

ANALYTICAL RESULTS SUMMARY

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 : Q1731

ATTENTION : John Ynfante



Laboratory Certification ID # 20012



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Cover Page

Order ID : Q1731

Project ID : Former Schlumberger STC PTC Site D3868221

Client : JACOBS Engineering Group, Inc.

Lab Sample Number

Q1731-01
Q1731-02
Q1731-03
Q1731-04
Q1731-05
Q1731-06
Q1731-07

Client Sample Number

RMW-01B-82-040325
RMW-04B-91-040325
RMW-01B-82-040325-FD
RMW-03B-90-040325
EB01-040325
EB01-040325
TB01-040325

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 9:19 am, Apr 15, 2025

Date: 4/11/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

DATA OF KNOWN QUALITY CONFORMANCE/NON-CONFORMANCE SUMMARY QUESTIONNAIRE

2

Laboratory Name : Alliance Technical Group LLC Client : JACOBS Engineering Group, Inc.
 Project Location : Princeton Junction, NJ Project Number : D3868221
 Laboratory Sample ID(s) : Q1731 Sampling Date(s) : 04/03/2025
 List DKQP Methods Used (e.g., 8260,8270, et Cetra) **6020B,8260-Low,8270-Modified,9056A,SM2320 B,SM2540 C**

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 type="checkbox"/> Yes <input checked="" 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."

CASE NARRATIVE

JACOBS Engineering Group, Inc.

Project Name: Former Schlumberger STC PTC Site D3868221

Project # N/A

Chemtech Project # Q1731

Test Name: VOCMS Group3

A. Number of Samples and Date of Receipt:

7 Water samples were received on 04/03/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Alkalinity, Anions Group1, Dissolved ICP-Group2, Dissolved Metals Group3, Metals Group4, SVOC-SIMGroup1, TDS 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 RMW-03B-90-040325 was diluted due to past history of this sample containing high amounts of compounds cis-1,2-Dichloroethene and Trichloroethene.

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.

Trip Blank was not provided with this set of samples.

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.

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 9:19 am, Apr 15, 2025

CASE NARRATIVE

JACOBS Engineering Group, Inc.

Project Name: Former Schlumberger STC PTC Site D3868221

Project # N/A

Chemtech Project # Q1731

Test Name: SVOC-SIMGroup1

A. Number of Samples and Date of Receipt:

7 Water samples were received on 04/03/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Alkalinity, Anions Group1, Dissolved ICP-Group2, Dissolved Metals Group3, Metals Group4, SVOC-SIMGroup1, TDS 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-Semi Volatiles 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 RMW-01B-82-040325 [Terphenyl-d14 - 173%] and RMW-03B-90-040325DL [Terphenyl-d14 - 145%], these compounds 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 met the requirements .

The Tuning criteria met requirements.

Sample RMW-03B-90-040325 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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APPROVED

By Nimisha Pandya, QA/QC Supervisor at 9:19 am, Apr 15, 2025

CASE NARRATIVE

JACOBS Engineering Group, Inc.

Project Name: Former Schlumberger STC PTC Site D3868221

Project # N/A

Chemtech Project # Q1731

Test Name: Metals Group4,Dissolved ICP-Group2

A. Number of Samples and Date of Receipt:

7 Water samples were received on 04/03/2025.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: Alkalinity, Anions Group1, Dissolved ICP-Group2, Dissolved Metals Group3, Metals Group4, SVOC-SIMGroup1, TDS 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 (MW-18B-56-040225DUP) analysis met criteria for all samples except for Manganese due to sample matrix interference.

The Matrix Spike (MW-18B-56-040225MS) analysis met criteria for all samples except for Arsenic and Potassium due to Chemical Interference during Digestion Process.

The Matrix Spike Duplicate (MW-18B-56-040225MSD) analysis met criteria for all samples except for Arsenic due to Chemical Interference during Digestion Process.

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: Sample Q1731-05 analyse as Total Metal and Q1731-06 analyse as Dissolve Metal.

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 9:19 am, Apr 15, 2025



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

CASE NARRATIVE

JACOBS Engineering Group, Inc.

Project Name: Former Schlumberger STC PTC Site D3868221

Project # N/A

Chemtech Project # Q1731

Test Name: Alkalinity,TDS,Anions Group1

A. Number of Samples and Date of Receipt:

7 Water samples were received on 04/03/2025.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: Alkalinity, Anions Group1, Dissolved ICP-Group2, Dissolved Metals Group3, Metals Group4, SVOC-SIMGroup1, TDS 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.

The Blank Spike met requirements for all samples.

The Duplicate analysis met criteria for all samples.

The Matrix Spike (MOD-FOR-LRSAMS) analysis met criteria for all samples except for Chloride due to matrix interference .

The Matrix Spike Duplicate (MOD-FOR-LRSAMSD) analysis met criteria for all samples except for Chloride due to matrix interference.

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

The Calibration met the requirements.

E. Additional Comments:

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APPROVED

By Nimisha Pandya, QA/QC Supervisor at 9:19 am, Apr 15, 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 #: Q1731

Completed

For thorough review, the report must have the following:

GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 04/11/2025

Hit Summary Sheet
SW-846

SDG No.: Q1731
Client: JACOBS Engineering Group, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	RMW-01B-82-040325							
Q1731-01	RMW-01B-82-0403	Water	Trichloroethene	0.36	J	0.090	1.00	ug/L
			Total Voc :	0.36				
			Total Concentration:	0.36				
Client ID:	RMW-03B-90-040325							
Q1731-04	RMW-03B-90-0403	Water	1,1-Dichloroethene	37.7	J	9.20	40.0	ug/L
Q1731-04	RMW-03B-90-0403	Water	cis-1,2-Dichloroethene	1200		7.60	40.0	ug/L
Q1731-04	RMW-03B-90-0403	Water	Trichloroethene	3400		3.70	40.0	ug/L
Q1731-04	RMW-03B-90-0403	Water	Tetrachloroethene	30.8	J	9.20	40.0	ug/L
			Total Voc :	4670				
			Total Concentration:	4670				



SAMPLE DATA

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	04/03/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	04/03/25
Client Sample ID:	RMW-01B-82-040325	SDG No.:	Q1731
Lab Sample ID:	Q1731-01	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
VX045620.D	1		04/07/25 11:46	VX040725

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	0.36	J	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	54.6		70 (74) - 130 (125)	109%	SPK: 50
1868-53-7	Dibromofluoromethane	52.4		70 (75) - 130 (124)	105%	SPK: 50
2037-26-5	Toluene-d8	51.1		70 (86) - 130 (113)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.3		70 (77) - 130 (121)	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	63400	5.544			
540-36-3	1,4-Difluorobenzene	123000	6.757			
3114-55-4	Chlorobenzene-d5	114000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	42400	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:	04/03/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	04/03/25
Client Sample ID:	RMW-04B-91-040325	SDG No.:	Q1731
Lab Sample ID:	Q1731-02	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
VX045621.D	1		04/07/25 12:09	VX040725

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	55.6		70 (74) - 130 (125)	111%	SPK: 50
1868-53-7	Dibromofluoromethane	52.1		70 (75) - 130 (124)	104%	SPK: 50
2037-26-5	Toluene-d8	51.4		70 (86) - 130 (113)	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.1		70 (77) - 130 (121)	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	61400	5.55			
540-36-3	1,4-Difluorobenzene	121000	6.757			
3114-55-4	Chlorobenzene-d5	111000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	42400	12.024			

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:	04/03/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	04/03/25
Client Sample ID:	RMW-01B-82-040325-FD	SDG No.:	Q1731
Lab Sample ID:	Q1731-03	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
VX045622.D	1		04/07/25 12:33	VX040725

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	55.3		70 (74) - 130 (125)	111%	SPK: 50
1868-53-7	Dibromofluoromethane	52.2		70 (75) - 130 (124)	104%	SPK: 50
2037-26-5	Toluene-d8	51.8		70 (86) - 130 (113)	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.4		70 (77) - 130 (121)	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	63000	5.55			
540-36-3	1,4-Difluorobenzene	123000	6.757			
3114-55-4	Chlorobenzene-d5	116000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	47600	12.018			

U = Not Detected

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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:	04/03/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	04/03/25
Client Sample ID:	RMW-03B-90-040325	SDG No.:	Q1731
Lab Sample ID:	Q1731-04	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
VX045619.D	40		04/07/25 11:23	VX040725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	10.4	U	10.4	40.0	ug/L
75-35-4	1,1-Dichloroethene	37.7	J	9.20	40.0	ug/L
75-34-3	1,1-Dichloroethane	9.20	U	9.20	40.0	ug/L
156-59-2	cis-1,2-Dichloroethene	1200		7.60	40.0	ug/L
71-55-6	1,1,1-Trichloroethane	8.00	U	8.00	40.0	ug/L
71-43-2	Benzene	6.00	U	6.00	40.0	ug/L
107-06-2	1,2-Dichloroethane	8.80	U	8.80	40.0	ug/L
79-01-6	Trichloroethene	3400		3.70	40.0	ug/L
79-00-5	1,1,2-Trichloroethane	8.40	U	8.40	40.0	ug/L
127-18-4	Tetrachloroethene	30.8	J	9.20	40.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.6		70 (74) - 130 (125)	107%	SPK: 50
1868-53-7	Dibromofluoromethane	51.9		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	52.1		70 (77) - 130 (121)	104%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	65000	5.55			
540-36-3	1,4-Difluorobenzene	127000	6.757			
3114-55-4	Chlorobenzene-d5	119000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	48500	12.018			

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	04/03/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	04/03/25
Client Sample ID:	EB01-040325	SDG No.:	Q1731
Lab Sample ID:	Q1731-05	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
VX045600.D	1		04/04/25 15:33	VX040425

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	55.3		70 (74) - 130 (125)	111%	SPK: 50
1868-53-7	Dibromofluoromethane	51.6		70 (75) - 130 (124)	103%	SPK: 50
2037-26-5	Toluene-d8	50.8		70 (86) - 130 (113)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.5		70 (77) - 130 (121)	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	64100	5.544			
540-36-3	1,4-Difluorobenzene	128000	6.757			
3114-55-4	Chlorobenzene-d5	119000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	49400	12.018			

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	04/03/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	04/03/25
Client Sample ID:	TB01-040325	SDG No.:	Q1731
Lab Sample ID:	Q1731-07	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
VX045599.D	1		04/04/25 15:10	VX040425

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	54.5		70 (74) - 130 (125)	109%	SPK: 50
1868-53-7	Dibromofluoromethane	51.0		70 (75) - 130 (124)	102%	SPK: 50
2037-26-5	Toluene-d8	50.6		70 (86) - 130 (113)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.4		70 (77) - 130 (121)	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	62200	5.55			
540-36-3	1,4-Difluorobenzene	123000	6.757			
3114-55-4	Chlorobenzene-d5	111000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	43000	12.018			

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LAB CHRONICLE

OrderID:	Q1731	OrderDate:	4/4/2025 10:52:00 AM
Client:	JACOBS Engineering Group, Inc.	Project:	Former Schlumberger STC PTC Site D3868221
Contact:	John Ynfante	Location:	L31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1731-01	RMW-01B-82-040325	Water	VOCMS Group3	8260-Low	04/03/25		04/07/25	04/03/25
Q1731-02	RMW-04B-91-040325	Water	VOCMS Group3	8260-Low	04/03/25		04/07/25	04/03/25
Q1731-03	RMW-01B-82-040325-FD	Water	VOCMS Group3	8260-Low	04/03/25		04/07/25	04/03/25
Q1731-04	RMW-03B-90-040325	Water	VOCMS Group3	8260-Low	04/03/25		04/07/25	04/03/25
Q1731-05	EB01-040325	Water	VOCMS Group3	8260-Low	04/03/25		04/04/25	04/03/25
Q1731-07	TB01-040325	Water	VOCMS Group3	8260-Low	04/03/25		04/04/25	04/03/25

Hit Summary Sheet SW-846

SDG No.: Q1731
Client: JACOBS Engineering Group, Inc.

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID :	RMW-01B-82-040325							
Q1731-01	RMW-01B-82-040325	WATER	1,4-Dioxane	0.390		0.07	0.2	ug/L
			Total Svoc :			0.39		
			Total Concentration:			0.39		
Client ID :	RMW-04B-91-040325							
Q1731-02	RMW-04B-91-040325	WATER	1,4-Dioxane	0.290		0.07	0.2	ug/L
			Total Svoc :			0.29		
			Total Concentration:			0.29		
Client ID :	RMW-01B-82-040325-FD							
Q1731-03	RMW-01B-82-040325-FI	WATER	1,4-Dioxane	0.430		0.07	0.2	ug/L
			Total Svoc :			0.43		
			Total Concentration:			0.43		
Client ID :	RMW-03B-90-040325							
Q1731-04	RMW-03B-90-040325	WATER	1,4-Dioxane	7.500	E	0.07	0.2	ug/L
			Total Svoc :			7.50		
			Total Concentration:			7.50		
Client ID :	RMW-03B-90-040325DL							
Q1731-04DL	RMW-03B-90-040325DI	WATER	1,4-Dioxane	9.500	D	0.35	1	ug/L
			Total Svoc :			9.50		
			Total Concentration:			9.50		



SAMPLE DATA

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	04/03/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	04/03/25
Client Sample ID:	RMW-01B-82-040325	SDG No.:	Q1731
Lab Sample ID:	Q1731-01	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
BN036839.D	1	04/04/25 11:35	04/04/25 17:22	PB167468

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	0.39		0.070	0.20	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.37		30 (20) - 150 (139)	93%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.50		30 (30) - 150 (150)	125%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.34		30 (27) - 130 (154)	85%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.40		30 (25) - 130 (149)	100%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.69	*	30 (54) - 130 (175)	173%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	1600	7.695			
1146-65-2	Naphthalene-d8	3870	10.477			
15067-26-2	Acenaphthene-d10	2330	14.334			
1517-22-2	Phenanthrene-d10	4950	17.086			
1719-03-5	Chrysene-d12	4530	21.268			
1520-96-3	Perylene-d12	4220	23.513			

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	04/03/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	04/03/25
Client Sample ID:	RMW-04B-91-040325	SDG No.:	Q1731
Lab Sample ID:	Q1731-02	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
BN036840.D	1	04/04/25 11:35	04/04/25 17:58	PB167468

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	0.29		0.070	0.20	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.35		30 (20) - 150 (139)	87%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.48		30 (30) - 150 (150)	119%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.31		30 (27) - 130 (154)	78%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.37		30 (25) - 130 (149)	93%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.47		30 (54) - 130 (175)	117%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	1690	7.696			
1146-65-2	Naphthalene-d8	4270	10.477			
15067-26-2	Acenaphthene-d10	2560	14.334			
1517-22-2	Phenanthrene-d10	5530	17.074			
1719-03-5	Chrysene-d12	4900	21.268			
1520-96-3	Perylene-d12	4710	23.508			

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	04/03/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	04/03/25
Client Sample ID:	RMW-01B-82-040325-FD	SDG No.:	Q1731
Lab Sample ID:	Q1731-03	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
BN036841.D	1	04/04/25 11:35	04/04/25 18:34	PB167468

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	0.43		0.070	0.20	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.37		30 (20) - 150 (139)	93%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.50		30 (30) - 150 (150)	126%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.35		30 (27) - 130 (154)	88%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.38		30 (25) - 130 (149)	94%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.49		30 (54) - 130 (175)	122%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	1720	7.696			
1146-65-2	Naphthalene-d8	4120	10.488			
15067-26-2	Acenaphthene-d10	2520	14.334			
1517-22-2	Phenanthrene-d10	5200	17.087			
1719-03-5	Chrysene-d12	4660	21.268			
1520-96-3	Perylene-d12	4310	23.513			

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	04/03/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	04/03/25
Client Sample ID:	RMW-03B-90-040325	SDG No.:	Q1731
Lab Sample ID:	Q1731-04	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
BN036842.D	1	04/04/25 11:35	04/04/25 19:10	PB167468

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	7.50	E	0.070	0.20	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.40		30 (20) - 150 (139)	100%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.51		30 (30) - 150 (150)	126%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.33		30 (27) - 130 (154)	83%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.43		30 (25) - 130 (149)	108%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.49		30 (54) - 130 (175)	122%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	1670	7.696			
1146-65-2	Naphthalene-d8	4190	10.477			
15067-26-2	Acenaphthene-d10	2430	14.334			
1517-22-2	Phenanthrene-d10	5090	17.087			
1719-03-5	Chrysene-d12	4540	21.268			
1520-96-3	Perylene-d12	4160	23.511			

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	04/03/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	04/03/25
Client Sample ID:	RMW-03B-90-040325DL	SDG No.:	Q1731
Lab Sample ID:	Q1731-04DL	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
BN036849.D	5	04/04/25 11:35	04/07/25 10:22	PB167468

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	9.50	D	0.35	1.00	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.47		30 (20) - 150 (139)	117%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.60		30 (30) - 150 (150)	149%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.44		30 (27) - 130 (154)	109%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.41		30 (25) - 130 (149)	101%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.58	*	30 (54) - 130 (175)	145%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	1420		7.695		
1146-65-2	Naphthalene-d8	3370		10.487		
15067-26-2	Acenaphthene-d10	2090		14.334		
1517-22-2	Phenanthrene-d10	4260		17.086		
1719-03-5	Chrysene-d12	3830		21.277		
1520-96-3	Perylene-d12	3500		23.519		

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:	04/03/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	04/03/25
Client Sample ID:	EB01-040325	SDG No.:	Q1731
Lab Sample ID:	Q1731-05	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	960 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
BN036843.D	1	04/04/25 11:35	04/04/25 19:46	PB167468

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	0.070	U	0.070	0.21	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.40		30 (20) - 150 (139)	100%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.51		30 (30) - 150 (150)	128%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.35		30 (27) - 130 (154)	88%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.41		30 (25) - 130 (149)	103%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.48		30 (54) - 130 (175)	120%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	1620	7.696			
1146-65-2	Naphthalene-d8	4100	10.477			
15067-26-2	Acenaphthene-d10	2430	14.334			
1517-22-2	Phenanthrene-d10	5120	17.074			
1719-03-5	Chrysene-d12	4850	21.268			
1520-96-3	Perylene-d12	4310	23.508			

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MDL = Method Detection Limit

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E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

LAB CHRONICLE

OrderID:	Q1731	OrderDate:	4/4/2025 10:52:00 AM
Client:	JACOBS Engineering Group, Inc.	Project:	Former Schlumberger STC PTC Site D3868221
Contact:	John Ynfante	Location:	L31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1731-01	RMW-01B-82-040325	Water	SVOC-SIMGroup1	8270-Modified	04/03/25	04/04/25	04/04/25	04/03/25
Q1731-02	RMW-04B-91-040325	Water	SVOC-SIMGroup1	8270-Modified	04/03/25	04/04/25	04/04/25	04/03/25
Q1731-03	RMW-01B-82-040325-FD	Water	SVOC-SIMGroup1	8270-Modified	04/03/25	04/04/25	04/04/25	04/03/25
Q1731-04	RMW-03B-90-040325	Water	SVOC-SIMGroup1	8270-Modified	04/03/25	04/04/25	04/04/25	04/03/25
Q1731-04DL	RMW-03B-90-040325 DL	Water	SVOC-SIMGroup1	8270-Modified	04/03/25	04/04/25	04/07/25	04/03/25
Q1731-05	EB01-040325	Water	SVOC-SIMGroup1	8270-Modified	04/03/25	04/04/25	04/04/25	04/03/25

Hit Summary Sheet
SW-846

SDG No.:	Q1731	Order ID:	Q1731
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 : EB01-040325								
Q1731-05	EB01-040325	Water	Aluminum	2.86	J	1.94	20.0	ug/L
Q1731-05	EB01-040325	Water	Lead	0.23	J	0.21	1.00	ug/L
Q1731-05	EB01-040325	Water	Manganese	0.66	J	0.43	1.00	ug/L
Q1731-05	EB01-040325	Water	Potassium	38.0	J	36.4	500	ug/L



SAMPLE DATA

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	04/03/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	04/03/25
Client Sample ID:	EB01-040325	SDG No.:	Q1731
Lab Sample ID:	Q1731-05	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	2.86	J	1	1.94	20.0	ug/L	04/04/25 12:05	04/07/25 14:11	SW6020	3010A
7440-36-0	Antimony	0.11	U	1	0.11	2.00	ug/L	04/04/25 12:05	04/07/25 14:11	SW6020	3010A
7440-38-2	Arsenic	0.089	UN	1	0.089	1.00	ug/L	04/04/25 12:05	04/07/25 14:11	SW6020	3010A
7440-39-3	Barium	0.21	U	1	0.21	10.0	ug/L	04/04/25 12:05	04/07/25 14:11	SW6020	3010A
7440-41-7	Beryllium	0.32	U	1	0.32	1.00	ug/L	04/04/25 12:05	04/07/25 14:11	SW6020	3010A
7440-43-9	Cadmium	0.34	U	1	0.34	1.00	ug/L	04/04/25 12:05	04/07/25 14:11	SW6020	3010A
7440-47-3	Chromium	0.21	U	1	0.21	2.00	ug/L	04/04/25 12:05	04/07/25 14:11	SW6020	3010A
7440-50-8	Copper	0.30	U	1	0.30	2.00	ug/L	04/04/25 12:05	04/07/25 14:11	SW6020	3010A
7439-89-6	Iron	7.81	U	1	7.81	50.0	ug/L	04/04/25 12:05	04/07/25 14:11	SW6020	3010A
7439-92-1	Lead	0.23	J	1	0.21	1.00	ug/L	04/04/25 12:05	04/07/25 14:11	SW6020	3010A
7439-95-4	Magnesium	19.5	U	1	19.5	500	ug/L	04/04/25 12:05	04/07/25 14:11	SW6020	3010A
7439-96-5	Manganese	0.66	J*	1	0.43	1.00	ug/L	04/04/25 12:05	04/07/25 14:11	SW6020	3010A
7440-09-7	Potassium	38.0	JN	1	36.4	500	ug/L	04/04/25 12:05	04/07/25 14:11	SW6020	3010A
7782-49-2	Selenium	2.90	U	1	2.90	5.00	ug/L	04/04/25 12:05	04/07/25 14:11	SW6020	3010A
7440-23-5	Sodium	128	U	1	128	500	ug/L	04/04/25 12:05	04/07/25 14:11	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:	04/03/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	04/03/25
Client Sample ID:	EB01-040325	SDG No.:	Q1731
Lab Sample ID:	Q1731-06	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	7.81	U	1	7.81	50.0	ug/L	04/04/25 12:05	04/07/25 14:14	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

LAB CHRONICLE

OrderID:	Q1731	OrderDate:	4/4/2025 10:52:00 AM
Client:	JACOBS Engineering Group, Inc.	Project:	Former Schlumberger STC PTC Site D3868221
Contact:	John Ynfante	Location:	L31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1731-05	EB01-040325	Water	Metals Group4	6020B	04/03/25	04/04/25	04/07/25	04/03/25
Q1731-06	EB01-040325	Water	Dissolved ICP-Group2	6020B	04/03/25	04/04/25	04/07/25	04/03/25



SAMPLE DATA

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	04/03/25 15:45
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	04/03/25
Client Sample ID:	EB01-040325	SDG No.:	Q1731
Lab Sample ID:	Q1731-05	Matrix:	Water
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Alkalinity	1.00	U	1	1.00	2.00	mg/L		04/04/25 13:40	SM 2320 B-11
Chloride	0.19	U	1	0.19	0.60	mg/L		04/04/25 14:17	9056A
Nitrate	0.095	U	1	0.095	0.50	mg/L		04/04/25 14:17	9056A
Sulfate	0.46	U	1	0.46	3.00	mg/L		04/04/25 14:17	9056A
TDS	1.00	J	1	1.00	10.0	mg/L		04/04/25 13:00	SM 2540 C-15

Comments:

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

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

LAB CHRONICLE

OrderID:	Q1731	OrderDate:	4/4/2025 10:52:00 AM
Client:	JACOBS Engineering Group, Inc.	Project:	Former Schlumberger STC PTC Site D3868221
Contact:	John Ynfante	Location:	L31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1731-05	EB01-040325	Water			04/03/25 15:45			04/03/25
			Alkalinity	SM2320 B			04/04/25 13:40	
			Anions Group1	9056A			04/04/25 14:17	
			TDS	SM2540 C			04/04/25 13:00	



SHIPPING DOCUMENTS

CLIENT INFORMATION

CLIENT PROJECT INFORMATION

CLIENT BILLING INFORMATION

REPORT TO BE SENT TO:

COMPANY: Jacobs
ADDRESS: 412 Mt Kumbie Ave Suite 100
CITY Morrisstown STATE: NJ ZIP: 07910
ATTENTION: John Yufante John.Yufante@Jacobs.com
PHONE: FAX:

PROJECT NAME: STC PTC
PROJECT NO.: D3808221 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) Standard TAT 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. 1/4 Dioxane (62705-504)
2. Site Specific VOGs (62705-504)
3. Total Metals (60208)
4. Dissolved Iron (60208)
5. Alkalinity (50123708)
6. TDS (50123708)
7. Ammonia (4056)
8.
9.

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS	
			COMP	GRAB	DATE	TIME		E	A/E	B/E	E	E	E	E			← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER	
1.	RMW-01B-82-040325	GW		X	4-3-25	1135	4	✓	✓									
2.	RMW-04B-91-040325	GW		X	4-3-25	1415	4	✓	✓									
3.	RMW-01B-82-040325-ED	GW		X	4-3-25	1140	4	✓	✓									
4.	RMW-03B-90-040325	GW		X	4-3-25	1510	4	✓	✓									
5.	EB01-040325	DI		X	4-3-25	1545	8	✓	✓	✓	✓	✓	✓	✓	✓		PH: 1.9	
6.	TB01-040325	DI		X	4-3-25	1600	2	✓									Lot # 80A0441	
7.																	Samples preserved (HNO3)	
8.																	on 4/4/25 @ 0715	
9.																	Samples placed in 501-fully	
10.																	Samples Relinquished	

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

RELINQUISHED BY SAMPLER: 1. <u>[Signature]</u>	DATE/TIME: <u>4/3/25 1634</u>	RECEIVED BY: <u>[Signature]</u> <u>1634</u>	Conditions of bottles or coolers at receipt: <input type="checkbox"/> COMPLIANT <input type="checkbox"/> NON COMPLIANT <input type="checkbox"/> COOLER TEMP <u>2.7</u> °C
RELINQUISHED BY SAMPLER: 2. <u>[Signature]</u>	DATE/TIME:	RECEIVED BY: <u>[Signature]</u>	Comments: <u>See work order for list of site specific VOGs</u>
RELINQUISHED BY SAMPLER: 3. <u>[Signature]</u>	DATE/TIME: <u>4-3-25</u>	RECEIVED BY: <u>[Signature]</u>	<u>Preserve Dissolved Iron sample upon arrival to the lab</u>
			<u>Temp 2.7°C (Adjusted Factor +1) IR 6 on #1.</u>
Page <u>1</u> of <u>1</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 : Q1731	JACO05	Order Date : 4/4/2025 10:52:00 AM	Project Mgr :
Client Name : JACOBS Engineering Grou		Project Name : Former Schlumberger STC	Report Type : Level 4
Client Contact : John Ynfante		Receive DateTime : 4/3/2025 6:20:00 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
Q1731-01	RMW-01B-82-040325	Water	04/03/2025	11:35					
					VOCMS Group3		8260-Low	2 Bus. Days	
Q1731-02	RMW-04B-91-040325	Water	04/03/2025	14:15					
					VOCMS Group3		8260-Low	2 Bus. Days	
Q1731-03	RMW-01B-82-040325-FD	Water	04/03/2025	11:40					
					VOCMS Group3		8260-Low	2 Bus. Days	
Q1731-04	RMW-03B-90-040325	Water	04/03/2025	15:10					
					VOCMS Group3		8260-Low	2 Bus. Days	
Q1731-05	EB01-040325	Water	04/03/2025	15:45					
					VOCMS Group3		8260-Low	2 Bus. Days	
Q1731-07	TB01-040325	Water	04/03/2025	16:00					
					VOCMS Group3		8260-Low	2 Bus. Days	

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1731	JACO05	Order Date : 4/4/2025 10:52:00 AM	Project Mgr :
Client Name : JACOBS Engineering Grou		Project Name : Former Schlumberger STC	Report Type : Level 4
Client Contact : John Ynfante		Receive DateTime : 4/3/2025 6:20:00 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
--------	-----------	--------	-------------	-------------	------	------------	--------	----------	-----------

*stored in ref #04
(VOA)*

Relinquished By :

[Signature]

Date / Time : 4/4/25 1120

Received By :

[Signature]

Date / Time : 4-4-25 11:20

Storage Area : VOA Refridgerator Room