

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-903-J-SO-0-0.5-081924	SDG No.:	P3671
Lab Sample ID:	P3671-11	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.5
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group5
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
BP021621.D	1	08/21/24 08:50	08/22/24 20:06	PB162876

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
110-86-1	Pyridine	95.6	U	95.6	200	ug/Kg
100-52-7	Benzaldehyde	220	U	220	390	ug/Kg
95-48-7	2-Methylphenol	96.4	U	96.4	200	ug/Kg
65794-96-9	3+4-Methylphenols	95.5	U	95.5	390	ug/Kg
67-72-1	Hexachloroethane	99.3	U	99.3	200	ug/Kg
98-95-3	Nitrobenzene	110	U	110	200	ug/Kg
91-20-3	Naphthalene	98.8	U	98.8	200	ug/Kg
87-68-3	Hexachlorobutadiene	99.7	U	99.7	200	ug/Kg
91-57-6	2-Methylnaphthalene	98.7	U	98.7	200	ug/Kg
88-06-2	2,4,6-Trichlorophenol	85.4	U	85.4	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	88.5	U	88.5	200	ug/Kg
208-96-8	Acenaphthylene	100	U	100	200	ug/Kg
83-32-9	Acenaphthene	97.0	U	97.0	200	ug/Kg
132-64-9	Dibenzofuran	100	U	100	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	100	U	100	200	ug/Kg
86-73-7	Fluorene	100	U	100	200	ug/Kg
118-74-1	Hexachlorobenzene	100	U	100	200	ug/Kg
87-86-5	Pentachlorophenol	92.5	U	92.5	390	ug/Kg
85-01-8	Phenanthrene	1300		100	200	ug/Kg
120-12-7	Anthracene	170	J	100	200	ug/Kg
86-74-8	Carbazole	110	J	96.1	200	ug/Kg
84-74-2	Di-n-butylphthalate	100	U	100	200	ug/Kg
206-44-0	Fluoranthene	2200		97.7	200	ug/Kg
129-00-0	Pyrene	1800		99.3	200	ug/Kg
56-55-3	Benzo(a)anthracene	840		96.6	200	ug/Kg
218-01-9	Chrysene	1000		95.1	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	200	ug/Kg
205-99-2	Benzo(b)fluoranthene	1200		97.0	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	410		98.8	200	ug/Kg

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50-32-8	Benzo(a)pyrene	900		110	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	520		93.4	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	150	J	97.1	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	590		95.8	200	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	200	ug/Kg
90-12-0	1-Methylnaphthalene	99.5	U	99.5	200	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	46.5		30 (18) - 130 (112)	31%	SPK: 150
13127-88-3	Phenol-d6	46.0		30 (15) - 130 (107)	31%	SPK: 150
4165-60-0	Nitrobenzene-d5	30.6		30 (18) - 130 (107)	31%	SPK: 100
321-60-8	2-Fluorobiphenyl	17.6	*	30 (20) - 130 (109)	18%	SPK: 100
118-79-6	2,4,6-Tribromophenol	43.2	*	30 (10) - 130 (116)	29%	SPK: 150
1718-51-0	Terphenyl-d14	21.9	*	30 (10) - 130 (105)	22%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	361000	7.805
1146-65-2	Naphthalene-d8	1550000	10.587
15067-26-2	Acenaphthene-d10	1080000	14.44
1517-22-2	Phenanthrene-d10	2400000	17.245
1719-03-5	Chrysene-d12	2030000	21.716
1520-96-3	Perylene-d12	2360000	25.151

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