

Report of Analysis

Client:	JPCL Engineering	Date Collected:	03/04/25
Project:	NYSDOT Two Bronx River Parkway Bridges	Date Received:	03/04/25
Client Sample ID:	DN-B-42	SDG No.:	Q1487
Lab Sample ID:	Q1487-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.1
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF141846.D	1	03/05/25 09:40	03/05/25 16:21	PB166984

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	370	U	210	370	ug/Kg
108-95-2	Phenol	190	U	93.8	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	190	U	94.8	190	ug/Kg
95-57-8	2-Chlorophenol	190	U	94.5	190	ug/Kg
95-48-7	2-Methylphenol	190	U	91.2	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	190	U	100	190	ug/Kg
98-86-2	Acetophenone	190	U	98.4	190	ug/Kg
65794-96-9	3+4-Methylphenols	370	U	90.3	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	90.6	U	45.6	90.6	ug/Kg
67-72-1	Hexachloroethane	190	U	94.0	190	ug/Kg
98-95-3	Nitrobenzene	190	U	100	190	ug/Kg
78-59-1	Isophorone	190	U	95.8	190	ug/Kg
88-75-5	2-Nitrophenol	190	U	110	190	ug/Kg
105-67-9	2,4-Dimethylphenol	190	U	110	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	190	U	97.1	190	ug/Kg
120-83-2	2,4-Dichlorophenol	190	U	85.5	190	ug/Kg
91-20-3	Naphthalene	190	U	93.5	190	ug/Kg
106-47-8	4-Chloroaniline	190	U	93.5	190	ug/Kg
87-68-3	Hexachlorobutadiene	190	U	94.3	190	ug/Kg
105-60-2	Caprolactam	370	U	98.3	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	190	U	87.7	190	ug/Kg
91-57-6	2-Methylnaphthalene	190	U	93.4	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	370	U	180	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	190	U	80.8	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	190	U	83.8	190	ug/Kg
92-52-4	1,1-Biphenyl	190	U	98.9	190	ug/Kg
91-58-7	2-Chloronaphthalene	190	U	94.3	190	ug/Kg
88-74-4	2-Nitroaniline	190	U	110	190	ug/Kg
131-11-3	Dimethylphthalate	190	U	92.5	190	ug/Kg

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208-96-8	Acenaphthylene	190	U	97.9	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	190	U	94.2	190	ug/Kg
99-09-2	3-Nitroaniline	190	U	100	190	ug/Kg
83-32-9	Acenaphthene	190	U	91.8	190	ug/Kg
51-28-5	2,4-Dinitrophenol	370	U	280	370	ug/Kg
100-02-7	4-Nitrophenol	370	U	130	370	ug/Kg
132-64-9	Dibenzofuran	190	U	95.5	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	190	U	97.6	190	ug/Kg
84-66-2	Diethylphthalate	190	U	90.7	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	190	U	96.9	190	ug/Kg
86-73-7	Fluorene	190	U	96.8	190	ug/Kg
100-01-6	4-Nitroaniline	190	UQ	120	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	370	U	130	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	190	U	92.4	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	190	U	89.3	190	ug/Kg
118-74-1	Hexachlorobenzene	190	U	96.2	190	ug/Kg
1912-24-9	Atrazine	190	U	100	190	ug/Kg
87-86-5	Pentachlorophenol	370	U	87.5	370	ug/Kg
85-01-8	Phenanthrene	190	U	95.1	190	ug/Kg
120-12-7	Anthracene	190	U	95.5	190	ug/Kg
86-74-8	Carbazole	190	U	90.9	190	ug/Kg
84-74-2	Di-n-butylphthalate	190	U	95.4	190	ug/Kg
206-44-0	Fluoranthene	190	U	92.5	190	ug/Kg
129-00-0	Pyrene	190	U	94.0	190	ug/Kg
85-68-7	Butylbenzylphthalate	190	U	110	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	370	U	110	370	ug/Kg
56-55-3	Benzo(a)anthracene	190	U	91.4	190	ug/Kg
218-01-9	Chrysene	190	U	90.0	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	190	U	100	190	ug/Kg
117-84-0	Di-n-octyl phthalate	370	U	120	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	190	U	91.8	190	ug/Kg

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207-08-9	Benzo(k)fluoranthene	190	U	93.5	190	ug/Kg
50-32-8	Benzo(a)pyrene	190	U	110	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	190	U	88.4	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	190	U	91.9	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	190	U	90.7	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	190	U	98.3	190	ug/Kg
123-91-1	1,4-Dioxane	190	U	120	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	190	U	84.6	190	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	117		18 - 112	78%	SPK: 150
13127-88-3	Phenol-d6	112		15 - 107	75%	SPK: 150
4165-60-0	Nitrobenzene-d5	98.1		18 - 107	98%	SPK: 100
321-60-8	2-Fluorobiphenyl	81.4		20 - 109	81%	SPK: 100
118-79-6	2,4,6-Tribromophenol	119		10 - 116	79%	SPK: 150
1718-51-0	Terphenyl-d14	58.5		10 - 105	59%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	183000	6.887
1146-65-2	Naphthalene-d8	691000	8.163
15067-26-2	Acenaphthene-d10	343000	9.916
1517-22-2	Phenanthrene-d10	518000	11.404
1719-03-5	Chrysene-d12	403000	14.033
1520-96-3	Perylene-d12	460000	15.51

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	1400	JB	2.17	ug/Kg
000629-59-4	Tetradecane	210	J	9.32	ug/Kg
000571-58-4	Naphthalene, 1,4-dimethyl-	100	J	9.57	ug/Kg
017312-62-8	Decane, 5-propyl-	330	J	9.64	ug/Kg
055045-08-4	Dodecane, 2-methyl-6-propyl-	370	J	9.85	ug/Kg
000630-02-4	Octacosane	120	J	10.2	ug/Kg
000544-76-3	Hexadecane	390	J	10.3	ug/Kg

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000629-50-5	Tridecane	310	J		10.6	ug/Kg
000119-61-9	Benzophenone	240	J		10.6	ug/Kg
003892-00-0	Pentadecane, 2,6,10-trimethyl-	1000	J		10.8	ug/Kg
000646-31-1	Tetracosane	490	J		11.3	ug/Kg
000638-36-8	Hexadecane, 2,6,10,14-tetramethyl-	360	J		11.3	ug/Kg
000629-93-6	Octadecane, 1-iodo-	97.0	J		11.7	ug/Kg
000629-92-5	Nonadecane	370	J		11.7	ug/Kg
000057-10-3	n-Hexadecanoic acid	200	J		11.9	ug/Kg
000112-95-8	Eicosane	320	J		12.1	ug/Kg
000629-94-7	Heneicosane	230	J		12.5	ug/Kg
000593-49-7	Heptacosane	180	J		12.9	ug/Kg
000301-02-0	9-Octadecenamide, (Z)-	140	J		13.5	ug/Kg
1000406-04-8	Pentadecafluorooctanoic acid, octa	190	J		13.9	ug/Kg

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