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

ANALYTICAL RESULTS SUMMARY

VOLATILE ORGANICS
GENERAL CHEMISTRY
METALS
SEMI-VOLATILE ORGANICS

PROJECT NAME : FORMER SCHLUMBERGER SITE PRINCETON NJ

JACOBS ENGINEERING GROUP, INC.

412 Mt. Kemble Ave

Downtown Building

Morristown, NJ - 07960

Phone No: 9732670555

ORDER ID : P3429

ATTENTION : Mary I. Murphy

Laboratory Certification ID # 20012

Table Of Contents for P3429

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Cover Page

Order ID : P3429

Project ID : Former Schlumberger Site Princeton NJ

Client : JACOBS Engineering Group, Inc.

Lab Sample Number	Client Sample Number
P3429-01	926-K1-WS-073124
P3429-02	931-K1-WS-073124
P3429-03	925-K1-WS-073124
P3429-04	TB-01-073124

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

Signature : _____ Date: 8/27/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

JACOBS Engineering Group, Inc.
Project Name: Former Schlumberger Site Princeton NJ
Project # N/A
Chemtech Project # P3429
Test Name: VOCMS Group6

A. Number of Samples and Date of Receipt:
4 Water samples were received on 07/31/2024.

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

C. Analytical Techniques:
The analysis performed on instrument MSVOA_N were done using GC column RXI-624SIL MS 30m 0.25mm 1.4 um. Cat#13868.The analysis of VOCMS Group6 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.

Sample 925-K1-WS-073124 was diluted due to high concentration.

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 <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount

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for all compounds using Linear Regression when the %RSD value for a compound is > 15% 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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CASE NARRATIVE

JACOBS Engineering Group, Inc.
Project Name: Former Schlumberger Site Princeton NJ
Project # N/A
Chemtech Project # P3429
Test Name: SVOCMS Group6

A. Number of Samples and Date of Receipt:
4 Water samples were received on 07/31/2024.

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

C. Analytical Techniques:
The samples were analyzed on instrument BNA_F using GC Column DB-UI 8270D which is 20 meters, 0.18 mm ID, 0.36 um dfThe analysis of SVOCMS Group6 was based on method 8270E 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 MLS-15-70-85MSD [2,4,6-Tribromophenol - 115%], PB162423BL [2,4 and6-Tribromophenol - 120%] 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 MS {P3415-04MS} with File ID: BF138909.D recoveries met the requirements for all compounds except for Benzo(k)fluoranthene[131%] this compound did not meet the NJDKQP criteria but met the in-house criteria and Benzaldehyde[0%] this compound did not meet the NJDKQP criteria and in-house criteria due to matrix interference.

The MSD {P3415-05MSD} with File ID: BF138910.D recoveries met the acceptable requirements except for Acenaphthylene[131%],Benzo(a)pyrene[133%], Benzo(k)fluoranthene[140%], Chrysene[132%] and Di-n-butylphthalate[137%] these compounds did not meet the NJDKQP criteria but met the in-house criteria and Benzaldehyde[8%] this compound did not meet the NJDKQP criteria and in-house criteria due to matrix interference.

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The RPD for {P3415-05MSD} with File ID: BF138910.D met criteria except for Benzaldehyde[200%] due to difference in results of MS and MSD.

The Blank Spike 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 BF138834.D met the requirements except for Pentachlorophenol but no positive hits in associated samples therefore no corrective action taken.

The Continuous Calibration File ID BF138879.D met the requirements except for Benzaldehyde is failing marginally low therefore no corrective action taken.

The Tuning criteria met requirements.

E. Additional Comments:
The Form 6 is not included in the data package because the Initial Calibration was performed using 8 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 <15% 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 > 15% 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.

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CASE NARRATIVE

JACOBS Engineering Group, Inc.
Project Name: Former Schlumberger Site Princeton NJ
Project # N/A
Chemtech Project # P3429
Test Name: SVOC-SIMGroup1

A. Number of Samples and Date of Receipt:
4 Water samples were received on 07/31/2024.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Hexavalent Chromium, Mercury, Metals Group4, SVOC-SIMGroup1, SVOCMS Group3, SVOCMS Group6 and VOCMS Group6. 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.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds .
The MSD recoveries met the acceptable requirements .
The RPD met criteria .
The Blank Spike 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 BN033212.D met the requirements except for Benzo(b)fluoranthene is failing marginally low and 2,4,6-Tribromophenol and Phenol-d6 , failure surrogates are not associated with the client list, as per criteria affected surrogates were passing, therefore no corrective action was taken.

The Tuning criteria met requirements.

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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 <15% 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 > 15% 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.

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CASE NARRATIVE

JACOBS Engineering Group, Inc.
Project Name: Former Schlumberger Site Princeton NJ
Project # N/A
Chemtech Project # P3429
Test Name: Metals Group4,Mercury

A. Number of Samples and Date of Receipt:
4 Water samples were received on 07/31/2024.

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

C. Analytical Techniques:
The analysis of Metals Group4 was based on method 6020B, digestion based on method 3010 (waters). The analysis and digestion of Mercury was based on method 7470A.

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 (923-K1-WS-080124MS) analysis met criteria for all samples except for Silver, Strontium and Titanium due to Chemical interference during Digestion Process.
The Matrix Spike Duplicate (923-K1-WS-080124MSD) analysis met criteria for all samples except for Silver, Strontium, and Titanium 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:

This Data Package has been revised due to Analytical Method Change.

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.

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.

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CASE NARRATIVE

JACOBS Engineering Group, Inc.
Project Name: Former Schlumberger Site Princeton NJ
Project # N/A
Chemtech Project # P3429
Test Name: Hexavalent Chromium

A. Number of Samples and Date of Receipt:
4 Water samples were received on 07/31/2024.

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

C. Analytical Techniques:
The analysis of Hexavalent Chromium was based on method 7196A.

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

E. Additional Comments:

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

Signature_____

DATA REPORTING QUALIFIERS- INORGANIC

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

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

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DATA REPORTING QUALIFIERS- ORGANIC

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

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

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: P3429

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

1st Level QA Review Signature: SOHIL JODHANI **Date:** 08/27/2024

2nd Level QA Review Signature: _____ **Date:** _____

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Hit Summary Sheet
SW-846

SDG No.: P3429

Client: JACOBS Engineering Group, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**926-K1-WS-073124**							
P3429-01	926-K1-WS-073124	Water	Vinyl Chloride	23.1		0.34	1.00	ug/L
P3429-01	926-K1-WS-073124	Water	1,1,2-Trichlorotrifluoroethane	17.3		0.25	1.00	ug/L
P3429-01	926-K1-WS-073124	Water	Acetone	10.1		1.40	5.00	ug/L
P3429-01	926-K1-WS-073124	Water	cis-1,2-Dichloroethene	68.8		0.25	1.00	ug/L
P3429-01	926-K1-WS-073124	Water	Trichloroethene	1.40		0.32	1.00	ug/L
P3429-01	926-K1-WS-073124	Water	Toluene	0.64	J	0.18	1.00	ug/L
			Total Voc :	121				
			Total Concentration:	121				
Client ID:	**931-K1-WS-073124**							
P3429-02	931-K1-WS-073124	Water	Acetone	210		1.40	5.00	ug/L
P3429-02	931-K1-WS-073124	Water	Toluene	1.70		0.18	1.00	ug/L
			Total Voc :	212				
			Total Concentration:	212				
Client ID:	**925-K1-WS-073124**							
P3429-03	925-K1-WS-073124	Water	Vinyl Chloride	190	E	0.34	1.00	ug/L
P3429-03	925-K1-WS-073124	Water	1,1,2-Trichlorotrifluoroethane	50.7		0.25	1.00	ug/L
P3429-03	925-K1-WS-073124	Water	Acetone	12.4		1.40	5.00	ug/L
P3429-03	925-K1-WS-073124	Water	trans-1,2-Dichloroethene	7.60		0.25	1.00	ug/L
P3429-03	925-K1-WS-073124	Water	cis-1,2-Dichloroethene	1100	E	0.25	1.00	ug/L
P3429-03	925-K1-WS-073124	Water	Benzene	0.57	J	0.16	1.00	ug/L
P3429-03	925-K1-WS-073124	Water	Trichloroethene	7.80		0.32	1.00	ug/L
P3429-03	925-K1-WS-073124	Water	Toluene	1.10		0.18	1.00	ug/L
P3429-03	925-K1-WS-073124	Water	Chlorobenzene	0.26	J	0.13	1.00	ug/L
			Total Voc :	1370				
			Total Concentration:	1370				
Client ID:	**925-K1-WS-073124DL**							
P3429-03DL	925-K1-WS-073124	Water	Vinyl Chloride	220	D	6.80	20.0	ug/L
P3429-03DL	925-K1-WS-073124	Water	1,1,2-Trichlorotrifluoroethane	62.2	D	5.00	20.0	ug/L
P3429-03DL	925-K1-WS-073124	Water	cis-1,2-Dichloroethene	1100	D	5.00	20.0	ug/L
P3429-03DL	925-K1-WS-073124	Water	Trichloroethene	10.1	JD	6.40	20.0	ug/L
			Total Voc :	1390				
			Total Concentration:	1390				

SAMPLE DATA

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

Client:	JACOBS Engineering Group, Inc.	Date Collected:	07/31/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	07/31/24
Client Sample ID:	926-K1-WS-073124	SDG No.:	P3429
Lab Sample ID:	P3429-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group6
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083244.D	1		08/12/24 17:49	VN081224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.21	U	0.21	1.00	ug/L
74-87-3	Chloromethane	0.35	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	23.1		0.34	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	17.3		0.25	1.00	ug/L
67-64-1	Acetone	10.1		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	0.32	U	0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
75-09-2	Methylene Chloride	0.32	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
110-82-7	Cyclohexane	1.60	U	1.60	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	68.8		0.25	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.19	U	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	0.19	U	0.19	1.00	ug/L
71-43-2	Benzene	0.16	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	1.00	ug/L
79-01-6	Trichloroethene	1.40		0.32	1.00	ug/L
75-27-4	Bromodichloromethane	0.24	U	0.24	1.00	ug/L
108-88-3	Toluene	0.64	J	0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	0.31	U	0.31	2.00	ug/L
1330-20-7	Total Xylenes	0.45	U	0.45	3.00	ug/L
95-47-6	o-Xylene	0.14	U	0.14	1.00	ug/L

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	07/31/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	07/31/24
Client Sample ID:	926-K1-WS-073124	SDG No.:	P3429
Lab Sample ID:	P3429-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group6
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083244.D	1		08/12/24 17:49	VN081224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
98-82-8	Isopropylbenzene	0.13	U	0.13	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.9		70 (74) - 130 (125)	114%	SPK: 50
1868-53-7	Dibromofluoromethane	53.3		70 (75) - 130 (124)	107%	SPK: 50
2037-26-5	Toluene-d8	53.5		70 (86) - 130 (113)	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.3		70 (77) - 130 (121)	113%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	133000	8.23			
540-36-3	1,4-Difluorobenzene	252000	9.1			
3114-55-4	Chlorobenzene-d5	256000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	111000	13.794			

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

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

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	07/31/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	07/31/24
Client Sample ID:	931-K1-WS-073124	SDG No.:	P3429
Lab Sample ID:	P3429-02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group6
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083250.D	1		08/13/24 12:06	VN081324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.21	U	0.21	1.00	ug/L
74-87-3	Chloromethane	0.35	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	0.34	U	0.34	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
67-64-1	Acetone	210		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	0.32	U	0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
75-09-2	Methylene Chloride	0.32	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
110-82-7	Cyclohexane	1.60	U	1.60	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.19	U	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	0.19	U	0.19	1.00	ug/L
71-43-2	Benzene	0.16	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	1.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	1.00	ug/L
75-27-4	Bromodichloromethane	0.24	U	0.24	1.00	ug/L
108-88-3	Toluene	1.70		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	0.31	U	0.31	2.00	ug/L
1330-20-7	Total Xylenes	0.45	U	0.45	3.00	ug/L
95-47-6	o-Xylene	0.14	U	0.14	1.00	ug/L

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	07/31/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	07/31/24
Client Sample ID:	931-K1-WS-073124	SDG No.:	P3429
Lab Sample ID:	P3429-02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group6
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083250.D	1		08/13/24 12:06	VN081324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
98-82-8	Isopropylbenzene	0.13	U	0.13	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.9		70 (74) - 130 (125)	114%	SPK: 50
1868-53-7	Dibromofluoromethane	54.6		70 (75) - 130 (124)	109%	SPK: 50
2037-26-5	Toluene-d8	55.5		70 (86) - 130 (113)	111%	SPK: 50
460-00-4	4-Bromofluorobenzene	59.3		70 (77) - 130 (121)	119%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	136000	8.224			
540-36-3	1,4-Difluorobenzene	261000	9.1			
3114-55-4	Chlorobenzene-d5	272000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	121000	13.794			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	07/31/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	07/31/24
Client Sample ID:	925-K1-WS-073124	SDG No.:	P3429
Lab Sample ID:	P3429-03	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group6
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083269.D	1		08/13/24 19:45	VN081324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.21	U	0.21	1.00	ug/L
74-87-3	Chloromethane	0.35	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	190	E	0.34	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	50.7		0.25	1.00	ug/L
67-64-1	Acetone	12.4		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	0.32	U	0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
75-09-2	Methylene Chloride	0.32	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	7.60		0.25	1.00	ug/L
110-82-7	Cyclohexane	1.60	U	1.60	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1100	E	0.25	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.19	U	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	0.19	U	0.19	1.00	ug/L
71-43-2	Benzene	0.57	J	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	1.00	ug/L
79-01-6	Trichloroethene	7.80		0.32	1.00	ug/L
75-27-4	Bromodichloromethane	0.24	U	0.24	1.00	ug/L
108-88-3	Toluene	1.10		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.26	J	0.13	1.00	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	0.31	U	0.31	2.00	ug/L
1330-20-7	Total Xylenes	0.45	U	0.45	3.00	ug/L
95-47-6	o-Xylene	0.14	U	0.14	1.00	ug/L

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	07/31/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	07/31/24
Client Sample ID:	925-K1-WS-073124	SDG No.:	P3429
Lab Sample ID:	P3429-03	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group6
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083269.D	1		08/13/24 19:45	VN081324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
98-82-8	Isopropylbenzene	0.13	U	0.13	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.2		70 (74) - 130 (125)	114%	SPK: 50
1868-53-7	Dibromofluoromethane	53.9		70 (75) - 130 (124)	108%	SPK: 50
2037-26-5	Toluene-d8	53.4		70 (86) - 130 (113)	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.5		70 (77) - 130 (121)	109%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	132000	8.224			
540-36-3	1,4-Difluorobenzene	256000	9.1			
3114-55-4	Chlorobenzene-d5	257000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	110000	13.794			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	07/31/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	07/31/24
Client Sample ID:	925-K1-WS-073124DL	SDG No.:	P3429
Lab Sample ID:	P3429-03DL	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group6
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083299.D	20		08/14/24 14:27	VN081424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	4.20	UD	4.20	20.0	ug/L
74-87-3	Chloromethane	7.00	UD	7.00	20.0	ug/L
75-01-4	Vinyl Chloride	220	D	6.80	20.0	ug/L
74-83-9	Bromomethane	27.2	UD	27.2	100	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	62.2	D	5.00	20.0	ug/L
67-64-1	Acetone	27.8	UD	27.8	100	ug/L
75-15-0	Carbon Disulfide	6.40	UD	6.40	20.0	ug/L
1634-04-4	Methyl tert-butyl Ether	3.20	UD	3.20	20.0	ug/L
75-09-2	Methylene Chloride	6.40	UD	6.40	20.0	ug/L
156-60-5	trans-1,2-Dichloroethene	5.00	UD	5.00	20.0	ug/L
110-82-7	Cyclohexane	32.4	UD	32.4	100	ug/L
78-93-3	2-Butanone	26.0	UD	26.0	100	ug/L
56-23-5	Carbon Tetrachloride	5.00	UD	5.00	20.0	ug/L
156-59-2	cis-1,2-Dichloroethene	1100	D	5.00	20.0	ug/L
67-66-3	Chloroform	5.20	UD	5.20	20.0	ug/L
71-55-6	1,1,1-Trichloroethane	3.80	UD	3.80	20.0	ug/L
108-87-2	Methylcyclohexane	3.80	UD	3.80	20.0	ug/L
71-43-2	Benzene	3.20	UD	3.20	20.0	ug/L
107-06-2	1,2-Dichloroethane	4.80	UD	4.80	20.0	ug/L
79-01-6	Trichloroethene	10.1	JD	6.40	20.0	ug/L
75-27-4	Bromodichloromethane	4.80	UD	4.80	20.0	ug/L
108-88-3	Toluene	3.60	UD	3.60	20.0	ug/L
79-00-5	1,1,2-Trichloroethane	4.20	UD	4.20	20.0	ug/L
124-48-1	Dibromochloromethane	3.60	UD	3.60	20.0	ug/L
127-18-4	Tetrachloroethene	5.00	UD	5.00	20.0	ug/L
108-90-7	Chlorobenzene	2.60	UD	2.60	20.0	ug/L
100-41-4	Ethyl Benzene	3.20	UD	3.20	20.0	ug/L
179601-23-1	m/p-Xylenes	6.20	UD	6.20	40.0	ug/L
1330-20-7	Total Xylenes	9.00	UD	9.00	60.0	ug/L
95-47-6	o-Xylene	2.80	UD	2.80	20.0	ug/L

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	07/31/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	07/31/24
Client Sample ID:	925-K1-WS-073124DL	SDG No.:	P3429
Lab Sample ID:	P3429-03DL	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group6
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083299.D	20		08/14/24 14:27	VN081424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
98-82-8	Isopropylbenzene	2.60	UD	2.60	20.0	ug/L
106-46-7	1,4-Dichlorobenzene	5.40	UD	5.40	20.0	ug/L
95-50-1	1,2-Dichlorobenzene	3.80	UD	3.80	20.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.4		70 (74) - 130 (125)	113%	SPK: 50
1868-53-7	Dibromofluoromethane	52.7		70 (75) - 130 (124)	105%	SPK: 50
2037-26-5	Toluene-d8	53.1		70 (86) - 130 (113)	106%	SPK: 50
460-00-4	4-Bromofluorobenzene	57.4		70 (77) - 130 (121)	115%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	130000	8.224			
540-36-3	1,4-Difluorobenzene	253000	9.1			
3114-55-4	Chlorobenzene-d5	260000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	115000	13.794			

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
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() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	07/31/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	07/31/24
Client Sample ID:	TB-01-073124	SDG No.:	P3429
Lab Sample ID:	P3429-04	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group6
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083256.D	1		08/13/24 14:31	VN081324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.21	U	0.21	1.00	ug/L
74-87-3	Chloromethane	0.35	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	0.34	U	0.34	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
67-64-1	Acetone	1.40	U	1.40	5.00	ug/L
75-15-0	Carbon Disulfide	0.32	U	0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
75-09-2	Methylene Chloride	0.32	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
110-82-7	Cyclohexane	1.60	U	1.60	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.19	U	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	0.19	U	0.19	1.00	ug/L
71-43-2	Benzene	0.16	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	1.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	1.00	ug/L
75-27-4	Bromodichloromethane	0.24	U	0.24	1.00	ug/L
108-88-3	Toluene	0.18	U	0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	0.31	U	0.31	2.00	ug/L
1330-20-7	Total Xylenes	0.45	U	0.45	3.00	ug/L
95-47-6	o-Xylene	0.14	U	0.14	1.00	ug/L

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	07/31/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	07/31/24
Client Sample ID:	TB-01-073124	SDG No.:	P3429
Lab Sample ID:	P3429-04	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group6
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN083256.D	1		08/13/24 14:31	VN081324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
98-82-8	Isopropylbenzene	0.13	U	0.13	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.8		70 (74) - 130 (125)	112%	SPK: 50
1868-53-7	Dibromofluoromethane	52.1		70 (75) - 130 (124)	104%	SPK: 50
2037-26-5	Toluene-d8	53.2		70 (86) - 130 (113)	106%	SPK: 50
460-00-4	4-Bromofluorobenzene	57.4		70 (77) - 130 (121)	115%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	147000	8.224			
540-36-3	1,4-Difluorobenzene	284000	9.1			
3114-55-4	Chlorobenzene-d5	292000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	131000	13.794			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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LAB CHRONICLE

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

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P3429-01	**926-K1-WS-073124**	**Water**			**07/31/24**			**07/31/24**
			VOCMS Group6	8260-Low			08/12/24	
P3429-02	**931-K1-WS-073124**	**Water**			**07/31/24**			**07/31/24**
			VOCMS Group6	8260-Low			08/13/24	
P3429-03	**925-K1-WS-073124**	**Water**			**07/31/24**			**07/31/24**
			VOCMS Group6	8260-Low			08/13/24	
P3429-03DL	**925-K1-WS-073124DL**	**Water**			**07/31/24**			**07/31/24**
			VOCMS Group6	8260-Low			08/14/24	
P3429-04	**TB-01-073124**	**Water**			**07/31/24**			**07/31/24**
			VOCMS Group6	8260-Low			08/13/24	

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Hit Summary Sheet
SW-846

SDG No.: P3429

Client: JACOBS Engineering Group, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :								
				0.000				
			Total Svoc :			**0.00**		
			Total Concentration:			**0.00**		

SAMPLE DATA

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	07/31/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	07/31/24
Client Sample ID:	926-K1-WS-073124	SDG No.:	P3429
Lab Sample ID:	P3429-01	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group6
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138847.D	1	08/01/24 08:20	08/07/24 17:36	PB162423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	1.60	U	1.60	5.10	ug/L
100-52-7	Benzaldehyde	4.10	U	4.10	10.2	ug/L
95-48-7	2-Methylphenol	1.20	U	1.20	5.10	ug/L
98-86-2	Acetophenone	1.10	U	1.10	5.10	ug/L
65794-96-9	3+4-Methylphenols	1.20	U	1.20	10.2	ug/L
98-95-3	Nitrobenzene	1.30	U	1.30	5.10	ug/L
120-83-2	2,4-Dichlorophenol	0.90	U	0.90	5.10	ug/L
91-20-3	Naphthalene	1.00	U	1.00	5.10	ug/L
87-68-3	Hexachlorobutadiene	1.30	U	1.30	5.10	ug/L
91-57-6	2-Methylnaphthalene	1.20	U	1.20	5.10	ug/L
88-06-2	2,4,6-Trichlorophenol	0.91	U	0.91	5.10	ug/L
95-95-4	2,4,5-Trichlorophenol	1.00	U	1.00	5.10	ug/L
208-96-8	Acenaphthylene	1.10	U	1.10	5.10	ug/L
83-32-9	Acenaphthene	0.83	U	0.83	5.10	ug/L
132-64-9	Dibenzofuran	0.95	U	0.95	5.10	ug/L
86-73-7	Fluorene	0.98	U	0.98	5.10	ug/L
118-74-1	Hexachlorobenzene	1.20	U	1.20	5.10	ug/L
87-86-5	Pentachlorophenol	1.90	U	1.90	10.2	ug/L
85-01-8	Phenanthrene	0.91	U	0.91	5.10	ug/L
86-74-8	Carbazole	1.20	U	1.20	5.10	ug/L
84-74-2	Di-n-butylphthalate	1.50	U	1.50	5.10	ug/L
206-44-0	Fluoranthene	1.30	U	1.30	5.10	ug/L
129-00-0	Pyrene	1.10	U	1.10	5.10	ug/L
56-55-3	Benzo(a)anthracene	0.96	U	0.96	5.10	ug/L
218-01-9	Chrysene	0.88	U	0.88	5.10	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.90	U	1.90	5.10	ug/L
205-99-2	Benzo(b)fluoranthene	1.20	U	1.20	5.10	ug/L
207-08-9	Benzo(k)fluoranthene	1.20	U	1.20	5.10	ug/L
50-32-8	Benzo(a)pyrene	1.70	U	1.70	5.10	ug/L

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	07/31/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	07/31/24
Client Sample ID:	926-K1-WS-073124	SDG No.:	P3429
Lab Sample ID:	P3429-01	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group6
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138847.D	1	08/01/24 08:20	08/07/24 17:36	PB162423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
193-39-5	Indeno(1,2,3-cd)pyrene	1.00	U	1.00	5.10	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.20	U	1.20	5.10	ug/L
191-24-2	Benzo(g,h,i)perylene	1.20	U	1.20	5.10	ug/L
123-91-1	1,4-Dioxane	1.30	U	1.30	5.10	ug/L
90-12-0	1-Methylnaphthalene	0.88	U	0.88	5.10	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	65.5		15 (10) - 110 (139)	44%	SPK: 150
13127-88-3	Phenol-d6	39.2		15 (10) - 110 (134)	26%	SPK: 150
4165-60-0	Nitrobenzene-d5	93.2		30 (49) - 130 (133)	93%	SPK: 100
321-60-8	2-Fluorobiphenyl	96.2		30 (52) - 130 (132)	96%	SPK: 100
118-79-6	2,4,6-Tribromophenol	147		15 (32) - 110 (145)	98%	SPK: 150
1718-51-0	Terphenyl-d14	108		30 (36) - 130 (145)	108%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	42800	6.84			
1146-65-2	Naphthalene-d8	180000	8.122			
15067-26-2	Acenaphthene-d10	99200	9.869			
1517-22-2	Phenanthrene-d10	164000	11.357			
1719-03-5	Chrysene-d12	80800	13.998			
1520-96-3	Perylene-d12	84700	15.457			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	07/31/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	07/31/24
Client Sample ID:	931-K1-WS-073124	SDG No.:	P3429
Lab Sample ID:	P3429-02	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group6
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138848.D	1	08/01/24 08:20	08/07/24 18:06	PB162423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	1.60	U	1.60	5.10	ug/L
100-52-7	Benzaldehyde	4.00	U	4.00	10.1	ug/L
95-48-7	2-Methylphenol	1.10	U	1.10	5.10	ug/L
98-86-2	Acetophenone	1.10	U	1.10	5.10	ug/L
65794-96-9	3+4-Methylphenols	1.20	U	1.20	10.1	ug/L
98-95-3	Nitrobenzene	1.30	U	1.30	5.10	ug/L
120-83-2	2,4-Dichlorophenol	0.89	U	0.89	5.10	ug/L
91-20-3	Naphthalene	1.00	U	1.00	5.10	ug/L
87-68-3	Hexachlorobutadiene	1.30	U	1.30	5.10	ug/L
91-57-6	2-Methylnaphthalene	1.10	U	1.10	5.10	ug/L
88-06-2	2,4,6-Trichlorophenol	0.90	U	0.90	5.10	ug/L
95-95-4	2,4,5-Trichlorophenol	1.00	U	1.00	5.10	ug/L
208-96-8	Acenaphthylene	1.10	U	1.10	5.10	ug/L
83-32-9	Acenaphthene	0.82	U	0.82	5.10	ug/L
132-64-9	Dibenzofuran	0.94	U	0.94	5.10	ug/L
86-73-7	Fluorene	0.97	U	0.97	5.10	ug/L
118-74-1	Hexachlorobenzene	1.20	U	1.20	5.10	ug/L
87-86-5	Pentachlorophenol	1.90	U	1.90	10.1	ug/L
85-01-8	Phenanthrene	0.90	U	0.90	5.10	ug/L
86-74-8	Carbazole	1.20	U	1.20	5.10	ug/L
84-74-2	Di-n-butylphthalate	1.50	U	1.50	5.10	ug/L
206-44-0	Fluoranthene	1.30	U	1.30	5.10	ug/L
129-00-0	Pyrene	1.10	U	1.10	5.10	ug/L
56-55-3	Benzo(a)anthracene	0.95	U	0.95	5.10	ug/L
218-01-9	Chrysene	0.87	U	0.87	5.10	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.90	U	1.90	5.10	ug/L
205-99-2	Benzo(b)fluoranthene	1.20	U	1.20	5.10	ug/L
207-08-9	Benzo(k)fluoranthene	1.20	U	1.20	5.10	ug/L
50-32-8	Benzo(a)pyrene	1.70	U	1.70	5.10	ug/L

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	07/31/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	07/31/24
Client Sample ID:	931-K1-WS-073124	SDG No.:	P3429
Lab Sample ID:	P3429-02	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group6
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138848.D	1	08/01/24 08:20	08/07/24 18:06	PB162423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
193-39-5	Indeno(1,2,3-cd)pyrene	1.00	U	1.00	5.10	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.20	U	1.20	5.10	ug/L
191-24-2	Benzo(g,h,i)perylene	1.20	U	1.20	5.10	ug/L
123-91-1	1,4-Dioxane	1.30	U	1.30	5.10	ug/L
90-12-0	1-Methylnaphthalene	0.87	U	0.87	5.10	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	58.9		15 (10) - 110 (139)	39%	SPK: 150
13127-88-3	Phenol-d6	36.0		15 (10) - 110 (134)	24%	SPK: 150
4165-60-0	Nitrobenzene-d5	89.1		30 (49) - 130 (133)	89%	SPK: 100
321-60-8	2-Fluorobiphenyl	91.0		30 (52) - 130 (132)	91%	SPK: 100
118-79-6	2,4,6-Tribromophenol	137		15 (32) - 110 (145)	91%	SPK: 150
1718-51-0	Terphenyl-d14	91.7		30 (36) - 130 (145)	92%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	45600	6.84			
1146-65-2	Naphthalene-d8	185000	8.122			
15067-26-2	Acenaphthene-d10	102000	9.869			
1517-22-2	Phenanthrene-d10	162000	11.357			
1719-03-5	Chrysene-d12	78700	13.998			
1520-96-3	Perylene-d12	84500	15.457			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	07/31/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	07/31/24
Client Sample ID:	925-K1-WS-073124	SDG No.:	P3429
Lab Sample ID:	P3429-03	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group6
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138849.D	1	08/01/24 08:20	08/07/24 18:36	PB162423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	1.60	U	1.60	5.20	ug/L
100-52-7	Benzaldehyde	4.20	U	4.20	10.4	ug/L
95-48-7	2-Methylphenol	1.20	U	1.20	5.20	ug/L
98-86-2	Acetophenone	1.10	U	1.10	5.20	ug/L
65794-96-9	3+4-Methylphenols	1.20	U	1.20	10.4	ug/L
98-95-3	Nitrobenzene	1.30	U	1.30	5.20	ug/L
120-83-2	2,4-Dichlorophenol	0.92	U	0.92	5.20	ug/L
91-20-3	Naphthalene	1.10	U	1.10	5.20	ug/L
87-68-3	Hexachlorobutadiene	1.30	U	1.30	5.20	ug/L
91-57-6	2-Methylnaphthalene	1.20	U	1.20	5.20	ug/L
88-06-2	2,4,6-Trichlorophenol	0.93	U	0.93	5.20	ug/L
95-95-4	2,4,5-Trichlorophenol	1.10	U	1.10	5.20	ug/L
208-96-8	Acenaphthylene	1.10	U	1.10	5.20	ug/L
83-32-9	Acenaphthene	0.84	U	0.84	5.20	ug/L
132-64-9	Dibenzofuran	0.97	U	0.97	5.20	ug/L
86-73-7	Fluorene	1.00	U	1.00	5.20	ug/L
118-74-1	Hexachlorobenzene	1.20	U	1.20	5.20	ug/L
87-86-5	Pentachlorophenol	1.90	U	1.90	10.4	ug/L
85-01-8	Phenanthrene	0.93	U	0.93	5.20	ug/L
86-74-8	Carbazole	1.20	U	1.20	5.20	ug/L
84-74-2	Di-n-butylphthalate	1.50	U	1.50	5.20	ug/L
206-44-0	Fluoranthene	1.30	U	1.30	5.20	ug/L
129-00-0	Pyrene	1.10	U	1.10	5.20	ug/L
56-55-3	Benzo(a)anthracene	0.98	U	0.98	5.20	ug/L
218-01-9	Chrysene	0.90	U	0.90	5.20	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	2.00	U	2.00	5.20	ug/L
205-99-2	Benzo(b)fluoranthene	1.20	U	1.20	5.20	ug/L
207-08-9	Benzo(k)fluoranthene	1.20	U	1.20	5.20	ug/L
50-32-8	Benzo(a)pyrene	1.70	U	1.70	5.20	ug/L

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Fax : 908 789 8922

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	07/31/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	07/31/24
Client Sample ID:	925-K1-WS-073124	SDG No.:	P3429
Lab Sample ID:	P3429-03	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group6
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138849.D	1	08/01/24 08:20	08/07/24 18:36	PB162423

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
193-39-5	Indeno(1,2,3-cd)pyrene	1.10	U	1.10	5.20	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.20	U	1.20	5.20	ug/L
191-24-2	Benzo(g,h,i)perylene	1.20	U	1.20	5.20	ug/L
123-91-1	1,4-Dioxane	1.30	U	1.30	5.20	ug/L
90-12-0	1-Methylnaphthalene	0.90	U	0.90	5.20	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	64.5		15 (10) - 110 (139)	43%	SPK: 150
13127-88-3	Phenol-d6	38.1		15 (10) - 110 (134)	25%	SPK: 150
4165-60-0	Nitrobenzene-d5	99.7		30 (49) - 130 (133)	100%	SPK: 100
321-60-8	2-Fluorobiphenyl	105		30 (52) - 130 (132)	105%	SPK: 100
118-79-6	2,4,6-Tribromophenol	162		15 (32) - 110 (145)	108%	SPK: 150
1718-51-0	Terphenyl-d14	111		30 (36) - 130 (145)	111%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	41200	6.84			
1146-65-2	Naphthalene-d8	167000	8.122			
15067-26-2	Acenaphthene-d10	91000	9.869			
1517-22-2	Phenanthrene-d10	146000	11.357			
1719-03-5	Chrysene-d12	69900	13.992			
1520-96-3	Perylene-d12	75500	15.457			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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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

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LAB CHRONICLE

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

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P3429-01	**926-K1-WS-073124**	**Water**			**07/31/24**			**07/31/24**
			SVOCMS Group6	8270E		08/01/24	08/07/24	
			SVOC-SIMGroup1	8270-Modified		08/01/24	08/03/24	
P3429-02	**931-K1-WS-073124**	**Water**			**07/31/24**			**07/31/24**
			SVOCMS Group6	8270E		08/01/24	08/07/24	
			SVOC-SIMGroup1	8270-Modified		08/01/24	08/03/24	
P3429-03	**925-K1-WS-073124**	**Water**			**07/31/24**			**07/31/24**
			SVOCMS Group6	8270E		08/01/24	08/07/24	
			SVOC-SIMGroup1	8270-Modified		08/01/24	08/03/24	

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Hit Summary Sheet
SW-846

SDG No.: P3429

Client: JACOBS Engineering Group, Inc.

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID : 926-K1-WS-073124								
P3429-01	926-K1-WS-073124	WATER	1,4-Dioxane	0.170	J	0.07	0.2	ug/L
			Total Svoc :	**0.17**				
			Total Concentration:	**0.17**				
Client ID : 925-K1-WS-073124								
P3429-03	925-K1-WS-073124	WATER	Fluoranthene	0.030	J	0.02	0.1	ug/L
P3429-03	925-K1-WS-073124	WATER	Pyrene	0.030	J	0.02	0.1	ug/L
P3429-03	925-K1-WS-073124	WATER	Benzo(b)fluoranthene	0.030	J	0.03	0.1	ug/L
P3429-03	925-K1-WS-073124	WATER	1,4-Dioxane	0.440		0.07	0.2	ug/L
			Total Svoc :	**0.53**				
			Total Concentration:	**0.53**				

SAMPLE DATA

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	07/31/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	07/31/24
Client Sample ID:	926-K1-WS-073124	SDG No.:	P3429
Lab Sample ID:	P3429-01	Matrix:	Water
Analytical Method:	SW8270SIM	% 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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN033224.D	1	08/01/24 08:58	08/03/24 04:52	PB162424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
91-20-3	Naphthalene	0.020	U	0.020	0.10	ug/L
91-57-6	2-Methylnaphthalene	0.030	U	0.030	0.10	ug/L
208-96-8	Acenaphthylene	0.020	U	0.020	0.10	ug/L
83-32-9	Acenaphthene	0.020	U	0.020	0.10	ug/L
86-73-7	Fluorene	0.020	U	0.020	0.10	ug/L
85-01-8	Phenanthrene	0.020	U	0.020	0.10	ug/L
120-12-7	Anthracene	0.020	U	0.020	0.10	ug/L
206-44-0	Fluoranthene	0.020	U	0.020	0.10	ug/L
129-00-0	Pyrene	0.020	U	0.020	0.10	ug/L
56-55-3	Benzo(a)anthracene	0.020	U	0.020	0.10	ug/L
218-01-9	Chrysene	0.030	U	0.030	0.10	ug/L
205-99-2	Benzo(b)fluoranthene	0.030	U	0.030	0.10	ug/L
207-08-9	Benzo(k)fluoranthene	0.030	U	0.030	0.10	ug/L
50-32-8	Benzo(a)pyrene	0.060	U	0.060	0.10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.040	U	0.040	0.10	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.040	U	0.040	0.10	ug/L
191-24-2	Benzo(g,h,i)perylene	0.040	U	0.040	0.10	ug/L
123-91-1	1,4-Dioxane	0.17	J	0.070	0.20	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.27		30 (30) - 150 (150)	67%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.29		30 (30) - 150 (150)	72%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.35		30 (11) - 130 (175)	86%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.30		30 (10) - 130 (175)	75%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.36		30 (54) - 130 (171)	91%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2820	7.546			
1146-65-2	Naphthalene-d8	9530	10.308			
15067-26-2	Acenaphthene-d10	5490	14.143			
1517-22-2	Phenanthrene-d10	10800	16.914			

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	07/31/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	07/31/24
Client Sample ID:	926-K1-WS-073124	SDG No.:	P3429
Lab Sample ID:	P3429-01	Matrix:	Water
Analytical Method:	SW8270SIM	% 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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN033224.D	1	08/01/24 08:58	08/03/24 04:52	PB162424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1719-03-5	Chrysene-d12	8090	21.131			
1520-96-3	Perylene-d12	8930	23.301			

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

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

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	07/31/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	07/31/24
Client Sample ID:	931-K1-WS-073124	SDG No.:	P3429
Lab Sample ID:	P3429-02	Matrix:	Water
Analytical Method:	SW8270SIM	% 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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN033225.D	1	08/01/24 08:58	08/03/24 05:28	PB162424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
91-20-3	Naphthalene	0.020	U	0.020	0.10	ug/L
91-57-6	2-Methylnaphthalene	0.030	U	0.030	0.10	ug/L
208-96-8	Acenaphthylene	0.020	U	0.020	0.10	ug/L
83-32-9	Acenaphthene	0.020	U	0.020	0.10	ug/L
86-73-7	Fluorene	0.020	U	0.020	0.10	ug/L
85-01-8	Phenanthrene	0.020	U	0.020	0.10	ug/L
120-12-7	Anthracene	0.020	U	0.020	0.10	ug/L
206-44-0	Fluoranthene	0.020	U	0.020	0.10	ug/L
129-00-0	Pyrene	0.020	U	0.020	0.10	ug/L
56-55-3	Benzo(a)anthracene	0.020	U	0.020	0.10	ug/L
218-01-9	Chrysene	0.030	U	0.030	0.10	ug/L
205-99-2	Benzo(b)fluoranthene	0.030	U	0.030	0.10	ug/L
207-08-9	Benzo(k)fluoranthene	0.030	U	0.030	0.10	ug/L
50-32-8	Benzo(a)pyrene	0.060	U	0.060	0.10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.040	U	0.040	0.10	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.040	U	0.040	0.10	ug/L
191-24-2	Benzo(g,h,i)perylene	0.040	U	0.040	0.10	ug/L
123-91-1	1,4-Dioxane	0.070	U	0.070	0.20	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.27		30 (30) - 150 (150)	68%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.31		30 (30) - 150 (150)	76%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.36		30 (11) - 130 (175)	90%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.34		30 (10) - 130 (175)	84%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.39		30 (54) - 130 (171)	97%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2740	7.517			
1146-65-2	Naphthalene-d8	9930	10.265			
15067-26-2	Acenaphthene-d10	5090	14.137			
1517-22-2	Phenanthrene-d10	10200	16.908			

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	07/31/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	07/31/24
Client Sample ID:	931-K1-WS-073124	SDG No.:	P3429
Lab Sample ID:	P3429-02	Matrix:	Water
Analytical Method:	SW8270SIM	% 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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN033225.D	1	08/01/24 08:58	08/03/24 05:28	PB162424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1719-03-5	Chrysene-d12	8230	21.125			
1520-96-3	Perylene-d12	9150	23.303			

U = Not Detected
LOQ = Limit of Quantitation
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B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	07/31/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	07/31/24
Client Sample ID:	925-K1-WS-073124	SDG No.:	P3429
Lab Sample ID:	P3429-03	Matrix:	Water
Analytical Method:	SW8270SIM	% 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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN033226.D	1	08/01/24 08:58	08/03/24 06:04	PB162424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
91-20-3	Naphthalene	0.020	U	0.020	0.10	ug/L
91-57-6	2-Methylnaphthalene	0.030	U	0.030	0.10	ug/L
208-96-8	Acenaphthylene	0.020	U	0.020	0.10	ug/L
83-32-9	Acenaphthene	0.020	U	0.020	0.10	ug/L
86-73-7	Fluorene	0.020	U	0.020	0.10	ug/L
85-01-8	Phenanthrene	0.020	U	0.020	0.10	ug/L
120-12-7	Anthracene	0.020	U	0.020	0.10	ug/L
206-44-0	Fluoranthene	0.030	J	0.020	0.10	ug/L
129-00-0	Pyrene	0.030	J	0.020	0.10	ug/L
56-55-3	Benzo(a)anthracene	0.020	U	0.020	0.10	ug/L
218-01-9	Chrysene	0.030	U	0.030	0.10	ug/L
205-99-2	Benzo(b)fluoranthene	0.030	J	0.030	0.10	ug/L
207-08-9	Benzo(k)fluoranthene	0.030	U	0.030	0.10	ug/L
50-32-8	Benzo(a)pyrene	0.060	U	0.060	0.10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.040	U	0.040	0.10	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.040	U	0.040	0.10	ug/L
191-24-2	Benzo(g,h,i)perylene	0.040	U	0.040	0.10	ug/L
123-91-1	1,4-Dioxane	0.44		0.070	0.20	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.29		30 (30) - 150 (150)	73%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.33		30 (30) - 150 (150)	81%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.22		30 (11) - 130 (175)	54%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.34		30 (10) - 130 (175)	84%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.44		30 (54) - 130 (171)	111%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2640	7.532			
1146-65-2	Naphthalene-d8	9710	10.276			
15067-26-2	Acenaphthene-d10	5270	14.137			
1517-22-2	Phenanthrene-d10	11000	16.908			

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	07/31/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	07/31/24
Client Sample ID:	925-K1-WS-073124	SDG No.:	P3429
Lab Sample ID:	P3429-03	Matrix:	Water
Analytical Method:	SW8270SIM	% 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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN033226.D	1	08/01/24 08:58	08/03/24 06:04	PB162424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1719-03-5	Chrysene-d12	7650	21.125			
1520-96-3	Perylene-d12	8320	23.303			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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LAB CHRONICLE

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

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P3429-01	**926-K1-WS-073124**	**Water**			**07/31/24**			**07/31/24**
			SVOC-SIMGroup1	8270-Modified		08/01/24	08/03/24	
P3429-02	**931-K1-WS-073124**	**Water**			**07/31/24**			**07/31/24**
			SVOC-SIMGroup1	8270-Modified		08/01/24	08/03/24	
P3429-03	**925-K1-WS-073124**	**Water**			**07/31/24**			**07/31/24**
			SVOC-SIMGroup1	8270-Modified		08/01/24	08/03/24	

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Hit Summary Sheet
SW-846

SDG No.: P3429 **Order ID:** P3429

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

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : 926-K1-WS-073124								
P3429-01	926-K1-WS-073124	Water	Aluminum	22.2		1.98	20.0	ug/L
P3429-01	926-K1-WS-073124	Water	Arsenic	1.46		0.090	1.00	ug/L
P3429-01	926-K1-WS-073124	Water	Barium	239		0.30	10.0	ug/L
P3429-01	926-K1-WS-073124	Water	Calcium	37300		62.5	500	ug/L
P3429-01	926-K1-WS-073124	Water	Chromium	0.65	J	0.40	2.00	ug/L
P3429-01	926-K1-WS-073124	Water	Cobalt	1.19		0.062	1.00	ug/L
P3429-01	926-K1-WS-073124	Water	Copper	1.32	J	0.40	2.00	ug/L
P3429-01	926-K1-WS-073124	Water	Iron	4770		9.60	50.0	ug/L
P3429-01	926-K1-WS-073124	Water	Lead	0.45	J	0.11	1.00	ug/L
P3429-01	926-K1-WS-073124	Water	Magnesium	12800		26.6	500	ug/L
P3429-01	926-K1-WS-073124	Water	Manganese	8400		0.24	1.00	ug/L
P3429-01	926-K1-WS-073124	Water	Nickel	1.27		0.18	1.00	ug/L
P3429-01	926-K1-WS-073124	Water	Potassium	6050		46.1	500	ug/L
P3429-01	926-K1-WS-073124	Water	Tin	1.09	J	0.12	5.00	ug/L
P3429-01	926-K1-WS-073124	Water	Sodium	194000		85.8	500	ug/L
P3429-01	926-K1-WS-073124	Water	Vanadium	0.33	J	0.072	5.00	ug/L
P3429-01	926-K1-WS-073124	Water	Zinc	31.4		0.56	5.00	ug/L
P3429-01	926-K1-WS-073124	Water	Strontium	283		0.35	1.00	ug/L
P3429-01	926-K1-WS-073124	Water	Titanium	0.52	J	0.26	5.00	ug/L
Client ID : 931-K1-WS-073124								
P3429-02	931-K1-WS-073124	Water	Aluminum	198		1.98	20.0	ug/L
P3429-02	931-K1-WS-073124	Water	Antimony	0.22	J	0.11	2.00	ug/L
P3429-02	931-K1-WS-073124	Water	Arsenic	7.65		0.090	1.00	ug/L
P3429-02	931-K1-WS-073124	Water	Barium	109		0.30	10.0	ug/L
P3429-02	931-K1-WS-073124	Water	Calcium	10100		62.5	500	ug/L
P3429-02	931-K1-WS-073124	Water	Chromium	3.54		0.40	2.00	ug/L
P3429-02	931-K1-WS-073124	Water	Cobalt	6.24		0.062	1.00	ug/L
P3429-02	931-K1-WS-073124	Water	Copper	3.00		0.40	2.00	ug/L
P3429-02	931-K1-WS-073124	Water	Iron	11100		9.60	50.0	ug/L
P3429-02	931-K1-WS-073124	Water	Lead	1.95		0.11	1.00	ug/L
P3429-02	931-K1-WS-073124	Water	Magnesium	3520		26.6	500	ug/L
P3429-02	931-K1-WS-073124	Water	Manganese	1440		0.24	1.00	ug/L
P3429-02	931-K1-WS-073124	Water	Nickel	10.6		0.18	1.00	ug/L
P3429-02	931-K1-WS-073124	Water	Potassium	2820		46.1	500	ug/L
P3429-02	931-K1-WS-073124	Water	Tin	0.68	J	0.12	5.00	ug/L
P3429-02	931-K1-WS-073124	Water	Sodium	52100		85.8	500	ug/L
P3429-02	931-K1-WS-073124	Water	Vanadium	2.20	J	0.072	5.00	ug/L

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Hit Summary Sheet
SW-846

SDG No.: P3429 **Order ID:** P3429

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

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P3429-02	931-K1-WS-073124	Water	Zinc	31.7		0.56	5.00	ug/L
P3429-02	931-K1-WS-073124	Water	Strontium	66.3		0.35	1.00	ug/L
P3429-02	931-K1-WS-073124	Water	Titanium	2.99	J	0.26	5.00	ug/L
Client ID : 925-K1-WS-073124								
P3429-03	925-K1-WS-073124	Water	Aluminum	151		1.98	20.0	ug/L
P3429-03	925-K1-WS-073124	Water	Arsenic	4.67		0.090	1.00	ug/L
P3429-03	925-K1-WS-073124	Water	Barium	273		0.30	10.0	ug/L
P3429-03	925-K1-WS-073124	Water	Calcium	35500		62.5	500	ug/L
P3429-03	925-K1-WS-073124	Water	Chromium	0.75	J	0.40	2.00	ug/L
P3429-03	925-K1-WS-073124	Water	Cobalt	1.57		0.062	1.00	ug/L
P3429-03	925-K1-WS-073124	Water	Copper	2.27		0.40	2.00	ug/L
P3429-03	925-K1-WS-073124	Water	Iron	24700		9.60	50.0	ug/L
P3429-03	925-K1-WS-073124	Water	Lead	2.05		0.11	1.00	ug/L
P3429-03	925-K1-WS-073124	Water	Magnesium	11600		26.6	500	ug/L
P3429-03	925-K1-WS-073124	Water	Manganese	8030		0.24	1.00	ug/L
P3429-03	925-K1-WS-073124	Water	Nickel	3.49		0.18	1.00	ug/L
P3429-03	925-K1-WS-073124	Water	Mercury	0.13	J	0.081	0.20	ug/L
P3429-03	925-K1-WS-073124	Water	Potassium	5570		46.1	500	ug/L
P3429-03	925-K1-WS-073124	Water	Tin	1.97	J	0.12	5.00	ug/L
P3429-03	925-K1-WS-073124	Water	Silver	1.51		0.077	1.00	ug/L
P3429-03	925-K1-WS-073124	Water	Sodium	168000		85.8	500	ug/L
P3429-03	925-K1-WS-073124	Water	Vanadium	8.01		0.072	5.00	ug/L
P3429-03	925-K1-WS-073124	Water	Zinc	42.7		0.56	5.00	ug/L
P3429-03	925-K1-WS-073124	Water	Strontium	284		0.35	1.00	ug/L
P3429-03	925-K1-WS-073124	Water	Titanium	3.65	J	0.26	5.00	ug/L

SAMPLE DATA

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	07/31/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	07/31/24
Client Sample ID:	926-K1-WS-073124	SDG No.:	P3429
Lab Sample ID:	P3429-01	Matrix:	Water
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	22.2		1	1.98	20.0	ug/L	08/23/24 15:00	08/25/24 17:47	SW6020	3010A
7440-36-0	Antimony	0.11	U	1	0.11	2.00	ug/L	08/23/24 15:00	08/25/24 17:47	SW6020	3010A
7440-38-2	Arsenic	1.46		1	0.090	1.00	ug/L	08/23/24 15:00	08/25/24 17:47	SW6020	3010A
7440-39-3	Barium	239		1	0.30	10.0	ug/L	08/23/24 15:00	08/25/24 17:47	SW6020	3010A
7440-41-7	Beryllium	0.16	U	1	0.16	1.00	ug/L	08/23/24 15:00	08/25/24 17:47	SW6020	3010A
7440-43-9	Cadmium	0.30	U	1	0.30	1.00	ug/L	08/23/24 15:00	08/25/24 17:47	SW6020	3010A
7440-70-2	Calcium	37300		1	62.5	500	ug/L	08/23/24 15:00	08/25/24 17:47	SW6020	3010A
7440-47-3	Chromium	0.65	J	1	0.40	2.00	ug/L	08/23/24 15:00	08/25/24 17:47	SW6020	3010A
7440-48-4	Cobalt	1.19		1	0.062	1.00	ug/L	08/23/24 15:00	08/25/24 17:47	SW6020	3010A
7440-50-8	Copper	1.32	J	1	0.40	2.00	ug/L	08/23/24 15:00	08/25/24 17:47	SW6020	3010A
7439-89-6	Iron	4770		1	9.60	50.0	ug/L	08/23/24 15:00	08/25/24 17:47	SW6020	3010A
7439-92-1	Lead	0.45	J	1	0.11	1.00	ug/L	08/23/24 15:00	08/25/24 17:47	SW6020	3010A
7439-95-4	Magnesium	12800		1	26.6	500	ug/L	08/23/24 15:00	08/25/24 17:47	SW6020	3010A
7439-96-5	Manganese	8400		1	0.24	1.00	ug/L	08/23/24 15:00	08/25/24 17:47	SW6020	3010A
7439-97-6	Mercury	0.081	U	1	0.081	0.20	ug/L	08/12/24 16:13	08/13/24 10:16	SW7470A	
7439-98-7	Molybdenum	0.93	U	1	0.93	5.00	ug/L	08/23/24 15:00	08/25/24 17:47	SW6020	3010A
7440-02-0	Nickel	1.27		1	0.18	1.00	ug/L	08/23/24 15:00	08/25/24 17:47	SW6020	3010A
7440-09-7	Potassium	6050		1	46.1	500	ug/L	08/23/24 15:00	08/25/24 17:47	SW6020	3010A
7782-49-2	Selenium	1.38	U	1	1.38	5.00	ug/L	08/23/24 15:00	08/25/24 17:47	SW6020	3010A
7440-22-4	Silver	0.077	UN	1	0.077	1.00	ug/L	08/23/24 15:00	08/25/24 17:47	SW6020	3010A
7440-23-5	Sodium	194000		1	85.8	500	ug/L	08/23/24 15:00	08/25/24 17:47	SW6020	3010A
7440-24-6	Strontium	283	N	1	0.35	1.00	ug/L	08/23/24 15:00	08/25/24 17:47	SW6020	3010A
7440-28-0	Thallium	0.085	U	1	0.085	1.00	ug/L	08/23/24 15:00	08/25/24 17:47	SW6020	3010A
7440-31-5	Tin	1.09	J	1	0.12	5.00	ug/L	08/23/24 15:00	08/25/24 17:47	SW6020	3010A
7440-32-6	Titanium	0.52	JN	1	0.26	5.00	ug/L	08/23/24 15:00	08/25/24 17:47	SW6020	3010A
7440-62-2	Vanadium	0.33	J	1	0.072	5.00	ug/L	08/23/24 15:00	08/25/24 17:47	SW6020	3010A
7440-66-6	Zinc	31.4		1	0.56	5.00	ug/L	08/23/24 15:00	08/25/24 17:47	SW6020	3010A

Color Before:	Colorless	Clarity Before:	Clear	Texture:	Medium
Color After:	Colorless	Clarity After:	N/A	Artifacts:	N/A
Comments:	Mercury				

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

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	07/31/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	07/31/24
Client Sample ID:	931-K1-WS-073124	SDG No.:	P3429
Lab Sample ID:	P3429-02	Matrix:	Water
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	198		1	1.98	20.0	ug/L	08/23/24 15:00	08/25/24 17:50	SW6020	3010A
7440-36-0	Antimony	0.22	J	1	0.11	2.00	ug/L	08/23/24 15:00	08/25/24 17:50	SW6020	3010A
7440-38-2	Arsenic	7.65		1	0.090	1.00	ug/L	08/23/24 15:00	08/25/24 17:50	SW6020	3010A
7440-39-3	Barium	109		1	0.30	10.0	ug/L	08/23/24 15:00	08/25/24 17:50	SW6020	3010A
7440-41-7	Beryllium	0.16	U	1	0.16	1.00	ug/L	08/23/24 15:00	08/25/24 17:50	SW6020	3010A
7440-43-9	Cadmium	0.30	U	1	0.30	1.00	ug/L	08/23/24 15:00	08/25/24 17:50	SW6020	3010A
7440-70-2	Calcium	10100		1	62.5	500	ug/L	08/23/24 15:00	08/25/24 17:50	SW6020	3010A
7440-47-3	Chromium	3.54		1	0.40	2.00	ug/L	08/23/24 15:00	08/25/24 17:50	SW6020	3010A
7440-48-4	Cobalt	6.24		1	0.062	1.00	ug/L	08/23/24 15:00	08/25/24 17:50	SW6020	3010A
7440-50-8	Copper	3.00		1	0.40	2.00	ug/L	08/23/24 15:00	08/25/24 17:50	SW6020	3010A
7439-89-6	Iron	11100		1	9.60	50.0	ug/L	08/23/24 15:00	08/25/24 17:50	SW6020	3010A
7439-92-1	Lead	1.95		1	0.11	1.00	ug/L	08/23/24 15:00	08/25/24 17:50	SW6020	3010A
7439-95-4	Magnesium	3520		1	26.6	500	ug/L	08/23/24 15:00	08/25/24 17:50	SW6020	3010A
7439-96-5	Manganese	1440		1	0.24	1.00	ug/L	08/23/24 15:00	08/25/24 17:50	SW6020	3010A
7439-97-6	Mercury	0.081	U	1	0.081	0.20	ug/L	08/12/24 16:13	08/13/24 10:19	SW7470A	
7439-98-7	Molybdenum	0.93	U	1	0.93	5.00	ug/L	08/23/24 15:00	08/25/24 17:50	SW6020	3010A
7440-02-0	Nickel	10.6		1	0.18	1.00	ug/L	08/23/24 15:00	08/25/24 17:50	SW6020	3010A
7440-09-7	Potassium	2820		1	46.1	500	ug/L	08/23/24 15:00	08/25/24 17:50	SW6020	3010A
7782-49-2	Selenium	1.38	U	1	1.38	5.00	ug/L	08/23/24 15:00	08/25/24 17:50	SW6020	3010A
7440-22-4	Silver	0.077	UN	1	0.077	1.00	ug/L	08/23/24 15:00	08/25/24 17:50	SW6020	3010A
7440-23-5	Sodium	52100		1	85.8	500	ug/L	08/23/24 15:00	08/25/24 17:50	SW6020	3010A
7440-24-6	Strontium	66.3	N	1	0.35	1.00	ug/L	08/23/24 15:00	08/25/24 17:50	SW6020	3010A
7440-28-0	Thallium	0.085	U	1	0.085	1.00	ug/L	08/23/24 15:00	08/25/24 17:50	SW6020	3010A
7440-31-5	Tin	0.68	J	1	0.12	5.00	ug/L	08/23/24 15:00	08/25/24 17:50	SW6020	3010A
7440-32-6	Titanium	2.99	JN	1	0.26	5.00	ug/L	08/23/24 15:00	08/25/24 17:50	SW6020	3010A
7440-62-2	Vanadium	2.20	J	1	0.072	5.00	ug/L	08/23/24 15:00	08/25/24 17:50	SW6020	3010A
7440-66-6	Zinc	31.7		1	0.56	5.00	ug/L	08/23/24 15:00	08/25/24 17:50	SW6020	3010A

Color Before:	Colorless	Clarity Before:	Clear	Texture:	Medium
Color After:	Colorless	Clarity After:	N/A	Artifacts:	N/A
Comments:	Mercury				

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

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	07/31/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	07/31/24
Client Sample ID:	925-K1-WS-073124	SDG No.:	P3429
Lab Sample ID:	P3429-03	Matrix:	Water
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	151		1	1.98	20.0	ug/L	08/23/24 15:00	08/25/24 17:53	SW6020	3010A
7440-36-0	Antimony	0.11	U	1	0.11	2.00	ug/L	08/23/24 15:00	08/25/24 17:53	SW6020	3010A
7440-38-2	Arsenic	4.67		1	0.090	1.00	ug/L	08/23/24 15:00	08/25/24 17:53	SW6020	3010A
7440-39-3	Barium	273		1	0.30	10.0	ug/L	08/23/24 15:00	08/25/24 17:53	SW6020	3010A
7440-41-7	Beryllium	0.16	U	1	0.16	1.00	ug/L	08/23/24 15:00	08/25/24 17:53	SW6020	3010A
7440-43-9	Cadmium	0.30	U	1	0.30	1.00	ug/L	08/23/24 15:00	08/25/24 17:53	SW6020	3010A
7440-70-2	Calcium	35500		1	62.5	500	ug/L	08/23/24 15:00	08/25/24 17:53	SW6020	3010A
7440-47-3	Chromium	0.75	J	1	0.40	2.00	ug/L	08/23/24 15:00	08/25/24 17:53	SW6020	3010A
7440-48-4	Cobalt	1.57		1	0.062	1.00	ug/L	08/23/24 15:00	08/25/24 17:53	SW6020	3010A
7440-50-8	Copper	2.27		1	0.40	2.00	ug/L	08/23/24 15:00	08/25/24 17:53	SW6020	3010A
7439-89-6	Iron	24700		1	9.60	50.0	ug/L	08/23/24 15:00	08/25/24 17:53	SW6020	3010A
7439-92-1	Lead	2.05		1	0.11	1.00	ug/L	08/23/24 15:00	08/25/24 17:53	SW6020	3010A
7439-95-4	Magnesium	11600		1	26.6	500	ug/L	08/23/24 15:00	08/25/24 17:53	SW6020	3010A
7439-96-5	Manganese	8030		1	0.24	1.00	ug/L	08/23/24 15:00	08/25/24 17:53	SW6020	3010A
7439-97-6	Mercury	0.13	J	1	0.081	0.20	ug/L	08/12/24 16:13	08/13/24 10:21	SW7470A	
7439-98-7	Molybdenum	0.93	U	1	0.93	5.00	ug/L	08/23/24 15:00	08/25/24 17:53	SW6020	3010A
7440-02-0	Nickel	3.49		1	0.18	1.00	ug/L	08/23/24 15:00	08/25/24 17:53	SW6020	3010A
7440-09-7	Potassium	5570		1	46.1	500	ug/L	08/23/24 15:00	08/25/24 17:53	SW6020	3010A
7782-49-2	Selenium	1.38	U	1	1.38	5.00	ug/L	08/23/24 15:00	08/25/24 17:53	SW6020	3010A
7440-22-4	Silver	1.51	N	1	0.077	1.00	ug/L	08/23/24 15:00	08/25/24 17:53	SW6020	3010A
7440-23-5	Sodium	168000		1	85.8	500	ug/L	08/23/24 15:00	08/25/24 17:53	SW6020	3010A
7440-24-6	Strontium	284	N	1	0.35	1.00	ug/L	08/23/24 15:00	08/25/24 17:53	SW6020	3010A
7440-28-0	Thallium	0.085	U	1	0.085	1.00	ug/L	08/23/24 15:00	08/25/24 17:53	SW6020	3010A
7440-31-5	Tin	1.97	J	1	0.12	5.00	ug/L	08/23/24 15:00	08/25/24 17:53	SW6020	3010A
7440-32-6	Titanium	3.65	JN	1	0.26	5.00	ug/L	08/23/24 15:00	08/25/24 17:53	SW6020	3010A
7440-62-2	Vanadium	8.01		1	0.072	5.00	ug/L	08/23/24 15:00	08/25/24 17:53	SW6020	3010A
7440-66-6	Zinc	42.7		1	0.56	5.00	ug/L	08/23/24 15:00	08/25/24 17:53	SW6020	3010A

Color Before:	Colorless	Clarity Before:	Clear	Texture:	Medium
Color After:	Colorless	Clarity After:	N/A	Artifacts:	N/A
Comments:	Mercury				

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

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

LAB CHRONICLE

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

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P3429-01	**926-K1-WS-073124**	**Water**			**07/31/24**			**07/31/24**
			Mercury	7470A		08/12/24	08/13/24	
			Metals Group4	6020B		08/23/24	08/25/24	
P3429-02	**931-K1-WS-073124**	**Water**			**07/31/24**			**07/31/24**
			Mercury	7470A		08/12/24	08/13/24	
			Metals Group4	6020B		08/23/24	08/25/24	
P3429-03	**925-K1-WS-073124**	**Water**			**07/31/24**			**07/31/24**
			Mercury	7470A		08/12/24	08/13/24	
			Metals Group4	6020B		08/23/24	08/25/24	

SAMPLE DATA

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

Report of Analysis

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

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

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time
J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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

Report of Analysis

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

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

Comments:

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

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

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

Report of Analysis

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

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

Comments:

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

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

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

LAB CHRONICLE

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

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

SHIPPING DOCUMENTS

CHEMTECH
CHAIN OF CUSTODY RECORD

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

CHEMTECH PROJECT NO. P3429
QUOTE NO.
COC Number 2041346

10
10.1

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Jacobs
ADDRESS: 412 Mt Kemble Ave Suite #100
CITY Morristown STATE: NJ ZIP: 07960
ATTENTION: John Yntema
PHONE: (281) 414-1714 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: STC PTC
PROJECT NO.: D3779922 LOCATION: Princeton Junction
PROJECT MANAGER: Mary Murphy
e-mail: Mary.Murphy@Jacobs.com
PHONE: (201) 936-0586 FAX:

CLIENT BILLING INFORMATION

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

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

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

ANALYSIS

1 VOCs 8260D
2 SVOCs + PAHs 8270E
3 Metals 6020B; Hg 7470A
4 SIM 8270E
5 Cr(VI) 7196A
6
7
8
9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
								A/E	E	B/E	E						← Specify Preservatives A-HCl D-NaOH B-HN03 E-ICE C-H2SO4 F-OTHER
1.	926-KI-WS-073124	WS		X	7/31/24	1400	6	2	2	1	1						
2.	931-KI-WS-073124	WS		X	7/31/24	1450	6	2	2	1	1						
3.	925-KI-WS-073124	WS		X	7/31/24	1575	6	2	2	1	1						
4.	TB-01-073124	DI		X	7/31/24	1600	1	1									
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

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

	DATE/TIME	
RELINQUISHED BY SAMPLER: 1.	7/31/24 1630	RECEIVED BY: 1. 1630 7-31-24
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.
RELINQUISHED BY SAMPLER: 3.	DATE/TIME: 1745 7-31-24	RECEIVED BY: 3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.5 °C
Comments: See attached table for required analytes list of ECO-VOCs, ECO-SVOCs, and ECO-metals
Short (24hr) hold time for Hexavalent Chromium!

Page ____ of ____

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

Shipment Complete ☐ YES ☐ NO

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

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (L-A-B)	L2219
Maine	2024021
Maryland	296
New Hampshire	255423
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID :	P3429 JACO05	**Order Date :**	7/31/2024 4:38:00 PM	**Project Mgr :**	YAZMEEN
Client Name :	JACOBS Engineering Grou	**Project Name :**	Former Schlumberger Site I	**Report Type :**	Level 4
Client Contact :	Mary I. Murphy	**Receive DateTime :**	7/31/2024 5:45:00 PM	**EDD Type :**	CH2MHILL
Invoice Name :	JACOBS Engineering Grou	**Purchase Order :**		**Hard Copy Date :**	
Invoice Contact :	Mary I. Murphy			**Date Signoff :**	8/1/2024 9:54:09 AM

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

Relinguished By : [signature]
Date / Time : 8-1-24 11:10

Received By : [signature]
Date / Time : 8/01/24 11:10

Storage Area : **VOA Refridgerator Room** Right 4