

## **ANALYTICAL RESULTS SUMMARY**

METALS  
GC SEMI-VOLATILES  
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 : P3475**

**ATTENTION : Mary I. Murphy**



**Laboratory Certification ID # 20012**



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# DATA OF KNOWN QUALITY CONFORMANCE/NON-CONFORMANCE SUMMARY QUESTIONNAIRE

1

Laboratory Name : Alliance Technical Group

Client : JACOBS Engineering Group, Inc.

Project Location : Princeton, NJ

Project Number : D3779922

Laboratory Sample ID(s) : P3475

Sampling Date(s) : 8/05/2024

List DKQP Methods Used (e.g., 8260,8270, et Cetra) **6020B,8082A,8270E**

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

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

## Cover Page

**Order ID :** P3475

**Project ID :** Former Schlumberger Site Princeton NJ

**Client :** JACOBS Engineering Group, Inc.

### Lab Sample Number

P3475-01  
P3475-02  
P3475-03  
P3475-04  
P3475-05  
P3475-06  
P3475-07

### Client Sample Number

S-866-N-SO-0-0.5-  
S-866-N-SO-1.0-1.5-080524  
S-866-N-SO-1.0-1.5-080524MS  
S-866-N-SO-1.0-1.5-080524MSD  
S-858-K1-SO-1.0-1.5-080524  
S-858-K1-SO-1.0-1.5-080524MS  
S-858-K1-SO-1.0-1.5-080524MSD

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: 6/3/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012



## **CASE NARRATIVE**

**JACOBS Engineering Group, Inc.**

**Project Name: Former Schlumberger Site Princeton NJ**

**Project # N/A**

**Order ID # P3475**

**Test Name: SVOCMS Group2**

### **A. Number of Samples and Date of Receipt:**

7 Solid samples were received on 08/05/2024.

### **B. Parameters**

According to the Chain of Custody document, the following analyses were requested: Metals Group5, PCB, SVOCMS Group2 and SVOCMS Group5. This data package contains results for SVOCMS Group2.

### **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 Group2 was based on method 8270E and extraction was done based on method 3541.

### **D. QA/ QC Samples:**

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for S-866-N-SO-0-0.5-080524[2-Fluorobiphenyl - 26%, Terphenyl-d14 - 28%], these compounds did not meet the NJDKQP criteria but met the in-house criteria.

The Internal Standards Areas met the acceptable requirements except for S-866-N-SO-1.0-1.5-080524, S-866-N-SO-1.0-1.5-080524MS and S-866-N-SO-1.0-1.5-080524MSD, due to matrix interference, no corrective action is required.

The Retention Times were acceptable for all samples.

The MS {P3475-03MS} with File ID: BF139008.D recoveries met the requirements for all compounds except for Benzo(a)pyrene[132%], this compound did not meet the NJDKQP criteria but met the in-house criteria.

The MSD {P3475-04MSD} with File ID: BF139009.D recoveries met the acceptable requirements except for Benzo(a)anthracene[132%], this compound did not meet the NJDKQP criteria and in-house criteria, due to matrix interference no corrective action is required.

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 met the requirements .

The Tuning criteria met requirements.

**E. Additional Comments:**

This data Package has been revised due to Client Id changed as per client request.

The Sample S-866-N-SO-1.0-1.5-080524, have the concentration of target compound below method detection limits; therefore it is not reported as Hit in Form1.

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.

---

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\_\_\_\_\_

## **CASE NARRATIVE**

**JACOBS Engineering Group, Inc.**

**Project Name: Former Schlumberger Site Princeton NJ**

**Project # N/A**

**Order ID # P3475**

**Test Name: PCB**

### **A. Number of Samples and Date of Receipt:**

7 Solid samples were received on 08/05/2024.

### **B. Parameters**

According to the Chain of Custody document, the following analyses were requested: Metals Group5, PCB and SVOCMS Group5. This data package contains results for PCB.

### **C. Analytical Techniques:**

The analyses were performed on instrument GCECD\_O. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df, Catalogue # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 µm; Catalogue # 7HM-G017-11. The analysis of PCBs was based on method 8082A and extraction was done based on method 3541.

### **D. QA/ QC Samples:**

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

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 met the requirements .

### **E. Additional Comments:**

This data Package has been revised due to Client Id changed as per client request.

The soil samples results are based on a dry weight basis.

### **F. Manual Integration Comments:**

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



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Signature\_\_\_\_\_



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## **CASE NARRATIVE**

**JACOBS Engineering Group, Inc.**

**Project Name: Former Schlumberger Site Princeton NJ**

**Project # N/A**

**Order ID# P3475**

**Test Name: Metals Group5**

### **A. Number of Samples and Date of Receipt:**

7 Solid samples were received on 08/05/2024.

### **B. Parameters:**

According to the Chain of Custody document, the following analyses were requested: Metals Group5, PCB and SVOCMS Group5. This data package contains results for Metals Group5.

### **C. Analytical Techniques:**

The analysis of Metals Group5 was based on method 6010D and digestion based on method 3050 (soils).

### **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 (S-858-K1-SO-1.0-1.5-080524MS) analysis met criteria for all samples except for Silver due to Chemical interference during Digestion Process.

The Matrix Spike Duplicate (S-858-K1-SO-1.0-1.5-080524MSD) analysis met criteria for all samples except for Silver 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 Client ID Changed as per client Request.

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Signature\_\_\_\_\_

## DATA REPORTING QUALIFIERS- INORGANIC

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

<b>J</b>	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).
<b>U</b>	Indicates the analyte was analyzed for, but not detected.
<b>ND</b>	Indicates the analyte was analyzed for, but not detected
<b>E</b>	Indicates the reported value is estimated because of the presence of interference
<b>M</b>	Indicates Duplicate injection precision not met.
<b>N</b>	Indicates the spiked sample recovery is not within control limits.
<b>S</b>	Indicates the reported value was determined by the Method of Standard Addition (MSA).
<b>*</b>	Indicates that the duplicate analysis is not within control limits.
<b>+</b>	Indicates the correlation coefficient for the MSA is less than 0.995.
<b>D</b>	Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
<b>M</b>	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
<b>OR</b>	Indicates the analyte’s concentration exceeds the calibrated range of the instrument for that specific analysis.
<b>Q</b>	Indicates the LCS did not meet the control limits requirements
<b>H</b>	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
<b>U</b>	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.
<b>ND</b>	Indicates the analyte was analyzed for, but not detected
<b>J</b>	Indicates an estimated value. This flag is used: <ol style="list-style-type: none"> <li>(1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.)</li> <li>(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.</li> </ol>
<b>B</b>	Indicates the analyte was found in the blank as well as the sample report as “12 B”.
<b>E</b>	Indicates the analyte ‘s concentration exceeds the calibrated range of the instrument for that specific analysis.
<b>D</b>	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
<b>P</b>	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”.
<b>N</b>	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.
<b>A</b>	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
<b>Q</b>	Indicates the LCS did not meet the control limits requirements

## APPENDIX A

### QA REVIEW GENERAL DOCUMENTATION

Project #: P3475

Completed

For thorough review, the report must have the following:

#### GENERAL:

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

✓

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

✓

Is the chain of custody signed and complete

✓

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

✓

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

✓

#### COVER PAGE:

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

✓

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

✓

#### CHAIN OF CUSTODY:

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

✓

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

✓

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

✓

Were the samples received within hold time

✓

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

✓

#### ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 06/03/2025



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Fax : 908 789 8922

**Hit Summary Sheet**  
**SW-846**

**SDG No.:** P3475  
**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

## Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/05/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/05/24
Client Sample ID:	S-866-N-SO-0-0.5-080524	SDG No.:	P3475
Lab Sample ID:	P3475-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.2
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group2
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139034.D	1	08/06/24 08:26	08/15/24 21:14	PB162520

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
<b>TARGETS</b>						
56-55-3	Benzo(a)anthracene	96.8	U	96.8	200	ug/Kg
50-32-8	Benzo(a)pyrene	110	U	110	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	97.4	U	97.4	200	ug/Kg
<b>SURROGATES</b>						
4165-60-0	Nitrobenzene-d5	30.3		30 (18) - 130 (107)	30%	SPK: 100
321-60-8	2-Fluorobiphenyl	26.3	*	30 (20) - 130 (109)	26%	SPK: 100
1718-51-0	Terphenyl-d14	28.3	*	30 (10) - 130 (105)	28%	SPK: 100
<b>INTERNAL STANDARDS</b>						
3855-82-1	1,4-Dichlorobenzene-d4	38800		6.834		
1146-65-2	Naphthalene-d8	154000		8.116		
15067-26-2	Acenaphthene-d10	81500		9.863		
1517-22-2	Phenanthrene-d10	134000		11.351		
1719-03-5	Chrysene-d12	66500		13.998		
1520-96-3	Perylene-d12	75100		15.462		

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:	08/05/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/05/24
Client Sample ID:	S-866-N-SO-1.0-1.5-080524	SDG No.:	P3475
Lab Sample ID:	P3475-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85.7
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group2
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139007.D	1	08/06/24 08:26	08/14/24 21:47	PB162520

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
<b>TARGETS</b>						
56-55-3	Benzo(a)anthracene	94.0	U	94.0	200	ug/Kg
50-32-8	Benzo(a)pyrene	110	U	110	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	94.6	U	94.6	200	ug/Kg
<b>SURROGATES</b>						
4165-60-0	Nitrobenzene-d5	86.4		30 (18) - 130 (107)	86%	SPK: 100
321-60-8	2-Fluorobiphenyl	73.7		30 (20) - 130 (109)	74%	SPK: 100
1718-51-0	Terphenyl-d14	81.8		30 (10) - 130 (105)	82%	SPK: 100
<b>INTERNAL STANDARDS</b>						
3855-82-1	1,4-Dichlorobenzene-d4	30200	6.834			
1146-65-2	Naphthalene-d8	98500	8.116			
15067-26-2	Acenaphthene-d10	45300	9.869			
1517-22-2	Phenanthrene-d10	90300	11.357			
1719-03-5	Chrysene-d12	59200	13.998			
1520-96-3	Perylene-d12	44600	15.463			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

LAB CHRONICLE

OrderID:	P3475	OrderDate:	8/6/2024 10:01:00 AM
Client:	JACOBS Engineering Group, Inc.	Project:	Former Schlumberger Site Princeton NJ
Contact:	Mary I. Murphy	Location:	D31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P3475-01	S-866-N-SO-0-0.5-08 0524	SOIL			08/05/24			08/05/24
			SVOCMS Group2	8270E		08/06/24	08/15/24	
P3475-02	S-866-N-SO-1.0-1.5-0 80524	SOIL			08/05/24			08/05/24
			SVOCMS Group2	8270E		08/06/24	08/14/24	

**Hit Summary Sheet**  
SW-846

**SDG No.:** P3475

**Order ID:** P3475

**Client:** JACOBS Engineering Group, Inc.

**Project ID:** Former Schlumberger Site Princeton 1

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
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**Client ID :**

**Total Concentration:** 0.000



# SAMPLE DATA

## Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/05/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/05/24
Client Sample ID:	S-866-N-SO-1.0-1.5-080524	SDG No.:	P3475
Lab Sample ID:	P3475-02	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	85.7
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO105235.D	1	08/06/24 08:40	08/06/24 17:16	PB162521

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
<b>TARGETS</b>						
12674-11-2	Aroclor-1016	4.60	U	4.60	19.8	ug/kg
11104-28-2	Aroclor-1221	4.70	U	4.70	19.8	ug/kg
11141-16-5	Aroclor-1232	4.30	U	4.30	19.8	ug/kg
53469-21-9	Aroclor-1242	4.70	U	4.70	19.8	ug/kg
12672-29-6	Aroclor-1248	6.90	U	6.90	19.8	ug/kg
11097-69-1	Aroclor-1254	3.70	U	3.70	19.8	ug/kg
37324-23-5	Aroclor-1262	5.80	U	5.80	19.8	ug/kg
11100-14-4	Aroclor-1268	4.20	U	4.20	19.8	ug/kg
11096-82-5	Aroclor-1260	3.80	U	3.80	19.8	ug/kg
<b>SURROGATES</b>						
877-09-8	Tetrachloro-m-xylene	22.0		30 (32) - 150 (144)	110%	SPK: 20
2051-24-3	Decachlorobiphenyl	12.4		30 (32) - 150 (175)	62%	SPK: 20

### Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates &gt;25% difference for detected concentrations between the two GC columns

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

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

LAB CHRONICLE

OrderID:	P3475	OrderDate:	8/6/2024 10:01:00 AM
Client:	JACOBS Engineering Group, Inc.	Project:	Former Schlumberger Site Princeton NJ
Contact:	Mary I. Murphy	Location:	D31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P3475-02	S-866-N-SO-1.0-1.5-0 80524	SOIL			08/05/24			08/05/24
			PCB	8082A		08/06/24	08/06/24	



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Fax : 908 789 8922

**Hit Summary Sheet**  
**SW-846**

<b>SDG No.:</b>	P3475	<b>Order ID:</b>	P3475
<b>Client:</b>	JACOBS Engineering Group, Inc.	<b>Project ID:</b>	Former Schlumberger Site Princeton NJ

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
<b>Client ID :</b>	<b>S-858-K1-SO-1.0-1.5-080524</b>							
P3475-05	S-858-K1-SO-1.0-1.5-080524	SOIL	Silver	10.1		0.14	0.59	mg/Kg



# SAMPLE DATA

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/05/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/05/24
Client Sample ID:	S-858-K1-SO-1.0-1.5-080524	SDG No.:	P3475
Lab Sample ID:	P3475-05	Matrix:	SOIL
Level (low/med):	low	% Solid:	73.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-22-4	Silver	10.1	N	1	0.14	0.59	mg/Kg	08/07/24 07:45	08/08/24 16:11	6010D	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	YELLOW	Clarity After:	Artifacts:	N/A
Comments:	Metals Group5			

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:	P3475	OrderDate:	8/6/2024 10:01:00 AM
Client:	JACOBS Engineering Group, Inc.	Project:	Former Schlumberger Site Princeton NJ
Contact:	Mary I. Murphy	Location:	D31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P3475-05	S-858-K1-SO-1.0-1.5-080524	SOIL	Metals Group5	6020B	08/05/24	08/07/24	08/08/24	08/05/24



# 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.

QUOTE NO.

COC Number

P3475

2041338

8

8.1

### CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: Jacobs  
ADDRESS: 417 Mt Kemble Ave Suite 1100  
CITY: Morrisstown STATE: NJ ZIP: 07960  
ATTENTION: John Yankovic  
PHONE: (201) 414-1719 FAX:

### CLIENT PROJECT INFORMATION

PROJECT NAME: STC PTC  
PROJECT NO.: D3779972 LOCATION: Princeton Junction  
PROJECT MANAGER: Mary Murphy  
e-mail: Mary.Murphy@Jacobs.com  
PHONE: (201) 936-0586 FAX:

### CLIENT BILLING INFORMATION

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

### ANALYSIS

### DATA TURNAROUND INFORMATION

FAX (RUSH) Standard TAT DAYS\*  
HARDCOPY (DATA PACKAGE): DAYS\*  
EDD: DAYS\*

\*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

### DATA DELIVERABLE INFORMATION

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

1 PAHs 2 PCBs 3 Ag 4 5 6 7 8 9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS	
			COMP	GRAB	DATE	TIME		E	E	E							← Specify Preservatives	
1.	S-866-N-SO-D-0.5-080524	SO	X		8/5/24	0910	1	1										
2.	S-866-N-SO-L-0.5-080524	SO	X		8/5/24	0930	6	3	3								MS/MSD	
3.	S-858-KI-SO-L-0.5-080524	SO	X		8/5/24	1130	3			3							MS/MSD	
4.																		
5.																		
6.																		
7.																		
8.																		
9.																		
10.																		

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

RELINQUISHED BY SAMPLER:	DATE/TIME: <u>8/5/24 1615</u>	RECEIVED BY: <u>[Signature]</u> <u>1615</u>	Conditions of bottles or coolers at receipt: <input type="checkbox"/> COMPLIANT <input type="checkbox"/> NON COMPLIANT <input type="checkbox"/> COOLER TEMP: <u>3.0</u> °C
1. <u>[Signature]</u>		1. <u>[Signature]</u>	Comments: <u>The following PAHs are to be reported only: benzo(a)anthracene, benzo(a)pyrene, and dibenzo(a)anthracene</u>
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	
2. <u>[Signature]</u>		2. <u>[Signature]</u>	
RELINQUISHED BY SAMPLER:	DATE/TIME: <u>8-3-2024</u>	RECEIVED BY:	
3. <u>[Signature]</u>		3. <u>[Signature]</u>	

Page 1 of 1

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

Shipment Complete  
☐ YES ☐ NO

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**From:** Ynfante, John <John.Ynfante@jacobs.com>  
**Sent:** Friday, May 30, 2025 7:57 PM  
**To:** Yazmeen Gomez  
**Subject:** another sample ID correction - in P3475 and P3573

EXTERNAL EMAIL - This email was sent by a person from outside your organization. Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Secured by Check Point

Yazmeen,

It was also pointed out to me that SDGs P3475 and P3573 logged in soil samples with "S0" (number zero) in the ID instead of "SO" (letter O). Can you resubmit those files with the "SO" in the sample IDs which indicates that they are soil samples in our database. Thanks.

John Ynfante  
Jacobs  
Chemist  
281-414-1719 mobile  
[John.Ynfante@jacobs.com](mailto:John.Ynfante@jacobs.com)  
[www.jacobs.com](http://www.jacobs.com)

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Maryland	296
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New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488