

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-904-J-SO-0.5-1.0-081924	SDG No.:	P3671
Lab Sample ID:	P3671-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	79.7
Sample Wt/Vol:	30.07 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
BP021620.D	1	08/21/24 08:50	08/22/24 19:23	PB162876

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
110-86-1	Pyridine	100	U	100	210	ug/Kg
100-52-7	Benzaldehyde	230	U	230	410	ug/Kg
95-48-7	2-Methylphenol	100	U	100	210	ug/Kg
98-86-2	Acetophenone	110	U	110	210	ug/Kg
65794-96-9	3+4-Methylphenols	99.9	U	99.9	410	ug/Kg
98-95-3	Nitrobenzene	110	U	110	210	ug/Kg
120-83-2	2,4-Dichlorophenol	94.5	U	94.5	210	ug/Kg
91-20-3	Naphthalene	100	U	100	210	ug/Kg
91-57-6	2-Methylnaphthalene	100	U	100	210	ug/Kg
88-06-2	2,4,6-Trichlorophenol	89.4	U	89.4	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	92.6	U	92.6	210	ug/Kg
208-96-8	Acenaphthylene	110	U	110	210	ug/Kg
83-32-9	Acenaphthene	210		100	210	ug/Kg
132-64-9	Dibenzofuran	110	J	110	210	ug/Kg
86-73-7	Fluorene	230		110	210	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	210	ug/Kg
87-86-5	Pentachlorophenol	96.8	U	96.8	410	ug/Kg
85-01-8	Phenanthrene	2300		110	210	ug/Kg
86-74-8	Carbazole	290		100	210	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	210	ug/Kg
206-44-0	Fluoranthene	3100		100	210	ug/Kg
129-00-0	Pyrene	2800		100	210	ug/Kg
56-55-3	Benzo(a)anthracene	1700		100	210	ug/Kg
218-01-9	Chrysene	2100		99.5	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	1800		100	210	ug/Kg
207-08-9	Benzo(k)fluoranthene	670		100	210	ug/Kg
50-32-8	Benzo(a)pyrene	1600		120	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	800		97.8	210	ug/Kg

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53-70-3	Dibenzo(a,h)anthracene	270		100	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	970		100	210	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	210	ug/Kg
90-12-0	1-Methylnaphthalene	100	U	100	210	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	82.1		30 (18) - 130 (112)	55%	SPK: 150
13127-88-3	Phenol-d6	84.5		30 (15) - 130 (107)	56%	SPK: 150
4165-60-0	Nitrobenzene-d5	60.0		30 (18) - 130 (107)	60%	SPK: 100
321-60-8	2-Fluorobiphenyl	40.3		30 (20) - 130 (109)	40%	SPK: 100
118-79-6	2,4,6-Tribromophenol	101		30 (10) - 130 (116)	67%	SPK: 150
1718-51-0	Terphenyl-d14	42.2		30 (10) - 130 (105)	42%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	329000	7.799			
1146-65-2	Naphthalene-d8	1410000	10.587			
15067-26-2	Acenaphthene-d10	997000	14.439			
1517-22-2	Phenanthrene-d10	2290000	17.257			
1719-03-5	Chrysene-d12	1970000	21.721			
1520-96-3	Perylene-d12	2370000	25.168			

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