

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-0-0.5-081924DL	SDG No.:	P3671
Lab Sample ID:	P3671-01DL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	71.3
Sample Wt/Vol:	30.04 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
BF139161.D	5	08/21/24 08:50	08/26/24 10:51	PB162876

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
110-86-1	Pyridine	560	UD	560	1200	ug/Kg
100-52-7	Benzaldehyde	1300	UD	1300	2300	ug/Kg
95-48-7	2-Methylphenol	560	UD	560	1200	ug/Kg
98-86-2	Acetophenone	610	UD	610	1200	ug/Kg
65794-96-9	3+4-Methylphenols	560	UD	560	2300	ug/Kg
98-95-3	Nitrobenzene	640	UD	640	1200	ug/Kg
120-83-2	2,4-Dichlorophenol	530	UD	530	1200	ug/Kg
91-20-3	Naphthalene	580	UD	580	1200	ug/Kg
91-57-6	2-Methylnaphthalene	580	UD	580	1200	ug/Kg
88-06-2	2,4,6-Trichlorophenol	500	UD	500	1200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	520	UD	520	1200	ug/Kg
208-96-8	Acenaphthylene	610	UD	610	1200	ug/Kg
83-32-9	Acenaphthene	790	JD	570	1200	ug/Kg
132-64-9	Dibenzofuran	590	UD	590	1200	ug/Kg
86-73-7	Fluorene	930	JD	600	1200	ug/Kg
118-74-1	Hexachlorobenzene	600	UD	600	1200	ug/Kg
87-86-5	Pentachlorophenol	540	UD	540	2300	ug/Kg
85-01-8	Phenanthrene	8200	D	590	1200	ug/Kg
86-74-8	Carbazole	910	JD	560	1200	ug/Kg
84-74-2	Di-n-butylphthalate	590	UD	590	1200	ug/Kg
206-44-0	Fluoranthene	7700	D	570	1200	ug/Kg
129-00-0	Pyrene	7300	D	580	1200	ug/Kg
56-55-3	Benzo(a)anthracene	3700	D	570	1200	ug/Kg
218-01-9	Chrysene	3700	D	560	1200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	640	UD	640	1200	ug/Kg
205-99-2	Benzo(b)fluoranthene	3800	D	570	1200	ug/Kg
207-08-9	Benzo(k)fluoranthene	1400	D	580	1200	ug/Kg
50-32-8	Benzo(a)pyrene	3300	D	650	1200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1500	D	550	1200	ug/Kg

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53-70-3	Dibenzo(a,h)anthracene	570	UD	570	1200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	2100	D	560	1200	ug/Kg
123-91-1	1,4-Dioxane	770	UD	770	1200	ug/Kg
90-12-0	1-Methylnaphthalene	580	UD	580	1200	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	73.3		30 (18) - 130 (112)	49%	SPK: 150
13127-88-3	Phenol-d6	77.7		30 (15) - 130 (107)	52%	SPK: 150
4165-60-0	Nitrobenzene-d5	64.4		30 (18) - 130 (107)	64%	SPK: 100
321-60-8	2-Fluorobiphenyl	45.1		30 (20) - 130 (109)	45%	SPK: 100
118-79-6	2,4,6-Tribromophenol	68.7		30 (10) - 130 (116)	46%	SPK: 150
1718-51-0	Terphenyl-d14	40.6		30 (10) - 130 (105)	41%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	92500	6.898			
1146-65-2	Naphthalene-d8	348000	8.181			
15067-26-2	Acenaphthene-d10	199000	9.933			
1517-22-2	Phenanthrene-d10	323000	11.422			
1719-03-5	Chrysene-d12	172000	14.057			
1520-96-3	Perylene-d12	177000	15.539			

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