01/2024	08/02/2024	Iwona Zarych	None	WETCHEM_PIPETTE_3	Mohan Bera 08/02/2024
FROM 99.80000ml of W3112 + 0.20000ml of WP108658 = Final Quantity: 100.000 ml (WC)								

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>
3808	Calibration and CCV std HexChrome 0.5PPM	WP108954	08/01/2024	08/02/2024	Iwona Zarych	None	WETCHEM_PIPETTE_3	Mohan Bera 08/02/2024
FROM 99.00000ml of W3112 + 1.00000ml of WP108658 = Final Quantity: 100.000 ml (WC)								

<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>
3809	Calibration std HexChrome 1.0PPM	WP108955	08/01/2024	08/02/2024	Iwona Zarych	None	WETCHEM_PIPETTE_3	Mohan Bera 08/02/2024
FROM 98.00000ml of W3112 + 2.00000ml of WP108658 = Final Quantity: 100.000 ml (WC)								

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>
3731	Hex LOQ Std, 0.01PPM	WP108956	08/01/2024	08/02/2024	Iwona Zarych	None	WETCHEM_PIPETTE_3	Mohan Bera 08/02/2024
FROM 99.80000ml of W3112 + 0.20000ml of WP108948 = Final Quantity: 100.000 ml (WC)								

<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>
3804	Hexavalent Chromium ICV-LCS Std	WP108957	08/01/2024	08/02/2024	Iwona Zarych	None	WETCHEM_PIPETTE_3	Mohan Bera 08/02/2024
FROM 99.00000ml of W3112 + 1.00000ml of WP108659 = Final Quantity: 100.000 ml (WC)								

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)	23H1462005	01/12/2025	07/12/2024 / Rajesh	07/02/2024 / Rajesh	E3769

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)	22D0862014	01/20/2025	08/22/2022 / mohan	04/26/2022 / mohan	M5211

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	10/24/2024	10/24/2019 / apatel	10/24/2019 / apatel	W2606

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.	31390 / 1,5-Diphenylcarbazine	MKCR6636	12/09/2027	12/09/2022 / lwona	12/09/2022 / lwona	W2979

CHEMICAL RECEIPT LOG BOOK

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

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 %

Order our products online [alfa.com](https://www.alfa.com)

This document has been electronically generated and does not require a signature.

This is to certify that units of the lot number above were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the purchaser, formulator or those performing further manufacturing to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The above information is the actual analytical results obtained.



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

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

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

avantor™



Material No.: 9254-03
Batch No.: 23H1462005
Manufactured Date: 2023-07-26
Expiration Date: 2026-07-25
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: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 7/21/24

E 3769

Ken Koehnlein
Sr. Manager, Quality Assurance

Sulfuric Acid

BAKER INSTRA-ANALYZED® Reagent

For Trace Metal Analysis

Low Selenium

avantor™



Material No.: 9673-33

Batch No.: 22D0862014

Manufactured Date: 2022-02-23

Retest Date: 2027-02-22

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS – Assay (H ₂ SO ₄)	95.0 – 98.0 %	96.5 %
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	1.7 ppb
Arsenic and Antimony (as As)	≤ 4.0 ppb	< 2.0 ppb
Trace Impurities – Boron (B)	≤ 10.0 ppb	< 5.0 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	< 0.2 ppb
Heavy Metals (as Pb)	≤ 500.0 ppb	< 100.0 ppb
Trace Impurities – Iron (Fe)	≤ 50.0 ppb	2.0 ppb
Trace Impurities – Lead (Pb)	≤ 0.5 ppb	< 0.5 ppb
Trace Impurities – Magnesium (Mg)	≤ 7.0 ppb	0.6 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	12.1 ppb
Trace Impurities – Silicon (Si)	≤ 100.0 ppb	4.4 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

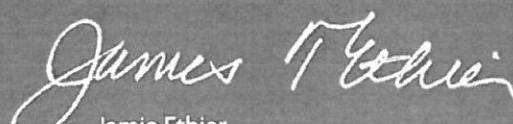


Material No.: 9673-33
Batch No.: 22D0862014

Test	Specification	Result
Trace Impurities – Sodium (Na)	≤ 500.0 ppb	6.2 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	0.6 ppb

For Laboratory, Research, or Manufacturing Use

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


Jamie Ethier
Vice President Global Quality

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

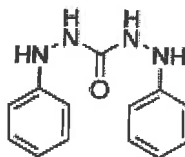
Formula Weight:

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.





SHIPPING DOCUMENTS

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

CHEMTECH

CHAIN OF CUSTODY RECORD

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

CHEMTECH PROJECT NO. **P3429**
QUOTE NO.
COC Number **2041346**

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: Jacobs
ADDRESS: 412 Mt Kumbie Ave Suite #100
CITY Morrisburg STATE: NJ ZIP: 07960
ATTENTION: John Yank
PHONE: (281) 414-1714 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: SFC PTC
PROJECT NO.: D3774922 LOCATION: Princeton Junction
PROJECT MANAGER: Mary Murphy
e-mail: Mary.Murphy@Jacobs.com
PHONE: (201) 936-0586 FAX:

CLIENT BILLING INFORMATION

BILL TO: Mary Murphy PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:
ANALYSIS

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 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 WS 2 WS 3 WS 4 WS 5 WS 6 WS 7 WS 8 WS 9 WS
10 WS 11 WS 12 WS 13 WS
14 WS 15 WS 16 WS 17 WS 18 WS 19 WS 20 WS
21 WS 22 WS 23 WS 24 WS 25 WS 26 WS 27 WS 28 WS 29 WS 30 WS
31 WS 32 WS 33 WS 34 WS 35 WS 36 WS 37 WS 38 WS 39 WS 40 WS
41 WS 42 WS 43 WS 44 WS 45 WS 46 WS 47 WS 48 WS 49 WS 50 WS
51 WS 52 WS 53 WS 54 WS 55 WS 56 WS 57 WS 58 WS 59 WS 60 WS
61 WS 62 WS 63 WS 64 WS 65 WS 66 WS 67 WS 68 WS 69 WS 70 WS
71 WS 72 WS 73 WS 74 WS 75 WS 76 WS 77 WS 78 WS 79 WS 80 WS
81 WS 82 WS 83 WS 84 WS 85 WS 86 WS 87 WS 88 WS 89 WS 90 WS
91 WS 92 WS 93 WS 94 WS 95 WS 96 WS 97 WS 98 WS 99 WS 100 WS
101 WS 102 WS 103 WS 104 WS 105 WS 106 WS 107 WS 108 WS 109 WS 110 WS
111 WS 112 WS 113 WS 114 WS 115 WS 116 WS 117 WS 118 WS 119 WS 120 WS
121 WS 122 WS 123 WS 124 WS 125 WS 126 WS 127 WS 128 WS 129 WS 130 WS
131 WS 132 WS 133 WS 134 WS 135 WS 136 WS 137 WS 138 WS 139 WS 140 WS
141 WS 142 WS 143 WS 144 WS 145 WS 146 WS 147 WS 148 WS 149 WS 150 WS
151 WS 152 WS 153 WS 154 WS 155 WS 156 WS 157 WS 158 WS 159 WS 160 WS
161 WS 162 WS 163 WS 164 WS 165 WS 166 WS 167 WS 168 WS 169 WS 170 WS
171 WS 172 WS 173 WS 174 WS 175 WS 176 WS 177 WS 178 WS 179 WS 180 WS
181 WS 182 WS 183 WS 184 WS 185 WS 186 WS 187 WS 188 WS 189 WS 190 WS
191 WS 192 WS 193 WS 194 WS 195 WS 196 WS 197 WS 198 WS 199 WS 200 WS
201 WS 202 WS 203 WS 204 WS 205 WS 206 WS 207 WS 208 WS 209 WS 210 WS
211 WS 212 WS 213 WS 214 WS 215 WS 216 WS 217 WS 218 WS 219 WS 220 WS
221 WS 222 WS 223 WS 224 WS 225 WS 226 WS 227 WS 228 WS 229 WS 230 WS
231 WS 232 WS 233 WS 234 WS 235 WS 236 WS 237 WS 238 WS 239 WS 240 WS
241 WS 242 WS 243 WS 244 WS 245 WS 246 WS 247 WS 248 WS 249 WS 250 WS
251 WS 252 WS 253 WS 254 WS 255 WS 256 WS 257 WS 258 WS 259 WS 260 WS
261 WS 262 WS 263 WS 264 WS 265 WS 266 WS 267 WS 268 WS 269 WS 270 WS
271 WS 272 WS 273 WS 274 WS 275 WS 276 WS 277 WS 278 WS 279 WS 280 WS
281 WS 282 WS 283 WS 284 WS 285 WS 286 WS 287 WS 288 WS 289 WS 290 WS
291 WS 292 WS 293 WS 294 WS 295 WS 296 WS 297 WS 298 WS 299 WS 300 WS
301 WS 302 WS 303 WS 304 WS 305 WS 306 WS 307 WS 308 WS 309 WS 310 WS
311 WS 312 WS 313 WS 314 WS 315 WS 316 WS 317 WS 318 WS 319 WS 320 WS
321 WS 322 WS 323 WS 324 WS 325 WS 326 WS 327 WS 328 WS 329 WS 330 WS
331 WS 332 WS 333 WS 334 WS 335 WS 336 WS 337 WS 338 WS 339 WS 340 WS
341 WS 342 WS 343 WS 344 WS 345 WS 346 WS 347 WS 348 WS 349 WS 350 WS
351 WS 352 WS 353 WS 354 WS 355 WS 356 WS 357 WS 358 WS 359 WS 360 WS
361 WS 362 WS 363 WS 364 WS 365 WS 366 WS 367 WS 368 WS 369 WS 370 WS
371 WS 372 WS 373 WS 374 WS 375 WS 376 WS 377 WS 378 WS 379 WS 380 WS
381 WS 382 WS 383 WS 384 WS 385 WS 386 WS 387 WS 388 WS 389 WS 390 WS
391 WS 392 WS 393 WS 394 WS 395 WS 396 WS 397 WS 398 WS 399 WS 400 WS
401 WS 402 WS 403 WS 404 WS 405 WS 406 WS 407 WS 408 WS 409 WS 410 WS
411 WS 412 WS 413 WS 414 WS 415 WS 416 WS 417 WS 418 WS 419 WS 420 WS
421 WS 422 WS 423 WS 424 WS 425 WS 426 WS 427 WS 428 WS 429 WS 430 WS
431 WS 432 WS 433 WS 434 WS 435 WS 436 WS 437 WS 438 WS 439 WS 440 WS
441 WS 442 WS 443 WS 444 WS 445 WS 446 WS 447 WS 448 WS 449 WS 450 WS
451 WS 452 WS 453 WS 454 WS 455 WS 456 WS 457 WS 458 WS 459 WS 460 WS
461 WS 462 WS 463 WS 464 WS 465 WS 466 WS 467 WS 468 WS 469 WS 470 WS
471 WS 472 WS 473 WS 474 WS 475 WS 476 WS 477 WS 478 WS 479 WS 480 WS
481 WS 482 WS 483 WS 484 WS 485 WS 486 WS 487 WS 488 WS 489 WS 490 WS
491 WS 492 WS 493 WS 494 WS 495 WS 496 WS 497 WS 498 WS 499 WS 500 WS
501 WS 502 WS 503 WS 504 WS 505 WS 506 WS 507 WS 508 WS 509 WS 510 WS
511 WS 512 WS 513 WS 514 WS 515 WS 516 WS 517 WS 518 WS 519 WS 520 WS
521 WS 522 WS 523 WS 524 WS 525 WS 526 WS 527 WS 528 WS 529 WS 530 WS
531 WS 532 WS 533 WS 534 WS 535 WS 536 WS 537 WS 538 WS 539 WS 540 WS
541 WS 542 WS 543 WS 544 WS 545 WS 546 WS 547 WS 548 WS 549 WS 550 WS
551 WS 552 WS 553 WS 554 WS 555 WS 556 WS 557 WS 558 WS 559 WS 560 WS
561 WS 562 WS 563 WS 564 WS 565 WS 566 WS 567 WS 568 WS 569 WS 570 WS
571 WS 572 WS 573 WS 574 WS 575 WS 576 WS 577 WS 578 WS 579 WS 580 WS
581 WS 582 WS 583 WS 584 WS 585 WS 586 WS 587 WS 588 WS 589 WS 590 WS
591 WS 592 WS 593 WS 594 WS 595 WS 596 WS 597 WS 598 WS 599 WS 600 WS
601 WS 602 WS 603 WS 604 WS 605 WS 606 WS 607 WS 608 WS 609 WS 610 WS
611 WS 612 WS 613 WS 614 WS 615 WS 616 WS 617 WS 618 WS 619 WS 620 WS
621 WS 622 WS 623 WS 624 WS 625 WS 626 WS 627 WS 628 WS 629 WS 630 WS
631 WS 632 WS 633 WS 634 WS 635 WS 636 WS 637 WS 638 WS 639 WS 640 WS
641 WS 642 WS 643 WS 644 WS 645 WS 646 WS 647 WS 648 WS 649 WS 650 WS
651 WS 652 WS 653 WS 654 WS 655 WS 656 WS 657 WS 658 WS 659 WS 660 WS
661 WS 662 WS 663 WS 664 WS 665 WS 666 WS 667 WS 668 WS 669 WS 670 WS
671 WS 672 WS 673 WS 674 WS 675 WS 676 WS 677 WS 678 WS 679 WS 680 WS
681 WS 682 WS 683 WS 684 WS 685 WS 686 WS 687 WS 688 WS 689 WS 690 WS
691 WS 692 WS 693 WS 694 WS 695 WS 696 WS 697 WS 698 WS 699 WS 700 WS
701 WS 702 WS 703 WS 704 WS 705 WS 706 WS 707 WS 708 WS 709 WS 710 WS
711 WS 712 WS 713 WS 714 WS 715 WS 716 WS 717 WS 718 WS 719 WS 720 WS
721 WS 722 WS 723 WS 724 WS 725 WS 726 WS 727 WS 728 WS 729 WS 730 WS
731 WS 732 WS 733 WS 734 WS 735 WS 736 WS 737 WS 738 WS 739 WS 740 WS
741 WS 742 WS 743 WS 744 WS 745 WS 746 WS 747 WS 748 WS 749 WS 750 WS
751 WS 752 WS 753 WS 754 WS 755 WS 756 WS 757 WS 758 WS 759 WS 760 WS
761 WS 762 WS 763 WS 764 WS 765 WS 766 WS 767 WS 768 WS 769 WS 770 WS
771 WS 772 WS 773 WS 774 WS 775 WS 776 WS 777 WS 778 WS 779 WS 780 WS
781 WS 782 WS 783 WS 784 WS 785 WS 786 WS 787 WS 788 WS 789 WS 790 WS
791 WS 792 WS 793 WS 794 WS 795 WS 796 WS 797 WS 798 WS 799 WS 800 WS
801 WS 802 WS 803 WS 804 WS 805 WS 806 WS 807 WS 808 WS 809 WS 810 WS
811 WS 812 WS 813 WS 814 WS 815 WS 816 WS 817 WS 818 WS 819 WS 820 WS
821 WS 822 WS 823 WS 824 WS 825 WS 826 WS 827 WS 828 WS 829 WS 830 WS
831 WS 832 WS 833 WS 834 WS 835 WS 836 WS 837 WS 838 WS 839 WS 840 WS
841 WS 842 WS 843 WS 844 WS 845 WS 846 WS 847 WS 848 WS 849 WS 850 WS
851 WS 852 WS 853 WS 854 WS 855 WS 856 WS 857 WS 858 WS 859 WS 860 WS
861 WS 862 WS 863 WS 864 WS 865 WS 866 WS 867 WS 868 WS 869 WS 870 WS
871 WS 872 WS 873 WS 874 WS 875 WS 876 WS 877 WS 878 WS 879 WS 880 WS
881 WS 882 WS 883 WS 884 WS 885 WS 886 WS 887 WS 888 WS 889 WS 890 WS
891 WS 892 WS 893 WS 894 WS 895 WS 896 WS 897 WS 898 WS 899 WS 900 WS
901 WS 902 WS 903 WS 904 WS 905 WS 906 WS 907 WS 908 WS 909 WS 910 WS
911 WS 912 WS 913 WS 914 WS 915 WS 916 WS 917 WS 918 WS 919 WS 920 WS
921 WS 922 WS 923 WS 924 WS 925 WS 926 WS 927 WS 928 WS 929 WS 930 WS
931 WS 932 WS 933 WS 934 WS 935 WS 936 WS 937 WS 938 WS 939 WS 940 WS
941 WS 942 WS 943 WS 944 WS 945 WS 946 WS 947 WS 948 WS 949 WS 950 WS
951 WS 952 WS 953 WS 954 WS 955 WS 956 WS 957 WS 958 WS 959 WS 960 WS
961 WS 962 WS 963 WS 964 WS 965 WS 966 WS 967 WS 968 WS 969 WS 970 WS
971 WS 972 WS 973 WS 974 WS 975 WS 976 WS 977 WS 978 WS 979 WS 980 WS
981 WS 982 WS 983 WS 984 WS 985 WS 986 WS 987 WS 988 WS 989 WS 990 WS
991 WS 992 WS 993 WS 994 WS 995 WS 996 WS 997 WS 998 WS 999 WS 1000 WS

PRESERVATIVES

COMMENTS

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF B
--------------------------	----------------------------------	------------------	----------------	--	----------------------	--	--------

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (L-A-B)	L2219
Maine	2022022
Maryland	296
New Hampshire	255423
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	P330-21-00137
Texas	T104704488



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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P3429 JACO05

Order Date : 7/31/2024 4:38:00 PM

Project Mgr : YAZMEEN

Client Name : JACOBS Engineering Grou

Project Name : Former Schlumberger Site I

Report Type : Level 4

Client Contact : Mary I. Murphy

Receive DateTime : 7/31/2024 5:45:00 PM

EDD Type : CH2MHILL

Invoice Name : JACOBS Engineering Grou

Purchase Order :

Hard Copy Date :

Invoice Contact : Mary I. Murphy

Date Signoff : 8/1/2024 9:54:09 AM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P3429-01	926-K1-WS-073124	Water	07/31/2024	14:00	VOCMS Group6		8260-Low 10 Bus. Days		
P3429-02	931-K1-WS-073124	Water	07/31/2024	14:50	VOCMS Group6		8260-Low 10 Bus. Days		
P3429-03	925-K1-WS-073124	Water	07/31/2024	15:15	VOCMS Group6		8260-Low 10 Bus. Days		
P3429-04	TB-01-073124	Water	07/31/2024	16:00	VOCMS Group6		8260-Low 10 Bus. Days		

Relinquished By :

Date / Time : 8-1-24 11:10

Received By :

Date / Time : 8/01/24 11:10

Storage Area : VOA Refridgerator Room