

DATA PACKAGE

VOLATILE ORGANICS
GENERAL CHEMISTRY
METALS
SEMI-VOLATILE ORGANICS

PROJECT NAME : FORMER SCHLUMBERGER STC PTC SITE D3868221

JACOBS ENGINEERING GROUP, INC.

412 Mt. Kemble Ave

Downtown Building

Morristown, NJ - 07960

Phone No: 9732670555

ORDER ID : Q1697

ATTENTION : John Ynfante



Laboratory Certification ID # 20012



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DATA OF KNOWN QUALITY CONFORMANCE/NON-CONFORMANCE SUMMARY QUESTIONNAIRE

1

Laboratory Name : Alliance Technical Group LLC Client : JACOBS Engineering Group, Inc.
 Project Location : Princeton Junction Project Number : D3868221
 Laboratory Sample ID(s) : Q1697 Sampling Date(s) : 4/01/2025
 List DKQP Methods Used (e.g., 8260,8270, et Cetra) **,6020B,8260-Low,8270-Modified,9056A,SM2320 B,SM2540 C,SOP**

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the NJDEP Data of Known Quality performance standards?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1A	Were the method specified handling, preservation, and holding time requirements met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1B	EPH Method: Was the EPH method conducted without significant modifications (see Section 11.3 of respective DKQ methods)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3	Were samples received at an appropriate temperature (4±2° C)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
4	Were all QA/QC performance criteria specified in the NJDEP DKQP standards achieved?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
5	a)Were reporting limits specified or referenced on the chain-of-custody or communicated to the laboratory prior to sample receipt? b)Were these reporting limits met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the DKQP documents and/or site-specific QAPP?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
7	Are project-specific matrix spikes and/or laboratory duplicates included in this data set?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Notes: For all questions to which the response was “No” (with the exception of question #7), additional information should be provided in an attached narrative. If the answer to question #1, #1A, or #1B is “No”, the data package does not meet the requirements for “Data of Known Quality.”

Cover Page

Order ID : Q1697

Project ID : Former Schlumberger STC PTC Site D3868221

Client : JACOBS Engineering Group, Inc.

Lab Sample Number

Q1697-01
Q1697-02
Q1697-03
Q1697-04
Q1697-05
Q1697-06
Q1697-13
Q1697-14
Q1697-15
Q1697-16
Q1697-17

Client Sample Number

MW-19B-72-040125
IW-01-55-040125
IW-02-55-040125
IW-02-55-040125-FD
IW-03-55-040125
TB-01-040125
MW-19B-72-040125
IW-01-55-040125
IW-02-55-040125
IW-02-55-040125-FD
IW-03-55-040125

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 :

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 10:11 am, Apr 14, 2025

Date: 4/8/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

JACOBS Engineering Group, Inc.

Project Name: Former Schlumberger STC PTC Site D3868221

Project # N/A

Chemtech Project # Q1697

Test Name: VOCMS Group3

A. Number of Samples and Date of Receipt:

11 Water samples were received on 04/01/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Alkalinity, Anions Group1, Dissolved ICP-Group2, Dissolved Metals Group3, Mercury, Metals Group4, Metals ICP-TAL, METALS-TAL, SVOC-SIMGroup1, TDS, VOC-TRACE-SFAM and VOCMS Group3. This data package contains results for VOCMS Group3.

C. Analytical Techniques:

The analysis performed on instrument MSVOA_X were done using GC column DB-624UI 20m 0.18mm 1.0 um. Cat#121-1324UI The analysis of VOCMS Group3 was based on method 8260D.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The RPD met criteria .

The Blank Spike met requirements for all samples .

The Blank Spike Duplicate met requirements for all samples .

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

The Initial Calibration met the Requirements.

The Continuous Calibration met the requirements .

The Tuning criteria met requirements.

Samples IW-02-55-040125, IW-02-55-040125-FD and IW-03-55-040125 were diluted due to past history of this sample containing high amounts of Trichloroethene.

Samples MW-19B-72-040125 and IW-01-55-040125 were diluted due to high concentrations.

E. Additional Comments:

Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:

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

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Signature_____

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 10:11 am, Apr 14, 2025

CASE NARRATIVE

JACOBS Engineering Group, Inc.

Project Name: Former Schlumberger STC PTC Site # D3868221

Project # N/A

Chemtech Project # Q1697

Test Name: SVOC-SIMGroup1

A. Number of Samples and Date of Receipt:

11 Water samples were received on 04/01/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Alkalinity, Anions Group1, Dissolved ICP-Group2, Dissolved Metals Group3, Mercury, Metals Group4, Metals ICP-TAL, METALS-TAL, SVOC-SIMGroup1, TDS, VOC-TRACE-SFAM and VOCMS Group3. This data package contains results for SVOC-SIMGroup1.

C. Analytical Techniques:

The samples were analyzed on instrument BNA_N using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGAThe analysis of SVOC-SIMGroup1 was based on method 8270-Modified and extraction was done based on method 3510.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for IW-03-55-040125 [Terphenyl-d14 - 133%], this compound did not meet the NJDKQP criteria but met the in-house criteria.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The RPD met criteria .

The Blank Spike met requirements for all samples .

The Blank Spike Duplicate met requirements for all samples .

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

The Initial Calibration met the requirements .

The Continuous Calibration File ID BN036817.D met the requirements except for Fluoranthene-d10, The failure compound not associated with the client parameters list, therefore no corrective action was taken.

The Tuning criteria met requirements.

Sample MW-19B-72-040125 was diluted due to high concentration.

E. Additional Comments:

The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:

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

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Signature_____

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 10:11 am, Apr 14, 2025

CASE NARRATIVE

JACOBS Engineering Group, Inc.

Project Name: Former Schlumberger STC PTC Site D3868221

Project # N/A

Chemtech Project # Q1697

Test Name: Metals Group4,Dissolved ICP-Group2

A. Number of Samples and Date of Receipt:

11 Water samples were received on 04/01/2025.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: Alkalinity, Anions Group1, Dissolved ICP-Group2, Dissolved Metals Group3, Mercury, Metals Group4, Metals ICP-TAL, METALS-TAL, SVOC-SIMGroup1, TDS, VOC-TRACE-SFAM and VOCMS Group3. This data package contains results for Metals Group4,Dissolved ICP-Group2.

C. Analytical Techniques:

The analysis of Dissolved ICP-Group2,Metals Group4 was based on method 6020B and digestion based on method 3010 (waters).

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 (IW-02-55-040125-FDMS) analysis met criteria for all samples except for Arsenic, Potassium due to matrix interference.

The Matrix Spike Duplicate (IW-02-55-040125-FDMSD) analysis met criteria for all samples except for Arsenic, Potassium due to matrix interference.

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

The Calibration met the requirements.

The Serial Dilution met the acceptable requirements.

E. Additional Comments:

Samples Q1697-01 to Q1697-05 were analyzed as Total metals and Samples Q1697-13 to Q1697-17 were analyzed as Dissolved metals.

Collision cell is being used to remove potential interferences. The analytes Na, Mg, Al, K, V, Cr, Mn, Fe, Co, Ni, Cu, Zn, As are being analyzed with collision cell and analytes Be, B, Ca, Ti, Se, Sr, Zr, Mo, Ag, Cd, Sn, Sb, Ba, Tl, Pb, U are being analyzed with Non-Collision Cell. Helium gas is used for the Collision Cell analysis.



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Signature_____

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 10:12 am, Apr 14, 2025

CASE NARRATIVE

JACOBS Engineering Group, Inc.

Project Name: Former Schlumberger STC PTC Site # D3868221

Project # N/A

Chemtech Project # Q1697

Test Name: Alkalinity,TDS,Anions Group1

A. Number of Samples and Date of Receipt:

11 Water samples were received on 04/01/2025.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: Alkalinity, Anions Group1, Dissolved ICP-Group2, Dissolved Metals Group3, Mercury, Metals Group4, Metals ICP-TAL, METALS-TAL, SVOC-SIMGroup1, TDS, VOC-TRACE-SFAM and VOCMS Group3. This data package contains results for Alkalinity,TDS,Anions Group1.

C. Analytical Techniques:

The analysis of Anions Group1 was based on method 9056A, The analysis of Alkalinity was based on method SM2320 B and The analysis of TDS was based on method SM2540 C.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

Sample MW-19B-72-040125 was diluted due to high concentrations for Chloride

& Sample IW-01-55-040125 was diluted due to high concentrations for Chloride

& Sample IW-02-55-040125 was diluted due to high concentrations for Chloride

& Sample IW-02-55-040125-FD was diluted due to high concentrations for Chloride

& Sample IW-03-55-040125 was diluted due to high concentrations for Chloride.

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_____

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 10:12 am, Apr 14, 2025

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

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following “Results Qualifiers” are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. “10 U”. This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value. This flag is used: <ul style="list-style-type: none"> (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as “12 B”.
E	Indicates the analyte ‘s concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a “P”.
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1697

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 Custody

✓

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: 04/08/2025

Hit Summary Sheet
SW-846

SDG No.: Q1697
Client: JACOBS Engineering Group, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID: MW-19B-72-040125								
Q1697-01	MW-19B-72-04012	Water	Vinyl Chloride	8.80		0.26	1.00	ug/L
Q1697-01	MW-19B-72-04012	Water	1,1-Dichloroethene	85.9		0.23	1.00	ug/L
Q1697-01	MW-19B-72-04012	Water	1,1-Dichloroethane	21.3		0.23	1.00	ug/L
Q1697-01	MW-19B-72-04012	Water	cis-1,2-Dichloroethene	6000	E	0.19	1.00	ug/L
Q1697-01	MW-19B-72-04012	Water	1,1,1-Trichloroethane	32.0		0.20	1.00	ug/L
Q1697-01	MW-19B-72-04012	Water	Benzene	1.70		0.15	1.00	ug/L
Q1697-01	MW-19B-72-04012	Water	1,2-Dichloroethane	5.30		0.22	1.00	ug/L
Q1697-01	MW-19B-72-04012	Water	Trichloroethene	12900	E	0.090	1.00	ug/L
Q1697-01	MW-19B-72-04012	Water	Tetrachloroethene	740	E	0.23	1.00	ug/L
Total Voc :				19800				
Total Concentration:				19800				
Client ID: MW-19B-72-040125DL								
Q1697-01DL	MW-19B-72-04012	Water	1,1-Dichloroethene	100	JD	46.0	200	ug/L
Q1697-01DL	MW-19B-72-04012	Water	cis-1,2-Dichloroethene	6900	D	38.0	200	ug/L
Q1697-01DL	MW-19B-72-04012	Water	Trichloroethene	17300	D	18.6	200	ug/L
Q1697-01DL	MW-19B-72-04012	Water	Tetrachloroethene	790	D	46.0	200	ug/L
Total Voc :				25100				
Total Concentration:				25100				
Client ID: IW-01-55-040125								
Q1697-02	IW-01-55-040125	Water	1,1-Dichloroethene	8.60		0.23	1.00	ug/L
Q1697-02	IW-01-55-040125	Water	1,1-Dichloroethane	7.20		0.23	1.00	ug/L
Q1697-02	IW-01-55-040125	Water	cis-1,2-Dichloroethene	93.9		0.19	1.00	ug/L
Q1697-02	IW-01-55-040125	Water	Trichloroethene	340	E	0.090	1.00	ug/L
Q1697-02	IW-01-55-040125	Water	Tetrachloroethene	3.10		0.23	1.00	ug/L
Total Voc :				453				
Total Concentration:				453				
Client ID: IW-01-55-040125DL								
Q1697-02DL	IW-01-55-040125D	Water	1,1-Dichloroethene	8.50	JD	2.30	10.0	ug/L
Q1697-02DL	IW-01-55-040125D	Water	cis-1,2-Dichloroethene	92.0	D	1.90	10.0	ug/L
Q1697-02DL	IW-01-55-040125D	Water	Trichloroethene	340	D	0.93	10.0	ug/L
Total Voc :				441				
Total Concentration:				441				
Client ID: IW-02-55-040125								
Q1697-03	IW-02-55-040125	Water	1,1-Dichloroethene	8.50	J	2.30	10.0	ug/L
Q1697-03	IW-02-55-040125	Water	cis-1,2-Dichloroethene	360		1.90	10.0	ug/L
Q1697-03	IW-02-55-040125	Water	Trichloroethene	670		0.93	10.0	ug/L
Total Voc :				1040				
Total Concentration:				1040				

Hit Summary Sheet
SW-846

SDG No.: Q1697

Client: JACOBS Engineering Group, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID: IW-02-55-040125-FD								
Q1697-04	IW-02-55-040125-F	Water	1,1-Dichloroethene	7.50	J	2.30	10.0	ug/L
Q1697-04	IW-02-55-040125-F	Water	cis-1,2-Dichloroethene	320		1.90	10.0	ug/L
Q1697-04	IW-02-55-040125-F	Water	Trichloroethene	610		0.93	10.0	ug/L
			Total Voc :			938		
			Total Concentration:			938		
Client ID: IW-03-55-040125								
Q1697-05	IW-03-55-040125	Water	1,1-Dichloroethene	11.3		2.30	10.0	ug/L
Q1697-05	IW-03-55-040125	Water	cis-1,2-Dichloroethene	560		1.90	10.0	ug/L
Q1697-05	IW-03-55-040125	Water	Trichloroethene	1100		0.93	10.0	ug/L
			Total Voc :			1670		
			Total Concentration:			1670		



SAMPLE DATA

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	04/01/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	04/01/25
Client Sample ID:	MW-19B-72-040125	SDG No.:	Q1697
Lab Sample ID:	Q1697-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045539.D	1		04/02/25 12:07	VX040225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	8.80		0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	85.9		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	21.3		0.23	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	6000	E	0.19	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	32.0		0.20	1.00	ug/L
71-43-2	Benzene	1.70		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	5.30		0.22	1.00	ug/L
79-01-6	Trichloroethene	12900	E	0.090	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
127-18-4	Tetrachloroethene	740	E	0.23	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.9		70 (74) - 130 (125)	102%	SPK: 50
1868-53-7	Dibromofluoromethane	47.6		70 (75) - 130 (124)	95%	SPK: 50
2037-26-5	Toluene-d8	44.5		70 (86) - 130 (113)	89%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.3		70 (77) - 130 (121)	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	57800	5.55			
540-36-3	1,4-Difluorobenzene	116000	6.757			
3114-55-4	Chlorobenzene-d5	97800	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	43500	12.018			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	04/01/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	04/01/25
Client Sample ID:	MW-19B-72-040125DL	SDG No.:	Q1697
Lab Sample ID:	Q1697-01DL	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045542.D	200		04/02/25 13:21	VX040225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	52.0	UD	52.0	200	ug/L
75-35-4	1,1-Dichloroethene	100	JD	46.0	200	ug/L
75-34-3	1,1-Dichloroethane	46.0	UD	46.0	200	ug/L
156-59-2	cis-1,2-Dichloroethene	6900	D	38.0	200	ug/L
71-55-6	1,1,1-Trichloroethane	40.0	UD	40.0	200	ug/L
71-43-2	Benzene	30.0	UD	30.0	200	ug/L
107-06-2	1,2-Dichloroethane	44.0	UD	44.0	200	ug/L
79-01-6	Trichloroethene	17300	D	18.6	200	ug/L
79-00-5	1,1,2-Trichloroethane	42.0	UD	42.0	200	ug/L
127-18-4	Tetrachloroethene	790	D	46.0	200	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.9		70 (74) - 130 (125)	104%	SPK: 50
1868-53-7	Dibromofluoromethane	51.7		70 (75) - 130 (124)	103%	SPK: 50
2037-26-5	Toluene-d8	50.5		70 (86) - 130 (113)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.9		70 (77) - 130 (121)	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	61300	5.544			
540-36-3	1,4-Difluorobenzene	119000	6.757			
3114-55-4	Chlorobenzene-d5	112000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	46900	12.018			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

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J = Estimated Value

B = Analyte Found in Associated Method Blank

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D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	04/01/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	04/01/25
Client Sample ID:	IW-01-55-040125	SDG No.:	Q1697
Lab Sample ID:	Q1697-02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045540.D	1		04/02/25 12:30	VX040225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	8.60		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	7.20		0.23	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	93.9		0.19	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	340	E	0.090	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
127-18-4	Tetrachloroethene	3.10		0.23	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.7		70 (74) - 130 (125)	103%	SPK: 50
1868-53-7	Dibromofluoromethane	51.8		70 (75) - 130 (124)	104%	SPK: 50
2037-26-5	Toluene-d8	51.5		70 (86) - 130 (113)	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.6		70 (77) - 130 (121)	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	60100	5.544			
540-36-3	1,4-Difluorobenzene	115000	6.757			
3114-55-4	Chlorobenzene-d5	105000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	42600	12.018			

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A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	04/01/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	04/01/25
Client Sample ID:	IW-01-55-040125DL	SDG No.:	Q1697
Lab Sample ID:	Q1697-02DL	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045543.D	10		04/02/25 13:44	VX040225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	2.60	UD	2.60	10.0	ug/L
75-35-4	1,1-Dichloroethene	8.50	JD	2.30	10.0	ug/L
75-34-3	1,1-Dichloroethane	2.30	UD	2.30	10.0	ug/L
156-59-2	cis-1,2-Dichloroethene	92.0	D	1.90	10.0	ug/L
71-55-6	1,1,1-Trichloroethane	2.00	UD	2.00	10.0	ug/L
71-43-2	Benzene	1.50	UD	1.50	10.0	ug/L
107-06-2	1,2-Dichloroethane	2.20	UD	2.20	10.0	ug/L
79-01-6	Trichloroethene	340	D	0.93	10.0	ug/L
79-00-5	1,1,2-Trichloroethane	2.10	UD	2.10	10.0	ug/L
127-18-4	Tetrachloroethene	2.30	UD	2.30	10.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.3		70 (74) - 130 (125)	109%	SPK: 50
1868-53-7	Dibromofluoromethane	52.7		70 (75) - 130 (124)	105%	SPK: 50
2037-26-5	Toluene-d8	50.8		70 (86) - 130 (113)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.3		70 (77) - 130 (121)	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	57000	5.55			
540-36-3	1,4-Difluorobenzene	111000	6.757			
3114-55-4	Chlorobenzene-d5	101000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	38900	12.024			

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	04/01/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	04/01/25
Client Sample ID:	IW-02-55-040125	SDG No.:	Q1697
Lab Sample ID:	Q1697-03	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045549.D	10		04/02/25 16:04	VX040225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	2.60	U	2.60	10.0	ug/L
75-35-4	1,1-Dichloroethene	8.50	J	2.30	10.0	ug/L
75-34-3	1,1-Dichloroethane	2.30	U	2.30	10.0	ug/L
156-59-2	cis-1,2-Dichloroethene	360		1.90	10.0	ug/L
71-55-6	1,1,1-Trichloroethane	2.00	U	2.00	10.0	ug/L
71-43-2	Benzene	1.50	U	1.50	10.0	ug/L
107-06-2	1,2-Dichloroethane	2.20	U	2.20	10.0	ug/L
79-01-6	Trichloroethene	670		0.93	10.0	ug/L
79-00-5	1,1,2-Trichloroethane	2.10	U	2.10	10.0	ug/L
127-18-4	Tetrachloroethene	2.30	U	2.30	10.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.0		70 (74) - 130 (125)	106%	SPK: 50
1868-53-7	Dibromofluoromethane	51.4		70 (75) - 130 (124)	103%	SPK: 50
2037-26-5	Toluene-d8	49.6		70 (86) - 130 (113)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.9		70 (77) - 130 (121)	96%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	61600	5.55			
540-36-3	1,4-Difluorobenzene	121000	6.757			
3114-55-4	Chlorobenzene-d5	109000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	45500	12.018			

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	04/01/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	04/01/25
Client Sample ID:	IW-02-55-040125-FD	SDG No.:	Q1697
Lab Sample ID:	Q1697-04	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045550.D	10		04/02/25 16:27	VX040225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	2.60	U	2.60	10.0	ug/L
75-35-4	1,1-Dichloroethene	7.50	J	2.30	10.0	ug/L
75-34-3	1,1-Dichloroethane	2.30	U	2.30	10.0	ug/L
156-59-2	cis-1,2-Dichloroethene	320		1.90	10.0	ug/L
71-55-6	1,1,1-Trichloroethane	2.00	U	2.00	10.0	ug/L
71-43-2	Benzene	1.50	U	1.50	10.0	ug/L
107-06-2	1,2-Dichloroethane	2.20	U	2.20	10.0	ug/L
79-01-6	Trichloroethene	610		0.93	10.0	ug/L
79-00-5	1,1,2-Trichloroethane	2.10	U	2.10	10.0	ug/L
127-18-4	Tetrachloroethene	2.30	U	2.30	10.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.1		70 (74) - 130 (125)	104%	SPK: 50
1868-53-7	Dibromofluoromethane	50.0		70 (75) - 130 (124)	100%	SPK: 50
2037-26-5	Toluene-d8	50.0		70 (86) - 130 (113)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.1		70 (77) - 130 (121)	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	66400	5.55			
540-36-3	1,4-Difluorobenzene	130000	6.757			
3114-55-4	Chlorobenzene-d5	120000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	51200	12.018			

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	04/01/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	04/01/25
Client Sample ID:	IW-03-55-040125	SDG No.:	Q1697
Lab Sample ID:	Q1697-05	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045551.D	10		04/02/25 16:51	VX040225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	2.60	U	2.60	10.0	ug/L
75-35-4	1,1-Dichloroethene	11.3		2.30	10.0	ug/L
75-34-3	1,1-Dichloroethane	2.30	U	2.30	10.0	ug/L
156-59-2	cis-1,2-Dichloroethene	560		1.90	10.0	ug/L
71-55-6	1,1,1-Trichloroethane	2.00	U	2.00	10.0	ug/L
71-43-2	Benzene	1.50	U	1.50	10.0	ug/L
107-06-2	1,2-Dichloroethane	2.20	U	2.20	10.0	ug/L
79-01-6	Trichloroethene	1100		0.93	10.0	ug/L
79-00-5	1,1,2-Trichloroethane	2.10	U	2.10	10.0	ug/L
127-18-4	Tetrachloroethene	2.30	U	2.30	10.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.8		70 (74) - 130 (125)	108%	SPK: 50
1868-53-7	Dibromofluoromethane	52.6		70 (75) - 130 (124)	105%	SPK: 50
2037-26-5	Toluene-d8	50.8		70 (86) - 130 (113)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.2		70 (77) - 130 (121)	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	61400	5.544			
540-36-3	1,4-Difluorobenzene	119000	6.757			
3114-55-4	Chlorobenzene-d5	111000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	47100	12.018			

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	04/01/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	04/01/25
Client Sample ID:	TB-01-040125	SDG No.:	Q1697
Lab Sample ID:	Q1697-06	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045562.D	1		04/03/25 11:45	VX040325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.0		70 (74) - 130 (125)	108%	SPK: 50
1868-53-7	Dibromofluoromethane	52.0		70 (75) - 130 (124)	104%	SPK: 50
2037-26-5	Toluene-d8	50.0		70 (86) - 130 (113)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.0		70 (77) - 130 (121)	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	66700	5.544			
540-36-3	1,4-Difluorobenzene	130000	6.757			
3114-55-4	Chlorobenzene-d5	121000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	51100	12.018			

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LAB CHRONICLE

OrderID:	Q1697	OrderDate:	4/2/2025 10:31:00 AM
Client:	JACOBS Engineering Group, Inc.	Project:	Former Schlumberger STC PTC Site D3868221
Contact:	John Ynfante	Location:	I31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1697-01	MW-19B-72-040125	Water	VOCMS Group3	8260-Low	04/01/25		04/02/25	04/01/25
Q1697-01DL	MW-19B-72-040125D L	Water	VOCMS Group3	8260-Low	04/01/25		04/02/25	04/01/25
Q1697-02	IW-01-55-040125	Water	VOCMS Group3	8260-Low	04/01/25		04/02/25	04/01/25
Q1697-02DL	IW-01-55-040125DL	Water	VOCMS Group3	8260-Low	04/01/25		04/02/25	04/01/25
Q1697-03	IW-02-55-040125	Water	VOCMS Group3	8260-Low	04/01/25		04/02/25	04/01/25
Q1697-04	IW-02-55-040125-FD	Water	VOCMS Group3	8260-Low	04/01/25		04/02/25	04/01/25
Q1697-05	IW-03-55-040125	Water	VOCMS Group3	8260-Low	04/01/25		04/02/25	04/01/25
Q1697-06	TB-01-040125	Water	VOCMS Group3	8260-Low	04/01/25		04/03/25	04/01/25

Hit Summary Sheet SW-846

SDG No.: Q1697
Client: JACOBS Engineering Group, Inc.

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID :	MW-19B-72-040125							
Q1697-01	MW-19B-72-040125	WATER	1,4-Dioxane	6.600	E	0.07	0.21	ug/L
			Total Svoc :			6.60		
			Total Concentration:			6.60		
Client ID :	MW-19B-72-040125DL							
Q1697-01DL	MW-19B-72-040125DL	WATER	1,4-Dioxane	6.900	D	0.14	0.41	ug/L
			Total Svoc :			6.90		
			Total Concentration:			6.90		
Client ID :	IW-01-55-040125							
Q1697-02	IW-01-55-040125	WATER	1,4-Dioxane	0.910		0.07	0.2	ug/L
			Total Svoc :			0.91		
			Total Concentration:			0.91		
Client ID :	IW-02-55-040125							
Q1697-03	IW-02-55-040125	WATER	1,4-Dioxane	0.770		0.07	0.21	ug/L
			Total Svoc :			0.77		
			Total Concentration:			0.77		
Client ID :	IW-02-55-040125-FD							
Q1697-04	IW-02-55-040125-FD	WATER	1,4-Dioxane	0.580		0.07	0.21	ug/L
			Total Svoc :			0.58		
			Total Concentration:			0.58		
Client ID :	IW-03-55-040125							
Q1697-05	IW-03-55-040125	WATER	1,4-Dioxane	0.620		0.07	0.2	ug/L
			Total Svoc :			0.62		
			Total Concentration:			0.62		



SAMPLE DATA

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	04/01/25
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	04/01/25
Client Sample ID:	MW-19B-72-040125	SDG No.:	Q1697
Lab Sample ID:	Q1697-01	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN036820.D	1	04/02/25 14:40	04/03/25 13:37	PB167430

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	6.60	E	0.070	0.21	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.33		30 (20) - 150 (139)	81%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.42		30 (30) - 150 (150)	104%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.27		30 (27) - 130 (154)	68%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.31		30 (25) - 130 (149)	77%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.44		30 (54) - 130 (175)	110%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	3190	7.696			
1146-65-2	Naphthalene-d8	7700	10.477			
15067-26-2	Acenaphthene-d10	4530	14.334			
1517-22-2	Phenanthrene-d10	9510	17.074			
1719-03-5	Chrysene-d12	8070	21.268			
1520-96-3	Perylene-d12	7150	23.513			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	04/01/25
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	04/01/25
Client Sample ID:	MW-19B-72-040125DL	SDG No.:	Q1697
Lab Sample ID:	Q1697-01DL	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN036825.D	2	04/02/25 14:40	04/03/25 16:38	PB167430

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	6.90	D	0.14	0.41	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.29		30 (20) - 150 (139)	72%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.38		30 (30) - 150 (150)	96%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.26		30 (27) - 130 (154)	65%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.28		30 (25) - 130 (149)	70%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.37		30 (54) - 130 (175)	93%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2050	7.695			
1146-65-2	Naphthalene-d8	4980	10.477			
15067-26-2	Acenaphthene-d10	2880	14.334			
1517-22-2	Phenanthrene-d10	6200	17.086			
1719-03-5	Chrysene-d12	5510	21.277			
1520-96-3	Perylene-d12	5290	23.513			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	04/01/25
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	04/01/25
Client Sample ID:	IW-01-55-040125	SDG No.:	Q1697
Lab Sample ID:	Q1697-02	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN036821.D	1	04/02/25 14:40	04/03/25 14:13	PB167430

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	0.91		0.070	0.20	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.31		30 (20) - 150 (139)	78%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.44		30 (30) - 150 (150)	110%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.28		30 (27) - 130 (154)	71%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.31		30 (25) - 130 (149)	76%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.44		30 (54) - 130 (175)	109%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2300	7.695			
1146-65-2	Naphthalene-d8	5540	10.477			
15067-26-2	Acenaphthene-d10	3190	14.334			
1517-22-2	Phenanthrene-d10	6840	17.086			
1719-03-5	Chrysene-d12	5990	21.277			
1520-96-3	Perylene-d12	5470	23.516			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	04/01/25
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	04/01/25
Client Sample ID:	IW-02-55-040125	SDG No.:	Q1697
Lab Sample ID:	Q1697-03	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN036822.D	1	04/02/25 14:40	04/03/25 14:49	PB167430

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	0.77		0.070	0.21	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.35		30 (20) - 150 (139)	87%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.45		30 (30) - 150 (150)	113%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.34		30 (27) - 130 (154)	84%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.35		30 (25) - 130 (149)	88%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.40		30 (54) - 130 (175)	100%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2470	7.695			
1146-65-2	Naphthalene-d8	5940	10.477			
15067-26-2	Acenaphthene-d10	3300	14.334			
1517-22-2	Phenanthrene-d10	6930	17.086			
1719-03-5	Chrysene-d12	6220	21.277			
1520-96-3	Perylene-d12	5860	23.516			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	04/01/25
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	04/01/25
Client Sample ID:	IW-02-55-040125-FD	SDG No.:	Q1697
Lab Sample ID:	Q1697-04	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN036823.D	1	04/02/25 14:40	04/03/25 15:25	PB167430

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	0.58		0.070	0.21	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.27		30 (20) - 150 (139)	66%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.43		30 (30) - 150 (150)	107%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.26		30 (27) - 130 (154)	65%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.30		30 (25) - 130 (149)	75%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.39		30 (54) - 130 (175)	98%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2220	7.695			
1146-65-2	Naphthalene-d8	5350	10.477			
15067-26-2	Acenaphthene-d10	2810	14.334			
1517-22-2	Phenanthrene-d10	5770	17.086			
1719-03-5	Chrysene-d12	4950	21.277			
1520-96-3	Perylene-d12	4670	23.513			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	04/01/25
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	04/01/25
Client Sample ID:	IW-03-55-040125	SDG No.:	Q1697
Lab Sample ID:	Q1697-05	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN036824.D	1	04/02/25 14:40	04/03/25 16:01	PB167430

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	0.62		0.070	0.20	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.31		30 (20) - 150 (139)	77%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.46		30 (30) - 150 (150)	115%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.30		30 (27) - 130 (154)	75%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.32		30 (25) - 130 (149)	81%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.53	*	30 (54) - 130 (175)	133%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2110	7.695			
1146-65-2	Naphthalene-d8	5010	10.477			
15067-26-2	Acenaphthene-d10	2860	14.334			
1517-22-2	Phenanthrene-d10	6080	17.074			
1719-03-5	Chrysene-d12	5690	21.277			
1520-96-3	Perylene-d12	5490	23.513			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

LAB CHRONICLE

OrderID:	Q1697	OrderDate:	4/2/2025 10:31:00 AM
Client:	JACOBS Engineering Group, Inc.	Project:	Former Schlumberger STC PTC Site # D3868221
Contact:	John Ynfante	Location:	I31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1697-01	MW-19B-72-040125	Water	SVOC-SIMGroup1	8270-Modified	04/01/25	04/02/25	04/03/25	04/01/25
Q1697-01DL	MW-19B-72-040125D L	Water	SVOC-SIMGroup1	8270-Modified	04/01/25	04/02/25	04/03/25	04/01/25
Q1697-02	IW-01-55-040125	Water	SVOC-SIMGroup1	8270-Modified	04/01/25	04/02/25	04/03/25	04/01/25
Q1697-03	IW-02-55-040125	Water	SVOC-SIMGroup1	8270-Modified	04/01/25	04/02/25	04/03/25	04/01/25
Q1697-04	IW-02-55-040125-FD	Water	SVOC-SIMGroup1	8270-Modified	04/01/25	04/02/25	04/03/25	04/01/25
Q1697-05	IW-03-55-040125	Water	SVOC-SIMGroup1	8270-Modified	04/01/25	04/02/25	04/03/25	04/01/25

Hit Summary Sheet SW-846

SDG No.: Q1697 **Order ID:** Q1697
Client: JACOBS Engineering Group, Inc. **Project ID:** Former Schlumberger STC PTC Site D386

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : MW-19B-72-040125								
Q1697-01	MW-19B-72-040125	Water	Aluminum	13.7	J	1.94	20.0	ug/L
Q1697-01	MW-19B-72-040125	Water	Arsenic	0.28	J	0.089	1.00	ug/L
Q1697-01	MW-19B-72-040125	Water	Barium	619		0.21	10.0	ug/L
Q1697-01	MW-19B-72-040125	Water	Chromium	0.25	J	0.21	2.00	ug/L
Q1697-01	MW-19B-72-040125	Water	Iron	11500		7.81	50.0	ug/L
Q1697-01	MW-19B-72-040125	Water	Magnesium	13200		19.5	500	ug/L
Q1697-01	MW-19B-72-040125	Water	Manganese	644		0.43	1.00	ug/L
Q1697-01	MW-19B-72-040125	Water	Potassium	6870		36.4	500	ug/L
Q1697-01	MW-19B-72-040125	Water	Sodium	10200		128	500	ug/L
Client ID : IW-01-55-040125								
Q1697-02	IW-01-55-040125	Water	Aluminum	97.2		1.94	20.0	ug/L
Q1697-02	IW-01-55-040125	Water	Arsenic	0.42	J	0.089	1.00	ug/L
Q1697-02	IW-01-55-040125	Water	Barium	316		0.21	10.0	ug/L
Q1697-02	IW-01-55-040125	Water	Chromium	1.64	J	0.21	2.00	ug/L
Q1697-02	IW-01-55-040125	Water	Copper	0.73	J	0.30	2.00	ug/L
Q1697-02	IW-01-55-040125	Water	Iron	5700		7.81	50.0	ug/L
Q1697-02	IW-01-55-040125	Water	Magnesium	8550		19.5	500	ug/L
Q1697-02	IW-01-55-040125	Water	Manganese	596		0.43	1.00	ug/L
Q1697-02	IW-01-55-040125	Water	Potassium	6990		36.4	500	ug/L
Q1697-02	IW-01-55-040125	Water	Sodium	8590		128	500	ug/L
Client ID : IW-02-55-040125								
Q1697-03	IW-02-55-040125	Water	Aluminum	68.5		1.94	20.0	ug/L
Q1697-03	IW-02-55-040125	Water	Arsenic	0.39	J	0.089	1.00	ug/L
Q1697-03	IW-02-55-040125	Water	Barium	293		0.21	10.0	ug/L
Q1697-03	IW-02-55-040125	Water	Chromium	0.47	J	0.21	2.00	ug/L
Q1697-03	IW-02-55-040125	Water	Iron	5390		7.81	50.0	ug/L
Q1697-03	IW-02-55-040125	Water	Magnesium	8440		19.5	500	ug/L
Q1697-03	IW-02-55-040125	Water	Manganese	597		0.43	1.00	ug/L
Q1697-03	IW-02-55-040125	Water	Potassium	6920		36.4	500	ug/L
Q1697-03	IW-02-55-040125	Water	Sodium	6890		128	500	ug/L
Client ID : IW-02-55-040125-FD								
Q1697-04	IW-02-55-040125-FD	Water	Aluminum	70.8		1.94	20.0	ug/L
Q1697-04	IW-02-55-040125-FD	Water	Arsenic	0.39	J	0.089	1.00	ug/L
Q1697-04	IW-02-55-040125-FD	Water	Barium	303		0.21	10.0	ug/L
Q1697-04	IW-02-55-040125-FD	Water	Chromium	0.86	J	0.21	2.00	ug/L

Hit Summary Sheet SW-846

SDG No.:	Q1697	Order ID:	Q1697
Client:	JACOBS Engineering Group, Inc.	Project ID:	Former Schlumberger STC PTC Site D386

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q1697-04	IW-02-55-040125-FD	Water	Iron	5440		7.81	50.0	ug/L
Q1697-04	IW-02-55-040125-FD	Water	Magnesium	8590		19.5	500	ug/L
Q1697-04	IW-02-55-040125-FD	Water	Manganese	602		0.43	1.00	ug/L
Q1697-04	IW-02-55-040125-FD	Water	Potassium	7150		36.4	500	ug/L
Q1697-04	IW-02-55-040125-FD	Water	Sodium	6930		128	500	ug/L
Client ID : IW-03-55-040125								
Q1697-05	IW-03-55-040125	Water	Aluminum	70.4		1.94	20.0	ug/L
Q1697-05	IW-03-55-040125	Water	Arsenic	0.41	J	0.089	1.00	ug/L
Q1697-05	IW-03-55-040125	Water	Barium	295		0.21	10.0	ug/L
Q1697-05	IW-03-55-040125	Water	Chromium	2.42		0.21	2.00	ug/L
Q1697-05	IW-03-55-040125	Water	Iron	5960		7.81	50.0	ug/L
Q1697-05	IW-03-55-040125	Water	Lead	0.32	J	0.21	1.00	ug/L
Q1697-05	IW-03-55-040125	Water	Magnesium	8260		19.5	500	ug/L
Q1697-05	IW-03-55-040125	Water	Manganese	651		0.43	1.00	ug/L
Q1697-05	IW-03-55-040125	Water	Potassium	6810		36.4	500	ug/L
Q1697-05	IW-03-55-040125	Water	Sodium	6490		128	500	ug/L
Client ID : MW-19B-72-040125								
Q1697-13	MW-19B-72-040125	Water	Iron	11600		7.81	50.0	ug/L
Client ID : IW-01-55-040125								
Q1697-14	IW-01-55-040125	Water	Iron	5170		7.81	50.0	ug/L
Client ID : IW-02-55-040125								
Q1697-15	IW-02-55-040125	Water	Iron	5210		7.81	50.0	ug/L
Client ID : IW-02-55-040125-FD								
Q1697-16	IW-02-55-040125-FD	Water	Iron	5210		7.81	50.0	ug/L
Client ID : IW-03-55-040125								
Q1697-17	IW-03-55-040125	Water	Iron	5760		7.81	50.0	ug/L



SAMPLE DATA

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	04/01/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	04/01/25
Client Sample ID:	MW-19B-72-040125	SDG No.:	Q1697
Lab Sample ID:	Q1697-01	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	13.7	J	1	1.94	20.0	ug/L	04/03/25 09:15	04/03/25 16:52	SW6020	3010A
7440-36-0	Antimony	0.11	U	1	0.11	2.00	ug/L	04/03/25 09:15	04/03/25 16:52	SW6020	3010A
7440-38-2	Arsenic	0.28	JN	1	0.089	1.00	ug/L	04/03/25 09:15	04/03/25 16:52	SW6020	3010A
7440-39-3	Barium	619		1	0.21	10.0	ug/L	04/03/25 09:15	04/03/25 16:52	SW6020	3010A
7440-41-7	Beryllium	0.32	U	1	0.32	1.00	ug/L	04/03/25 09:15	04/03/25 16:52	SW6020	3010A
7440-43-9	Cadmium	0.34	U	1	0.34	1.00	ug/L	04/03/25 09:15	04/03/25 16:52	SW6020	3010A
7440-47-3	Chromium	0.25	J	1	0.21	2.00	ug/L	04/03/25 09:15	04/03/25 16:52	SW6020	3010A
7440-50-8	Copper	0.30	U	1	0.30	2.00	ug/L	04/03/25 09:15	04/03/25 16:52	SW6020	3010A
7439-89-6	Iron	11500		1	7.81	50.0	ug/L	04/03/25 09:15	04/03/25 16:52	SW6020	3010A
7439-92-1	Lead	0.21	U	1	0.21	1.00	ug/L	04/03/25 09:15	04/03/25 16:52	SW6020	3010A
7439-95-4	Magnesium	13200		1	19.5	500	ug/L	04/03/25 09:15	04/03/25 16:52	SW6020	3010A
7439-96-5	Manganese	644		1	0.43	1.00	ug/L	04/03/25 09:15	04/03/25 16:52	SW6020	3010A
7440-09-7	Potassium	6870	N	1	36.4	500	ug/L	04/03/25 09:15	04/03/25 16:52	SW6020	3010A
7782-49-2	Selenium	2.90	U	1	2.90	5.00	ug/L	04/03/25 09:15	04/03/25 16:52	SW6020	3010A
7440-23-5	Sodium	10200		1	128	500	ug/L	04/03/25 09:15	04/03/25 16:52	SW6020	3010A

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	Metals Group4			

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

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	04/01/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	04/01/25
Client Sample ID:	IW-01-55-040125	SDG No.:	Q1697
Lab Sample ID:	Q1697-02	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	97.2		1	1.94	20.0	ug/L	04/03/25 09:15	04/03/25 16:56	SW6020	3010A
7440-36-0	Antimony	0.11	U	1	0.11	2.00	ug/L	04/03/25 09:15	04/03/25 16:56	SW6020	3010A
7440-38-2	Arsenic	0.42	JN	1	0.089	1.00	ug/L	04/03/25 09:15	04/03/25 16:56	SW6020	3010A
7440-39-3	Barium	316		1	0.21	10.0	ug/L	04/03/25 09:15	04/03/25 16:56	SW6020	3010A
7440-41-7	Beryllium	0.32	U	1	0.32	1.00	ug/L	04/03/25 09:15	04/03/25 16:56	SW6020	3010A
7440-43-9	Cadmium	0.34	U	1	0.34	1.00	ug/L	04/03/25 09:15	04/03/25 16:56	SW6020	3010A
7440-47-3	Chromium	1.64	J	1	0.21	2.00	ug/L	04/03/25 09:15	04/03/25 16:56	SW6020	3010A
7440-50-8	Copper	0.73	J	1	0.30	2.00	ug/L	04/03/25 09:15	04/03/25 16:56	SW6020	3010A
7439-89-6	Iron	5700		1	7.81	50.0	ug/L	04/03/25 09:15	04/03/25 16:56	SW6020	3010A
7439-92-1	Lead	0.21	U	1	0.21	1.00	ug/L	04/03/25 09:15	04/03/25 16:56	SW6020	3010A
7439-95-4	Magnesium	8550		1	19.5	500	ug/L	04/03/25 09:15	04/03/25 16:56	SW6020	3010A
7439-96-5	Manganese	596		1	0.43	1.00	ug/L	04/03/25 09:15	04/03/25 16:56	SW6020	3010A
7440-09-7	Potassium	6990	N	1	36.4	500	ug/L	04/03/25 09:15	04/03/25 16:56	SW6020	3010A
7782-49-2	Selenium	2.90	U	1	2.90	5.00	ug/L	04/03/25 09:15	04/03/25 16:56	SW6020	3010A
7440-23-5	Sodium	8590		1	128	500	ug/L	04/03/25 09:15	04/03/25 16:56	SW6020	3010A

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	Metals Group4			

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 D = Dilution
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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:	04/01/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	04/01/25
Client Sample ID:	IW-02-55-040125	SDG No.:	Q1697
Lab Sample ID:	Q1697-03	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	68.5		1	1.94	20.0	ug/L	04/03/25 09:15	04/03/25 16:59	SW6020	3010A
7440-36-0	Antimony	0.11	U	1	0.11	2.00	ug/L	04/03/25 09:15	04/03/25 16:59	SW6020	3010A
7440-38-2	Arsenic	0.39	JN	1	0.089	1.00	ug/L	04/03/25 09:15	04/03/25 16:59	SW6020	3010A
7440-39-3	Barium	293		1	0.21	10.0	ug/L	04/03/25 09:15	04/03/25 16:59	SW6020	3010A
7440-41-7	Beryllium	0.32	U	1	0.32	1.00	ug/L	04/03/25 09:15	04/03/25 16:59	SW6020	3010A
7440-43-9	Cadmium	0.34	U	1	0.34	1.00	ug/L	04/03/25 09:15	04/03/25 16:59	SW6020	3010A
7440-47-3	Chromium	0.47	J	1	0.21	2.00	ug/L	04/03/25 09:15	04/03/25 16:59	SW6020	3010A
7440-50-8	Copper	0.30	U	1	0.30	2.00	ug/L	04/03/25 09:15	04/03/25 16:59	SW6020	3010A
7439-89-6	Iron	5390		1	7.81	50.0	ug/L	04/03/25 09:15	04/03/25 16:59	SW6020	3010A
7439-92-1	Lead	0.21	U	1	0.21	1.00	ug/L	04/03/25 09:15	04/03/25 16:59	SW6020	3010A
7439-95-4	Magnesium	8440		1	19.5	500	ug/L	04/03/25 09:15	04/03/25 16:59	SW6020	3010A
7439-96-5	Manganese	597		1	0.43	1.00	ug/L	04/03/25 09:15	04/03/25 16:59	SW6020	3010A
7440-09-7	Potassium	6920	N	1	36.4	500	ug/L	04/03/25 09:15	04/03/25 16:59	SW6020	3010A
7782-49-2	Selenium	2.90	U	1	2.90	5.00	ug/L	04/03/25 09:15	04/03/25 16:59	SW6020	3010A
7440-23-5	Sodium	6890		1	128	500	ug/L	04/03/25 09:15	04/03/25 16:59	SW6020	3010A

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	Metals Group4			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

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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:	04/01/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	04/01/25
Client Sample ID:	IW-02-55-040125-FD	SDG No.:	Q1697
Lab Sample ID:	Q1697-04	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	70.8		1	1.94	20.0	ug/L	04/03/25 09:15	04/03/25 17:02	SW6020	3010A
7440-36-0	Antimony	0.11	U	1	0.11	2.00	ug/L	04/03/25 09:15	04/03/25 17:02	SW6020	3010A
7440-38-2	Arsenic	0.39	JN	1	0.089	1.00	ug/L	04/03/25 09:15	04/03/25 17:02	SW6020	3010A
7440-39-3	Barium	303		1	0.21	10.0	ug/L	04/03/25 09:15	04/03/25 17:02	SW6020	3010A
7440-41-7	Beryllium	0.32	U	1	0.32	1.00	ug/L	04/03/25 09:15	04/03/25 17:02	SW6020	3010A
7440-43-9	Cadmium	0.34	U	1	0.34	1.00	ug/L	04/03/25 09:15	04/03/25 17:02	SW6020	3010A
7440-47-3	Chromium	0.86	J	1	0.21	2.00	ug/L	04/03/25 09:15	04/03/25 17:02	SW6020	3010A
7440-50-8	Copper	0.30	U	1	0.30	2.00	ug/L	04/03/25 09:15	04/03/25 17:02	SW6020	3010A
7439-89-6	Iron	5440		1	7.81	50.0	ug/L	04/03/25 09:15	04/03/25 17:02	SW6020	3010A
7439-92-1	Lead	0.21	U	1	0.21	1.00	ug/L	04/03/25 09:15	04/03/25 17:02	SW6020	3010A
7439-95-4	Magnesium	8590		1	19.5	500	ug/L	04/03/25 09:15	04/03/25 17:02	SW6020	3010A
7439-96-5	Manganese	602		1	0.43	1.00	ug/L	04/03/25 09:15	04/03/25 17:02	SW6020	3010A
7440-09-7	Potassium	7150	N	1	36.4	500	ug/L	04/03/25 09:15	04/03/25 17:02	SW6020	3010A
7782-49-2	Selenium	2.90	U	1	2.90	5.00	ug/L	04/03/25 09:15	04/03/25 17:02	SW6020	3010A
7440-23-5	Sodium	6930		1	128	500	ug/L	04/03/25 09:15	04/03/25 17:02	SW6020	3010A

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	Metals Group4			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
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J = Estimated Value
B = Analyte Found in Associated Method Blank
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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:	04/01/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	04/01/25
Client Sample ID:	IW-03-55-040125	SDG No.:	Q1697
Lab Sample ID:	Q1697-05	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	70.4		1	1.94	20.0	ug/L	04/03/25 09:15	04/03/25 17:29	SW6020	3010A
7440-36-0	Antimony	0.11	U	1	0.11	2.00	ug/L	04/03/25 09:15	04/03/25 17:29	SW6020	3010A
7440-38-2	Arsenic	0.41	JN	1	0.089	1.00	ug/L	04/03/25 09:15	04/03/25 17:29	SW6020	3010A
7440-39-3	Barium	295		1	0.21	10.0	ug/L	04/03/25 09:15	04/03/25 17:29	SW6020	3010A
7440-41-7	Beryllium	0.32	U	1	0.32	1.00	ug/L	04/03/25 09:15	04/03/25 17:29	SW6020	3010A
7440-43-9	Cadmium	0.34	U	1	0.34	1.00	ug/L	04/03/25 09:15	04/03/25 17:29	SW6020	3010A
7440-47-3	Chromium	2.42		1	0.21	2.00	ug/L	04/03/25 09:15	04/03/25 17:29	SW6020	3010A
7440-50-8	Copper	0.30	U	1	0.30	2.00	ug/L	04/03/25 09:15	04/03/25 17:29	SW6020	3010A
7439-89-6	Iron	5960		1	7.81	50.0	ug/L	04/03/25 09:15	04/03/25 17:29	SW6020	3010A
7439-92-1	Lead	0.32	J	1	0.21	1.00	ug/L	04/03/25 09:15	04/03/25 17:29	SW6020	3010A
7439-95-4	Magnesium	8260		1	19.5	500	ug/L	04/03/25 09:15	04/03/25 17:29	SW6020	3010A
7439-96-5	Manganese	651		1	0.43	1.00	ug/L	04/03/25 09:15	04/03/25 17:29	SW6020	3010A
7440-09-7	Potassium	6810	N	1	36.4	500	ug/L	04/03/25 09:15	04/03/25 17:29	SW6020	3010A
7782-49-2	Selenium	2.90	U	1	2.90	5.00	ug/L	04/03/25 09:15	04/03/25 17:29	SW6020	3010A
7440-23-5	Sodium	6490		1	128	500	ug/L	04/03/25 09:15	04/03/25 17:29	SW6020	3010A

Color Before:	Brown	Clarity Before:	Clear	Texture:
Color After:	Light Brown	Clarity After:	Clear	Artifacts:
Comments:	Metals Group4			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	04/01/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	04/01/25
Client Sample ID:	MW-19B-72-040125	SDG No.:	Q1697
Lab Sample ID:	Q1697-13	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7439-89-6	Iron	11600	1	7.81		50.0	ug/L	04/03/25 09:15	04/03/25 17:32	SW6020	3010A

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	Dissolved Metals Group3			

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

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	04/01/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	04/01/25
Client Sample ID:	IW-01-55-040125	SDG No.:	Q1697
Lab Sample ID:	Q1697-14	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7439-89-6	Iron	5170	1	7.81		50.0	ug/L	04/03/25 09:15	04/03/25 17:35	SW6020	3010A

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	Dissolved Metals Group3			

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

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	04/01/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	04/01/25
Client Sample ID:	IW-02-55-040125	SDG No.:	Q1697
Lab Sample ID:	Q1697-15	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7439-89-6	Iron	5210	1	7.81		50.0	ug/L	04/03/25 09:15	04/03/25 17:38	SW6020	3010A

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	Dissolved Metals Group3			

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

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	04/01/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	04/01/25
Client Sample ID:	IW-02-55-040125-FD	SDG No.:	Q1697
Lab Sample ID:	Q1697-16	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7439-89-6	Iron	5210	1	7.81		50.0	ug/L	04/03/25 09:15	04/03/25 17:42	SW6020	3010A

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	Dissolved Metals Group3			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N = Spiked sample recovery not within control limits

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	04/01/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	04/01/25
Client Sample ID:	IW-03-55-040125	SDG No.:	Q1697
Lab Sample ID:	Q1697-17	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7439-89-6	Iron	5760	1	7.81		50.0	ug/L	04/03/25 09:15	04/03/25 17:45	SW6020	3010A

Color Before:	Brown	Clarity Before:	Clear	Texture:
Color After:	Light Brown	Clarity After:	Clear	Artifacts:
Comments:	Dissolved Metals Group3			

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

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 B = Analyte Found in Associated Method Blank
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 OR = Over Range
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LAB CHRONICLE

OrderID:	Q1697	OrderDate:	4/2/2025 10:31:00 AM
Client:	JACOBS Engineering Group, Inc.	Project:	Former Schlumberger STC PTC Site D3868221
Contact:	John Ynfante	Location:	I31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1697-01	MW-19B-72-040125	Water	Metals Group4	6020B	04/01/25	04/03/25	04/03/25	04/01/25
Q1697-02	IW-01-55-040125	Water	Metals Group4	6020B	04/01/25	04/03/25	04/03/25	04/01/25
Q1697-03	IW-02-55-040125	Water	Metals Group4	6020B	04/01/25	04/03/25	04/03/25	04/01/25
Q1697-04	IW-02-55-040125-FD	Water	Metals Group4	6020B	04/01/25	04/03/25	04/03/25	04/01/25
Q1697-05	IW-03-55-040125	Water	Metals Group4	6020B	04/01/25	04/03/25	04/03/25	04/01/25
Q1697-13	MW-19B-72-040125	Water	Dissolved ICP-Group2	6020B	04/01/25	04/03/25	04/03/25	04/01/25
Q1697-14	IW-01-55-040125	Water	Dissolved ICP-Group2	6020B	04/01/25	04/03/25	04/03/25	04/01/25
Q1697-15	IW-02-55-040125	Water	Dissolved ICP-Group2	6020B	04/01/25	04/03/25	04/03/25	04/01/25
Q1697-16	IW-02-55-040125-FD	Water	Dissolved ICP-Group2	6020B	04/01/25	04/03/25	04/03/25	04/01/25
Q1697-17	IW-03-55-040125	Water	Dissolved ICP-Group2	6020B	04/01/25	04/03/25	04/03/25	04/01/25



SAMPLE DATA

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	04/01/25 12:15
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	04/01/25
Client Sample ID:	MW-19B-72-040125	SDG No.:	Q1697
Lab Sample ID:	Q1697-01	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Alkalinity	82.8		1	1.00	2.00	mg/L		04/02/25 15:27	SM 2320 B-11
Chloride	84.1	OR	1	0.19	0.60	mg/L		04/02/25 11:38	9056A
Nitrate	0.095	U	1	0.095	0.50	mg/L		04/02/25 11:38	9056A
Sulfate	6.60		1	0.46	3.00	mg/L		04/02/25 11:38	9056A
TDS	241		1	1.00	10.0	mg/L		04/02/25 12:30	SM 2540 C-15

Comments: The alkalinity to pH 4.41=82.8 mg CaCO₃/L

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:	04/01/25 12:15
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	04/01/25
Client Sample ID:	MW-19B-72-040125DL	SDG No.:	Q1697
Lab Sample ID:	Q1697-01DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Chloride	65.8	D	20	3.80	12.0	mg/L		04/02/25 14:09	9056A

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:	04/01/25 12:30
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	04/01/25
Client Sample ID:	IW-01-55-040125	SDG No.:	Q1697
Lab Sample ID:	Q1697-02	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Alkalinity	79.6		1	1.00	2.00	mg/L		04/02/25 15:36	SM 2320 B-11
Chloride	13.3	OR	1	0.19	0.60	mg/L		04/02/25 12:00	9056A
Nitrate	0.095	U	1	0.095	0.50	mg/L		04/02/25 12:00	9056A
Sulfate	12.7		1	0.46	3.00	mg/L		04/02/25 12:00	9056A
TDS	145		1	1.00	10.0	mg/L		04/02/25 12:30	SM 2540 C-15

Comments: The alkalinity to pH 4.32=79.6 mg CaCO₃/L

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:	04/01/25 12:30
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	04/01/25
Client Sample ID:	IW-01-55-040125DL	SDG No.:	Q1697
Lab Sample ID:	Q1697-02DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Chloride	12.1	D	5	0.95	3.00	mg/L		04/02/25 15:14	9056A

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:	04/01/25 15:05
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	04/01/25
Client Sample ID:	IW-02-55-040125	SDG No.:	Q1697
Lab Sample ID:	Q1697-03	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Alkalinity	83.3		1	1.00	2.00	mg/L		04/02/25 15:41	SM 2320 B-11
Chloride	13.7	OR	1	0.19	0.60	mg/L		04/02/25 12:21	9056A
Nitrate	0.095	U	1	0.095	0.50	mg/L		04/02/25 12:21	9056A
Sulfate	6.30		1	0.46	3.00	mg/L		04/02/25 12:21	9056A
TDS	167		1	1.00	10.0	mg/L		04/02/25 12:30	SM 2540 C-15

Comments: The alkalinity to pH 4.37=83.3 mg CaCO₃/L

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:	04/01/25 15:05
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	04/01/25
Client Sample ID:	IW-02-55-040125DL	SDG No.:	Q1697
Lab Sample ID:	Q1697-03DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Chloride	13.0	D	5	0.95	3.00	mg/L		04/02/25 15:35	9056A

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:	04/01/25 15:10
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	04/01/25
Client Sample ID:	IW-02-55-040125-FD	SDG No.:	Q1697
Lab Sample ID:	Q1697-04	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Alkalinity	81.7		1	1.00	2.00	mg/L		04/02/25 15:45	SM 2320 B-11
Chloride	14.1	OR	1	0.19	0.60	mg/L		04/02/25 12:43	9056A
Nitrate	0.095	U	1	0.095	0.50	mg/L		04/02/25 12:43	9056A
Sulfate	6.30		1	0.46	3.00	mg/L		04/02/25 12:43	9056A
TDS	158		1	1.00	10.0	mg/L		04/02/25 12:30	SM 2540 C-15

Comments: The alkalinity to pH 4.35=81.7 mg CaCO3/L

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:	04/01/25 15:10
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	04/01/25
Client Sample ID:	IW-02-55-040125-FDDL	SDG No.:	Q1697
Lab Sample ID:	Q1697-04DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Chloride	12.9	D	5	0.95	3.00	mg/L		04/02/25 15:57	9056A

Comments: _____

U = Not Detected
LOQ = Limit of Quantitation
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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:	04/01/25 15:30
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	04/01/25
Client Sample ID:	IW-03-55-040125	SDG No.:	Q1697
Lab Sample ID:	Q1697-05	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Alkalinity	80.7		1	1.00	2.00	mg/L		04/02/25 15:49	SM 2320 B-11
Chloride	13.7	OR	1	0.19	0.60	mg/L		04/02/25 13:05	9056A
Nitrate	0.095	U	1	0.095	0.50	mg/L		04/02/25 13:05	9056A
Sulfate	3.60		1	0.46	3.00	mg/L		04/02/25 13:05	9056A
TDS	87.0		1	1.00	10.0	mg/L		04/02/25 12:30	SM 2540 C-15

Comments: The alkalinity to pH 4.34=80.7 mg CaCO₃/L

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:	04/01/25 15:30
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	04/01/25
Client Sample ID:	IW-03-55-040125DL	SDG No.:	Q1697
Lab Sample ID:	Q1697-05DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Chloride	12.5	D	5	0.95	3.00	mg/L		04/02/25 16:18	9056A

Comments: _____

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LOQ = Limit of Quantitation
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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
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OR = Over Range
N = Spiked sample recovery not within control limits

LAB CHRONICLE

OrderID:	Q1697	OrderDate:	4/2/2025 10:31:00 AM
Client:	JACOBS Engineering Group, Inc.	Project:	Former Schlumberger STC PTC Site # D3868221
Contact:	John Ynfante	Location:	I31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1697-01	MW-19B-72-040125	WATER			04/01/25 12:15			04/01/25
			Alkalinity	SM2320 B			04/02/25 15:27	
			Anions Group1	9056A			04/02/25 11:38	
			TDS	SM2540 C			04/02/25 12:30	
Q1697-01DL	MW-19B-72-040125D L	WATER			04/01/25 12:15			04/01/25
			Anions Group1	9056A			04/02/25 14:09	
Q1697-02	IW-01-55-040125	WATER			04/01/25 12:30			04/01/25
			Alkalinity	SM2320 B			04/02/25 15:36	
			Anions Group1	9056A			04/02/25 12:00	
			TDS	SM2540 C			04/02/25 12:30	
Q1697-02DL	IW-01-55-040125DL	WATER			04/01/25 12:30			04/01/25
			Anions Group1	9056A			04/02/25 15:14	
Q1697-03	IW-02-55-040125	WATER			04/01/25 15:05			04/01/25
			Alkalinity	SM2320 B			04/02/25 15:41	

LAB CHRONICLE

			Anions Group1	9056A	04/02/25 12:21		
			TDS	SM2540 C	04/02/25 12:30		
Q1697-03DL	IW-02-55-040125DL	WATER			04/01/25 15:05		04/01/25
			Anions Group1	9056A	04/02/25 15:35		
Q1697-04	IW-02-55-040125-FD	WATER			04/01/25 15:10		04/01/25
			Alkalinity	SM2320 B	04/02/25 15:45		
			Anions Group1	9056A	04/02/25 12:43		
			TDS	SM2540 C	04/02/25 12:30		
Q1697-04DL	IW-02-55-040125-FD DL	WATER			04/01/25 15:10		04/01/25
			Anions Group1	9056A	04/02/25 15:57		
Q1697-05	IW-03-55-040125	WATER			04/01/25 15:30		04/01/25
			Alkalinity	SM2320 B	04/02/25 15:49		
			Anions Group1	9056A	04/02/25 13:05		
			TDS	SM2540 C	04/02/25 12:30		
Q1697-05DL	IW-03-55-040125DL	WATER			04/01/25 15:30		04/01/25
			Anions Group1	9056A	04/02/25 16:18		



SHIPPING DOCUMENTS

CLIENT INFORMATION

CLIENT PROJECT INFORMATION

CLIENT BILLING INFORMATION

REPORT TO BE SENT TO:

COMPANY: Jacobs
ADDRESS: 412 Mt Kemble Ave Suite 100
CITY: Morris Plains NJ STATE: NJ ZIP: 07960
ATTENTION: John Yufante John.Yufante@Jacobs.com
PHONE: FAX:

PROJECT NAME: STC PTC
PROJECT NO.: D3868221 LOCATION: Princeton Junction
PROJECT MANAGER: Mary Murphy
e-mail: Mary.Murphy@Jacobs.com
PHONE: FAX:

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

DATA TURNAROUND INFORMATION

DATA DELIVERABLE INFORMATION

FAX (RUSH) Rush TAT (2 day) DAYS*
HARDCOPY (DATA PACKAGE): DAYS*
EDD: DAYS*

*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

☐ 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. Site Spec. VOCs (SU2320B)
2. 1.4 Discrete (SU2320B)
3. Total (SU2320B)
4. Dissolved Iron (SU2320B)
5. Alkalinity (SU2320B)
6. TDS (SU2320B)
7. Ammonia (SU2320B)
8. 9.

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS	
			COMP	GRAB	DATE	TIME		A/E	E	EB	E	E	E	E			Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER	
1.	MW-19B-72-040125	GW		✓	4/1/25	1215	9	✓	✓	✓	✓	✓	✓	✓			pH 1.6 / Dis pH 1.0	
2.	IW-01-55-040125	GW		✓	4/1/25	1230	9	✓	✓	✓	✓	✓	✓	✓				
3.	IW-02-55-040125	GW		✓	4/1/25	1505	9	✓	✓	✓	✓	✓	✓	✓			pH 10 + # BDA0441	
4.	IW-02-55-040125-FD	GW		✓	4/1/25	1510	9	✓	✓	✓	✓	✓	✓	✓				
5.	IW-03-55-040125	GW		✓	4/1/25	1530	9	✓	✓	✓	✓	✓	✓	✓				
6.	TB-01-040125	DI		✓	4/1/25	1550	2	✓									Dis. Samples preserved in Lab @ 12:25 on 4/2/25 and held for 18 hrs and will be released 4/3/25	
7.																		
8.																		
9.																		
10.																		

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

RELINQUISHED BY SAMPLER: 1. [Signature]	DATE/TIME: 1630 4/1/25	RECEIVED BY: 1. [Signature] 1630 4-1-25	Conditions of bottles or coolers at receipt: <input type="checkbox"/> COMPLIANT <input type="checkbox"/> NON COMPLIANT <input type="checkbox"/> COOLER TEMP: 23.3°C
RELINQUISHED BY SAMPLER: 2. [Signature]	DATE/TIME:	RECEIVED BY: 2. [Signature]	Comments: see work order for list of site specific VOCs Labels on sample bottles switched accidentally, bottles labeled diss iron are total metals + PO # 148064311 total metals are diss iron Temp 2.3°C Adjusted Factor +1 IR Gun #1
RELINQUISHED BY SAMPLER: 3. [Signature]	DATE/TIME: 1817 4-1-25	RECEIVED BY: 3. [Signature]	Page 1 of 2 CLIENT: <input type="checkbox"/> Hand Delivered <input type="checkbox"/> Other Shipment Complete <input type="checkbox"/> YES <input type="checkbox"/> NO

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: Jacobs
ADDRESS: 412 Mt Kemble Ave Suite 100
CITY: Morrisstown STATE: NJ ZIP: 07960
ATTENTION: John Yufante John.Yufante@Jacobs.com
PHONE: _____ FAX: _____

CLIENT PROJECT INFORMATION

PROJECT NAME: STC PTC
PROJECT NO.: D3808221 LOCATION: Princeton Junction
PROJECT MANAGER: Mary Murphy
e-mail: Mary.Murphy@Jacobs.com
PHONE: _____ FAX: _____

CLIENT BILLING INFORMATION

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

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) Rush TAT (2 Day) 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. Trace VOCs (SFM 10.1-5.1M)
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	A/E										← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER
			COMP	GRAB	DATE	TIME			1	2	3	4	5	6	7	8	9	
1.	MW-KB-72-040125-SIM	GW		✓	4/1/25	1215	2	✓										
2.																		
3.																		
4.																		
5.																		
6.																		
7.																		
8.																		
9.																		
10.																		

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

RELINQUISHED BY SAMPLER: 1. <u>[Signature]</u>	DATE/TIME: <u>4/1/25 1636</u>	RECEIVED BY: 1. <u>[Signature]</u> <u>4-1-25 1636</u>	Conditions of bottles or coolers at receipt: <input type="checkbox"/> COMPLIANT <input type="checkbox"/> NON COMPLIANT <input type="checkbox"/> COOLER TEMP <u>23.3, 3.0</u> °C
RELINQUISHED BY SAMPLER: 2. <u>[Signature]</u>	DATE/TIME: _____	RECEIVED BY: 2. <u>[Signature]</u>	Comments: <u>See work order for list of site specific vocs</u>
RELINQUISHED BY SAMPLER: 3. <u>[Signature]</u>	DATE/TIME: <u>4-1-25 1817</u>	RECEIVED BY: 3. <u>[Signature]</u>	PO# <u>108664311</u> Temp <u>23°C</u> (Adjusted Factor +1) IR Gun # <u>1</u>
Page <u>2</u> of <u>2</u>			CLIENT: <input type="checkbox"/> Hand Delivered <input type="checkbox"/> Other _____
			Shipment Complete <input type="checkbox"/> YES <input type="checkbox"/> NO

Laboratory Certification

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1697	JACO05	Order Date : 4/2/2025 10:31:00 AM	Project Mgr :
Client Name : JACOBS Engineering Grou		Project Name : Former Schlumberger STC	Report Type : Level 4
Client Contact : John Ynfante		Receive DateTime : 4/1/2025 6:17:00 PM	EDD Type : CH2MHILL
Invoice Name : JACOBS Engineering Grou		Purchase Order :	Hard Copy Date :
Invoice Contact : John Ynfante			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1697-01	MW-19B-72-040125	Water	04/01/2025	12:15					
					VOCMS Group3		8260-Low	2 Bus. Days	
Q1697-02	IW-01-55-040125	Water	04/01/2025	12:30					
					VOCMS Group3		8260-Low	2 Bus. Days	
Q1697-03	IW-02-55-040125	Water	04/01/2025	15:05					
					VOCMS Group3		8260-Low	2 Bus. Days	
Q1697-04	IW-02-55-040125-FD	Water	04/01/2025	15:10					
					VOCMS Group3		8260-Low	2 Bus. Days	
Q1697-05	IW-03-55-040125	Water	04/01/2025	15:30					
					VOCMS Group3		8260-Low	2 Bus. Days	
Q1697-06	TB-01-040125	Water	04/01/2025	15:50					
					VOCMS Group3		8260-Low	2 Bus. Days	
Q1697-07	MW-19B-72-040125-SIM	Water	04/01/2025	12:15					
					VOC-TRACE-SFAM		SFAM_VOCSIM	2 Bus. Days	

YG
04/04/2025

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1697	JACO05	Order Date : 4/2/2025 10:31:00 AM	Project Mgr :
Client Name : JACOBS Engineering Grou		Project Name : Former Schlumberger STC	Report Type : Level 4
Client Contact : John Ynfante		Receive DateTime : 4/1/2025 6:17:00 PM	EDD Type : CH2MHILL
Invoice Name : JACOBS Engineering Grou		Purchase Order :	Hard Copy Date :
Invoice Contact : John Ynfante			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
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Relinquished By :

[Signature]

Date / Time :

4/2/25 1125

Received By :

[Signature]

Date / Time :

04/02/25 11:25 *[Signature]*

Storage Area : VOA Refridgerator Room