

Report of Analysis

Client: Langan Engineering and Environmental Services, Inc
Project: Con Edison Richmond Terrace
Client Sample ID: SED-01-0-2
Lab Sample ID: Q3323-01
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 30.06 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: 66.8
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	230	U	1	230	490	ug/Kg	10/13/25 17:32	PB170067
108-95-2	Phenol	33.0	U	1	33.0	250	ug/Kg	10/13/25 17:32	PB170067
111-44-4	bis(2-Chloroethyl)ether	36.3	U	1	36.3	250	ug/Kg	10/13/25 17:32	PB170067
95-57-8	2-Chlorophenol	36.5	U	1	36.5	250	ug/Kg	10/13/25 17:32	PB170067
95-48-7	2-Methylphenol	44.7	U	1	44.7	250	ug/Kg	10/13/25 17:32	PB170067
108-60-1	2,2-oxybis(1-Chloropropane)	56.0	U	1	56.0	250	ug/Kg	10/13/25 17:32	PB170067
98-86-2	Acetophenone	44.1	U	1	44.1	250	ug/Kg	10/13/25 17:32	PB170067
65794-96-9	3+4-Methylphenols	61.4	U	1	61.4	490	ug/Kg	10/13/25 17:32	PB170067
621-64-7	n-Nitroso-di-n-propylamine	70.8	U	1	70.8	120	ug/Kg	10/13/25 17:32	PB170067
67-72-1	Hexachloroethane	26.3	U	1	26.3	250	ug/Kg	10/13/25 17:32	PB170067
98-95-3	Nitrobenzene	27.3	U	1	27.3	250	ug/Kg	10/13/25 17:32	PB170067
78-59-1	Isophorone	49.0	U	1	49.0	250	ug/Kg	10/13/25 17:32	PB170067
88-75-5	2-Nitrophenol	87.0	U	1	87.0	250	ug/Kg	10/13/25 17:32	PB170067
105-67-9	2,4-Dimethylphenol	96.8	U	1	96.8	250	ug/Kg	10/13/25 17:32	PB170067
111-91-1	bis(2-Chloroethoxy)methane	46.0	U	1	46.0	250	ug/Kg	10/13/25 17:32	PB170067
120-83-2	2,4-Dichlorophenol	42.3	U	1	42.3	250	ug/Kg	10/13/25 17:32	PB170067
91-20-3	Naphthalene	33.9	U	1	33.9	250	ug/Kg	10/13/25 17:32	PB170067
106-47-8	4-Chloroaniline	52.9	U	1	52.9	250	ug/Kg	10/13/25 17:32	PB170067
87-68-3	Hexachlorobutadiene	37.8	U	1	37.8	250	ug/Kg	10/13/25 17:32	PB170067
105-60-2	Caprolactam	77.8	U	1	77.8	490	ug/Kg	10/13/25 17:32	PB170067
59-50-7	4-Chloro-3-methylphenol	42.9	U	1	42.9	250	ug/Kg	10/13/25 17:32	PB170067
91-57-6	2-Methylnaphthalene	38.2	U	1	38.2	250	ug/Kg	10/13/25 17:32	PB170067
77-47-4	Hexachlorocyclopentadiene	170	U	1	170	490	ug/Kg	10/13/25 17:32	PB170067
88-06-2	2,4,6-Trichlorophenol	29.6	U	1	29.6	250	ug/Kg	10/13/25 17:32	PB170067
95-95-4	2,4,5-Trichlorophenol	43.5	U	1	43.5	250	ug/Kg	10/13/25 17:32	PB170067
92-52-4	1,1-Biphenyl	32.6	U	1	32.6	250	ug/Kg	10/13/25 17:32	PB170067
91-58-7	2-Chloronaphthalene	33.6	U	1	33.6	250	ug/Kg	10/13/25 17:32	PB170067
88-74-4	2-Nitroaniline	71.9	U	1	71.9	250	ug/Kg	10/13/25 17:32	PB170067
131-11-3	Dimethylphthalate	40.5	U	1	40.5	250	ug/Kg	10/13/25 17:32	PB170067
208-96-8	Acenaphthylene	43.2	U	1	43.2	250	ug/Kg	10/13/25 17:32	PB170067
606-20-2	2,6-Dinitrotoluene	50.2	U	1	50.2	250	ug/Kg	10/13/25 17:32	PB170067
99-09-2	3-Nitroaniline	68.7	U	1	68.7	250	ug/Kg	10/13/25 17:32	PB170067
83-32-9	Acenaphthene	31.8	U	1	31.8	250	ug/Kg	10/13/25 17:32	PB170067
51-28-5	2,4-Dinitrophenol	340	U	1	340	490	ug/Kg	10/13/25 17:32	PB170067
100-02-7	4-Nitrophenol	160	U	1	160	490	ug/Kg	10/13/25 17:32	PB170067
132-64-9	Dibenzofuran	33.9	U	1	33.9	250	ug/Kg	10/13/25 17:32	PB170067
121-14-2	2,4-Dinitrotoluene	74.9	U	1	74.9	250	ug/Kg	10/13/25 17:32	PB170067
84-66-2	Diethylphthalate	42.3	U	1	42.3	250	ug/Kg	10/13/25 17:32	PB170067
7005-72-3	4-Chlorophenyl-phenylether	39.9	U	1	39.9	250	ug/Kg	10/13/25 17:32	PB170067
86-73-7	Fluorene	37.8	U	1	37.8	250	ug/Kg	10/13/25 17:32	PB170067
100-01-6	4-Nitroaniline	95.9	U	1	95.9	250	ug/Kg	10/13/25 17:32	PB170067
534-52-1	4,6-Dinitro-2-methylphenol	150	U	1	150	490	ug/Kg	10/13/25 17:32	PB170067

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SDG No.: Q3323
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CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	49.2	U	1	49.2	250	ug/Kg	10/13/25 17:32	PB170067
101-55-3	4-Bromophenyl-phenylether	41.5	U	1	41.5	250	ug/Kg	10/13/25 17:32	PB170067
118-74-1	Hexachlorobenzene	37.8	U	1	37.8	250	ug/Kg	10/13/25 17:32	PB170067
1912-24-9	Atrazine	50.8	U	1	50.8	250	ug/Kg	10/13/25 17:32	PB170067
87-86-5	Pentachlorophenol	76.6	U	1	76.6	490	ug/Kg	10/13/25 17:32	PB170067
85-01-8	Phenanthrene	31.2	U	1	31.2	250	ug/Kg	10/13/25 17:32	PB170067
120-12-7	Anthracene	49.8	U	1	49.8	250	ug/Kg	10/13/25 17:32	PB170067
86-74-8	Carbazole	46.6	U	1	46.6	250	ug/Kg	10/13/25 17:32	PB170067
84-74-2	Di-n-butylphthalate	71.6	U	1	71.6	250	ug/Kg	10/13/25 17:32	PB170067
206-44-0	Fluoranthene	44.8	U	1	44.8	250	ug/Kg	10/13/25 17:32	PB170067
129-00-0	Pyrene	53.8	U	1	53.8	250	ug/Kg	10/13/25 17:32	PB170067
85-68-7	Butylbenzylphthalate	110	U	1	110	250	ug/Kg	10/13/25 17:32	PB170067
91-94-1	3,3-Dichlorobenzidine	54.8	U	1	54.8	490	ug/Kg	10/13/25 17:32	PB170067
56-55-3	Benzo(a)anthracene	34.4	U	1	34.4	250	ug/Kg	10/13/25 17:32	PB170067
218-01-9	Chrysene	29.7	U	1	29.7	250	ug/Kg	10/13/25 17:32	PB170067
117-81-7	Bis(2-ethylhexyl)phthalate	88.4	U	1	88.4	250	ug/Kg	10/13/25 17:32	PB170067
117-84-0	Di-n-octyl phthalate	130	U	1	130	490	ug/Kg	10/13/25 17:32	PB170067
205-99-2	Benzo(b)fluoranthene	28.4	U	1	28.4	250	ug/Kg	10/13/25 17:32	PB170067
207-08-9	Benzo(k)fluoranthene	33.5	U	1	33.5	250	ug/Kg	10/13/25 17:32	PB170067
50-32-8	Benzo(a)pyrene	44.1	U	1	44.1	250	ug/Kg	10/13/25 17:32	PB170067
193-39-5	Indeno(1,2,3-cd)pyrene	43.5	U	1	43.5	250	ug/Kg	10/13/25 17:32	PB170067
53-70-3	Dibenzo(a,h)anthracene	40.9	U	1	40.9	250	ug/Kg	10/13/25 17:32	PB170067
191-24-2	Benzo(g,h,i)perylene	38.4	U	1	38.4	250	ug/Kg	10/13/25 17:32	PB170067
95-94-3	1,2,4,5-Tetrachlorobenzene	38.2	U	1	38.2	250	ug/Kg	10/13/25 17:32	PB170067
123-91-1	1,4-Dioxane	67.5	U	1	67.5	250	ug/Kg	10/13/25 17:32	PB170067
58-90-2	2,3,4,6-Tetrachlorophenol	40.9	U	1	40.9	250	ug/Kg	10/13/25 17:32	PB170067

SURROGATES

367-12-4	2-Fluorophenol	75.4		18 - 112	50%	SPK: 150
13127-88-3	Phenol-d6	71.8		15 - 107	48%	SPK: 150
4165-60-0	Nitrobenzene-d5	51.3		18 - 107	51%	SPK: 100
321-60-8	2-Fluorobiphenyl	47.5		20 - 109	47%	SPK: 100
118-79-6	2,4,6-Tribromophenol	56.8		10 - 116	38%	SPK: 150
1718-51-0	Terphenyl-d14	31.7		10 - 105	32%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	110000
1146-65-2	Naphthalene-d8	409000
15067-26-2	Acenaphthene-d10	205000
1517-22-2	Phenanthrene-d10	303000
1719-03-5	Chrysene-d12	234000
1520-96-3	Perylene-d12	315000

TENTATIVE IDENTIFIED COMPOUNDS

000119-61-9	Benzophenone	290	J	10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	180	J	11.9	ug/Kg

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Lab Sample ID:	Q3323-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	66.8
Sample Wt/Vol:	30.06 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541		
	Level : LOW		
	Final Vol: 1000 uL		
	Prep Date: 10/13/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
000638-96-0	.alpha.-Amyrone	420	J			18.2	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