

Report of Analysis

Client: Langan Engineering and Environmental Services, Inc
Project: Con Edison Richmond Terrace
Client Sample ID: SED-03-0-2
Lab Sample ID: Q3323-03
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 30.08 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: 71.6
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	220	U	1	220	460	ug/Kg	10/13/25 18:30	PB170067
108-95-2	Phenol	30.8	U	1	30.8	240	ug/Kg	10/13/25 18:30	PB170067
111-44-4	bis(2-Chloroethyl)ether	33.8	U	1	33.8	240	ug/Kg	10/13/25 18:30	PB170067
95-57-8	2-Chlorophenol	34.0	U	1	34.0	240	ug/Kg	10/13/25 18:30	PB170067
95-48-7	2-Methylphenol	41.6	U	1	41.6	240	ug/Kg	10/13/25 18:30	PB170067
108-60-1	2,2-oxybis(1-Chloropropane)	52.2	U	1	52.2	240	ug/Kg	10/13/25 18:30	PB170067
98-86-2	Acetophenone	41.1	U	1	41.1	240	ug/Kg	10/13/25 18:30	PB170067
65794-96-9	3+4-Methylphenols	57.2	U	1	57.2	460	ug/Kg	10/13/25 18:30	PB170067
621-64-7	n-Nitroso-di-n-propylamine	66.0	U	1	66.0	110	ug/Kg	10/13/25 18:30	PB170067
67-72-1	Hexachloroethane	24.5	U	1	24.5	240	ug/Kg	10/13/25 18:30	PB170067
98-95-3	Nitrobenzene	25.5	U	1	25.5	240	ug/Kg	10/13/25 18:30	PB170067
78-59-1	Isophorone	45.7	U	1	45.7	240	ug/Kg	10/13/25 18:30	PB170067
88-75-5	2-Nitrophenol	81.1	U	1	81.1	240	ug/Kg	10/13/25 18:30	PB170067
105-67-9	2,4-Dimethylphenol	90.3	U	1	90.3	240	ug/Kg	10/13/25 18:30	PB170067
111-91-1	bis(2-Chloroethoxy)methane	42.9	U	1	42.9	240	ug/Kg	10/13/25 18:30	PB170067
120-83-2	2,4-Dichlorophenol	39.4	U	1	39.4	240	ug/Kg	10/13/25 18:30	PB170067
91-20-3	Naphthalene	31.6	U	1	31.6	240	ug/Kg	10/13/25 18:30	PB170067
106-47-8	4-Chloroaniline	49.3	U	1	49.3	240	ug/Kg	10/13/25 18:30	PB170067
87-68-3	Hexachlorobutadiene	35.2	U	1	35.2	240	ug/Kg	10/13/25 18:30	PB170067
105-60-2	Caprolactam	72.6	U	1	72.6	460	ug/Kg	10/13/25 18:30	PB170067
59-50-7	4-Chloro-3-methylphenol	40.0	U	1	40.0	240	ug/Kg	10/13/25 18:30	PB170067
91-57-6	2-Methylnaphthalene	35.7	U	1	35.7	240	ug/Kg	10/13/25 18:30	PB170067
77-47-4	Hexachlorocyclopentadiene	160	U	1	160	460	ug/Kg	10/13/25 18:30	PB170067
88-06-2	2,4,6-Trichlorophenol	27.6	U	1	27.6	240	ug/Kg	10/13/25 18:30	PB170067
95-95-4	2,4,5-Trichlorophenol	40.5	U	1	40.5	240	ug/Kg	10/13/25 18:30	PB170067
92-52-4	1,1-Biphenyl	30.4	U	1	30.4	240	ug/Kg	10/13/25 18:30	PB170067
91-58-7	2-Chloronaphthalene	31.3	U	1	31.3	240	ug/Kg	10/13/25 18:30	PB170067
88-74-4	2-Nitroaniline	67.0	U	1	67.0	240	ug/Kg	10/13/25 18:30	PB170067
131-11-3	Dimethylphthalate	37.7	U	1	37.7	240	ug/Kg	10/13/25 18:30	PB170067
208-96-8	Acenaphthylene	40.3	U	1	40.3	240	ug/Kg	10/13/25 18:30	PB170067
606-20-2	2,6-Dinitrotoluene	46.8	U	1	46.8	240	ug/Kg	10/13/25 18:30	PB170067
99-09-2	3-Nitroaniline	64.1	U	1	64.1	240	ug/Kg	10/13/25 18:30	PB170067
83-32-9	Acenaphthene	29.7	U	1	29.7	240	ug/Kg	10/13/25 18:30	PB170067
51-28-5	2,4-Dinitrophenol	320	U	1	320	460	ug/Kg	10/13/25 18:30	PB170067
100-02-7	4-Nitrophenol	150	U	1	150	460	ug/Kg	10/13/25 18:30	PB170067
132-64-9	Dibenzofuran	31.6	U	1	31.6	240	ug/Kg	10/13/25 18:30	PB170067
121-14-2	2,4-Dinitrotoluene	69.8	U	1	69.8	240	ug/Kg	10/13/25 18:30	PB170067
84-66-2	Diethylphthalate	39.4	U	1	39.4	240	ug/Kg	10/13/25 18:30	PB170067
7005-72-3	4-Chlorophenyl-phenylether	37.2	U	1	37.2	240	ug/Kg	10/13/25 18:30	PB170067
86-73-7	Fluorene	35.2	U	1	35.2	240	ug/Kg	10/13/25 18:30	PB170067
100-01-6	4-Nitroaniline	89.4	U	1	89.4	240	ug/Kg	10/13/25 18:30	PB170067
534-52-1	4,6-Dinitro-2-methylphenol	140	U	1	140	460	ug/Kg	10/13/25 18:30	PB170067

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CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	45.8	U	1	45.8	240	ug/Kg	10/13/25 18:30	PB170067
101-55-3	4-Bromophenyl-phenylether	38.7	U	1	38.7	240	ug/Kg	10/13/25 18:30	PB170067
118-74-1	Hexachlorobenzene	35.2	U	1	35.2	240	ug/Kg	10/13/25 18:30	PB170067
1912-24-9	Atrazine	47.4	U	1	47.4	240	ug/Kg	10/13/25 18:30	PB170067
87-86-5	Pentachlorophenol	71.5	U	1	71.5	460	ug/Kg	10/13/25 18:30	PB170067
85-01-8	Phenanthrene	97.2	J	1	29.1	240	ug/Kg	10/13/25 18:30	PB170067
120-12-7	Anthracene	46.4	U	1	46.4	240	ug/Kg	10/13/25 18:30	PB170067
86-74-8	Carbazole	43.5	U	1	43.5	240	ug/Kg	10/13/25 18:30	PB170067
84-74-2	Di-n-butylphthalate	66.7	U	1	66.7	240	ug/Kg	10/13/25 18:30	PB170067
206-44-0	Fluoranthene	200	J	1	41.8	240	ug/Kg	10/13/25 18:30	PB170067
129-00-0	Pyrene	140	J	1	50.1	240	ug/Kg	10/13/25 18:30	PB170067
85-68-7	Butylbenzylphthalate	99.5	U	1	99.5	240	ug/Kg	10/13/25 18:30	PB170067
91-94-1	3,3-Dichlorobenzidine	51.1	U	1	51.1	460	ug/Kg	10/13/25 18:30	PB170067
56-55-3	Benzo(a)anthracene	100	J	1	32.0	240	ug/Kg	10/13/25 18:30	PB170067
218-01-9	Chrysene	100	J	1	27.7	240	ug/Kg	10/13/25 18:30	PB170067
117-81-7	Bis(2-ethylhexyl)phthalate	82.5	U	1	82.5	240	ug/Kg	10/13/25 18:30	PB170067
117-84-0	Di-n-octyl phthalate	120	U	1	120	460	ug/Kg	10/13/25 18:30	PB170067
205-99-2	Benzo(b)fluoranthene	94.1	J	1	26.5	240	ug/Kg	10/13/25 18:30	PB170067
207-08-9	Benzo(k)fluoranthene	31.2	U	1	31.2	240	ug/Kg	10/13/25 18:30	PB170067
50-32-8	Benzo(a)pyrene	41.1	U	1	41.1	240	ug/Kg	10/13/25 18:30	PB170067
193-39-5	Indeno(1,2,3-cd)pyrene	40.5	U	1	40.5	240	ug/Kg	10/13/25 18:30	PB170067
53-70-3	Dibenzo(a,h)anthracene	38.2	U	1	38.2	240	ug/Kg	10/13/25 18:30	PB170067
191-24-2	Benzo(g,h,i)perylene	35.8	U	1	35.8	240	ug/Kg	10/13/25 18:30	PB170067
95-94-3	1,2,4,5-Tetrachlorobenzene	35.7	U	1	35.7	240	ug/Kg	10/13/25 18:30	PB170067
123-91-1	1,4-Dioxane	63.0	U	1	63.0	240	ug/Kg	10/13/25 18:30	PB170067
58-90-2	2,3,4,6-Tetrachlorophenol	38.2	U	1	38.2	240	ug/Kg	10/13/25 18:30	PB170067

SURROGATES

367-12-4	2-Fluorophenol	76.5		18 - 112	51%	SPK: 150
13127-88-3	Phenol-d6	76.0		15 - 107	51%	SPK: 150
4165-60-0	Nitrobenzene-d5	52.1		18 - 107	52%	SPK: 100
321-60-8	2-Fluorobiphenyl	48.1		20 - 109	48%	SPK: 100
118-79-6	2,4,6-Tribromophenol	59.2		10 - 116	39%	SPK: 150
1718-51-0	Terphenyl-d14	33.3		10 - 105	33%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	106000
1146-65-2	Naphthalene-d8	381000
15067-26-2	Acenaphthene-d10	195000
1517-22-2	Phenanthrene-d10	273000
1719-03-5	Chrysene-d12	233000
1520-96-3	Perylene-d12	303000

TENTATIVE IDENTIFIED COMPOUNDS

000119-61-9	Benzophenone	300	J	10.6	ug/Kg
000638-53-9	Tridecanoic acid	220	J	11.9	ug/Kg

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Lab Sample ID:	Q3323-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	71.6
Sample Wt/Vol:	30.08 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541		
	Level : LOW		
	Final Vol: 1000 uL		
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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