

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/19/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/19/24
Client Sample ID:	S-905-J-SO-0-0.5-081924-FDDL	SDG No.:	P3671
Lab Sample ID:	P3671-07DL	Matrix:	SOIL
Analytical Method:	SW8270ESIM	% Solid:	76.6
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
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
BN033613.D	10	08/21/24 09:38	08/24/24 05:57	PB162880

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
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TARGETS

91-20-3	Naphthalene	9.00	UD	9.00	43.1	ug/Kg
91-57-6	2-Methylnaphthalene	10.4	UD	10.4	43.1	ug/Kg
208-96-8	Acenaphthylene	8.20	UD	8.20	43.1	ug/Kg
83-32-9	Acenaphthene	23.5	JD	7.20	43.1	ug/Kg
86-73-7	Fluorene	20.9	JD	7.80	43.1	ug/Kg
85-01-8	Phenanthrene	370	D	8.20	43.1	ug/Kg
120-12-7	Anthracene	110	D	10.3	43.1	ug/Kg
206-44-0	Fluoranthene	1200	D	8.70	43.1	ug/Kg
129-00-0	Pyrene	810	D	12.4	43.1	ug/Kg
56-55-3	Benzo(a)anthracene	760	D	9.90	43.1	ug/Kg
218-01-9	Chrysene	650	D	11.2	43.1	ug/Kg
205-99-2	Benzo(b)fluoranthene	800	D	15.5	43.1	ug/Kg
207-08-9	Benzo(k)fluoranthene	270	D	12.8	43.1	ug/Kg
50-32-8	Benzo(a)pyrene	660	D	21.7	43.1	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	280	D	16.4	43.1	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	93.1	D	15.3	43.1	ug/Kg
191-24-2	Benzo(g,h,i)perylene	290	D	14.9	43.1	ug/Kg
123-91-1	1,4-Dioxane	29.0	UD	29.0	86.1	ug/Kg

SURROGATES

7297-45-2	2-Methylnaphthalene-d10	0.16		30 (17) - 150 (161)	40%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.12		30 (23) - 150 (138)	30%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.25		30 (33) - 130 (121)	63%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.15		30 (32) - 130 (121)	38%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.11	*	30 (21) - 130 (130)	28%	SPK: 0.4

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	9370	7.545
1146-65-2	Naphthalene-d8	22500	10.304
15067-26-2	Acenaphthene-d10	10400	14.178
1517-22-2	Phenanthrene-d10	19700	16.929

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1719-03-5	Chrysene-d12	16900	21.13			
1520-96-3	Perylene-d12	18200	23.297			

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