

Report of Analysis

Client: Langan Engineering and Environmental Services, Inc
Project: Con Edison Richmond Terrace
Client Sample ID: SED-04-0-2MS
Lab Sample ID: Q3323-04MS
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 30.05 g Final Vol: 1000 uL
Prep Method : SW3541 Prep Date: 10/13/25

Date Collected: 10/09/25
Date Received: 10/09/25
SDG No.: Q3323
Matrix: SOIL
% Solid: 70.2
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	1400		1	220	470	ug/Kg	10/13/25 16:33	PB170067
108-95-2	Phenol	2200		1	31.4	240	ug/Kg	10/13/25 16:33	PB170067
111-44-4	bis(2-Chloroethyl)ether	2300		1	34.6	240	ug/Kg	10/13/25 16:33	PB170067
95-57-8	2-Chlorophenol	2300		1	34.7	240	ug/Kg	10/13/25 16:33	PB170067
95-48-7	2-Methylphenol	2300		1	42.5	240	ug/Kg	10/13/25 16:33	PB170067
108-60-1	2,2-oxybis(1-Chloropropane)	2300		1	53.3	240	ug/Kg	10/13/25 16:33	PB170067
98-86-2	Acetophenone	2400		1	42.0	240	ug/Kg	10/13/25 16:33	PB170067
65794-96-9	3+4-Methylphenols	2200		1	58.4	470	ug/Kg	10/13/25 16:33	PB170067
621-64-7	n-Nitroso-di-n-propylamine	2100		1	67.4	110	ug/Kg	10/13/25 16:33	PB170067
67-72-1	Hexachloroethane	2300		1	25.0	240	ug/Kg	10/13/25 16:33	PB170067
98-95-3	Nitrobenzene	2300		1	26.0	240	ug/Kg	10/13/25 16:33	PB170067
78-59-1	Isophorone	2200		1	46.6	240	ug/Kg	10/13/25 16:33	PB170067
88-75-5	2-Nitrophenol	2600		1	82.8	240	ug/Kg	10/13/25 16:33	PB170067
105-67-9	2,4-Dimethylphenol	2500		1	92.2	240	ug/Kg	10/13/25 16:33	PB170067
111-91-1	bis(2-Chloroethoxy)methane	2200		1	43.8	240	ug/Kg	10/13/25 16:33	PB170067
120-83-2	2,4-Dichlorophenol	2200		1	40.2	240	ug/Kg	10/13/25 16:33	PB170067
91-20-3	Naphthalene	2200		1	32.3	240	ug/Kg	10/13/25 16:33	PB170067
106-47-8	4-Chloroaniline	1100		1	50.3	240	ug/Kg	10/13/25 16:33	PB170067
87-68-3	Hexachlorobutadiene	2200		1	36.0	240	ug/Kg	10/13/25 16:33	PB170067
105-60-2	Caprolactam	2300		1	74.1	470	ug/Kg	10/13/25 16:33	PB170067
59-50-7	4-Chloro-3-methylphenol	2200		1	40.8	240	ug/Kg	10/13/25 16:33	PB170067
91-57-6	2-Methylnaphthalene	1900		1	36.4	240	ug/Kg	10/13/25 16:33	PB170067
77-47-4	Hexachlorocyclopentadiene	5400	E	1	160	470	ug/Kg	10/13/25 16:33	PB170067
88-06-2	2,4,6-Trichlorophenol	2200		1	28.2	240	ug/Kg	10/13/25 16:33	PB170067
95-95-4	2,4,5-Trichlorophenol	2300		1	41.4	240	ug/Kg	10/13/25 16:33	PB170067
92-52-4	1,1-Biphenyl	2500		1	31.0	240	ug/Kg	10/13/25 16:33	PB170067
91-58-7	2-Chloronaphthalene	2200		1	32.0	240	ug/Kg	10/13/25 16:33	PB170067
88-74-4	2-Nitroaniline	2500		1	68.4	240	ug/Kg	10/13/25 16:33	PB170067
131-11-3	Dimethylphthalate	2200		1	38.5	240	ug/Kg	10/13/25 16:33	PB170067
208-96-8	Acenaphthylene	2500		1	41.1	240	ug/Kg	10/13/25 16:33	PB170067
606-20-2	2,6-Dinitrotoluene	2700		1	47.8	240	ug/Kg	10/13/25 16:33	PB170067
99-09-2	3-Nitroaniline	1600		1	65.4	240	ug/Kg	10/13/25 16:33	PB170067
83-32-9	Acenaphthene	2300		1	30.3	240	ug/Kg	10/13/25 16:33	PB170067
51-28-5	2,4-Dinitrophenol	3900	E	1	330	470	ug/Kg	10/13/25 16:33	PB170067
100-02-7	4-Nitrophenol	4300	E	1	150	470	ug/Kg	10/13/25 16:33	PB170067
132-64-9	Dibenzofuran	2200		1	32.3	240	ug/Kg	10/13/25 16:33	PB170067
121-14-2	2,4-Dinitrotoluene	2500		1	71.2	240	ug/Kg	10/13/25 16:33	PB170067
84-66-2	Diethylphthalate	2200		1	40.2	240	ug/Kg	10/13/25 16:33	PB170067
7005-72-3	4-Chlorophenyl-phenylether	2100		1	38.0	240	ug/Kg	10/13/25 16:33	PB170067
86-73-7	Fluorene	2100		1	36.0	240	ug/Kg	10/13/25 16:33	PB170067
100-01-6	4-Nitroaniline	2200		1	91.3	240	ug/Kg	10/13/25 16:33	PB170067
534-52-1	4,6-Dinitro-2-methylphenol	2600		1	150	470	ug/Kg	10/13/25 16:33	PB170067

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CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	2400		1	46.8	240	ug/Kg	10/13/25 16:33	PB170067
101-55-3	4-Bromophenyl-phenylether	2300		1	39.5	240	ug/Kg	10/13/25 16:33	PB170067
118-74-1	Hexachlorobenzene	2200		1	36.0	240	ug/Kg	10/13/25 16:33	PB170067
1912-24-9	Atrazine	2400		1	48.4	240	ug/Kg	10/13/25 16:33	PB170067
87-86-5	Pentachlorophenol	4300	E	1	73.0	470	ug/Kg	10/13/25 16:33	PB170067
85-01-8	Phenanthrene	2200		1	29.7	240	ug/Kg	10/13/25 16:33	PB170067
120-12-7	Anthracene	2200		1	47.4	240	ug/Kg	10/13/25 16:33	PB170067
86-74-8	Carbazole	2200		1	44.4	240	ug/Kg	10/13/25 16:33	PB170067
84-74-2	Di-n-butylphthalate	2300		1	68.1	240	ug/Kg	10/13/25 16:33	PB170067
206-44-0	Fluoranthene	2100		1	42.7	240	ug/Kg	10/13/25 16:33	PB170067
129-00-0	Pyrene	2000		1	51.2	240	ug/Kg	10/13/25 16:33	PB170067
85-68-7	Butylbenzylphthalate	2300		1	100	240	ug/Kg	10/13/25 16:33	PB170067
91-94-1	3,3-Dichlorobenzidine	1700		1	52.2	470	ug/Kg	10/13/25 16:33	PB170067
56-55-3	Benzo(a)anthracene	2500		1	32.7	240	ug/Kg	10/13/25 16:33	PB170067
218-01-9	Chrysene	2300		1	28.3	240	ug/Kg	10/13/25 16:33	PB170067
117-81-7	Bis(2-ethylhexyl)phthalate	2600		1	84.2	240	ug/Kg	10/13/25 16:33	PB170067
117-84-0	Di-n-octyl phthalate	3100		1	120	470	ug/Kg	10/13/25 16:33	PB170067
205-99-2	Benzo(b)fluoranthene	2100		1	27.0	240	ug/Kg	10/13/25 16:33	PB170067
207-08-9	Benzo(k)fluoranthene	2200		1	31.9	240	ug/Kg	10/13/25 16:33	PB170067
50-32-8	Benzo(a)pyrene	2400		1	42.0	240	ug/Kg	10/13/25 16:33	PB170067
193-39-5	Indeno(1,2,3-cd)pyrene	2400		1	41.4	240	ug/Kg	10/13/25 16:33	PB170067
53-70-3	Dibenzo(a,h)anthracene	2400		1	39.0	240	ug/Kg	10/13/25 16:33	PB170067
191-24-2	Benzo(g,h,i)perylene	2400		1	36.5	240	ug/Kg	10/13/25 16:33	PB170067
95-94-3	1,2,4,5-Tetrachlorobenzene	2400		1	36.4	240	ug/Kg	10/13/25 16:33	PB170067
123-91-1	1,4-Dioxane	2200		1	64.3	240	ug/Kg	10/13/25 16:33	PB170067
58-90-2	2,3,4,6-Tetrachlorophenol	2200		1	39.0	240	ug/Kg	10/13/25 16:33	PB170067

SURROGATES

367-12-4	2-Fluorophenol	77.8		18 - 112	52%	SPK: 150
13127-88-3	Phenol-d6	77.9		15 - 107	52%	SPK: 150
4165-60-0	Nitrobenzene-d5	51.3		18 - 107	51%	SPK: 100
321-60-8	2-Fluorobiphenyl	45.5		20 - 109	45%	SPK: 100
118-79-6	2,4,6-Tribromophenol	69.0		10 - 116	46%	SPK: 150
1718-51-0	Terphenyl-d14	36.8		10 - 105	37%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	108000
1146-65-2	Naphthalene-d8	416000
15067-26-2	Acenaphthene-d10	216000
1517-22-2	Phenanthrene-d10	334000
1719-03-5	Chrysene-d12	222000
1520-96-3	Perylene-d12	297000

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Analytical Method:	8270E	% Solid:	70.2
Sample Wt/Vol:	30.05 g	Final Vol:	1000 uL
Prep Method :	SW3541	Test:	SVOC-TCL BNA -20
	Level : LOW		
	Prep Date: 10/13/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
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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