

Report of Analysis

Client: Langan Engineering and Environmental Services, Inc
Project: Con Edison Richmond Terrace
Client Sample ID: SS-01-1-2
Lab Sample ID: Q3310-02
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 30.07 g Final Vol: 1000 uL
Prep Method : SW3541 Prep Date: 10/10/25

Date Collected: 10/07/25
Date Received: 10/08/25
SDG No.: Q3310
Matrix: SOIL
% Solid: 72.4
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	210	U	1	210	450	ug/Kg	10/10/25 14:26	PB170055
108-95-2	Phenol	30.5	U	1	30.5	230	ug/Kg	10/10/25 14:26	PB170055
111-44-4	bis(2-Chloroethyl)ether	33.5	U	1	33.5	230	ug/Kg	10/10/25 14:26	PB170055
95-57-8	2-Chlorophenol	33.6	U	1	33.6	230	ug/Kg	10/10/25 14:26	PB170055
95-48-7	2-Methylphenol	41.2	U	1	41.2	230	ug/Kg	10/10/25 14:26	PB170055
108-60-1	2,2-oxybis(1-Chloropropane)	51.7	U	1	51.7	230	ug/Kg	10/10/25 14:26	PB170055
98-86-2	Acetophenone	40.7	U	1	40.7	230	ug/Kg	10/10/25 14:26	PB170055
65794-96-9	3+4-Methylphenols	56.6	U	1	56.6	450	ug/Kg	10/10/25 14:26	PB170055
621-64-7	n-Nitroso-di-n-propylamine	65.3	U	1	65.3	110	ug/Kg	10/10/25 14:26	PB170055
67-72-1	Hexachloroethane	24.3	U	1	24.3	230	ug/Kg	10/10/25 14:26	PB170055
98-95-3	Nitrobenzene	25.2	U	1	25.2	230	ug/Kg	10/10/25 14:26	PB170055
78-59-1	Isophorone	45.2	U	1	45.2	230	ug/Kg	10/10/25 14:26	PB170055
88-75-5	2-Nitrophenol	80.2	U	1	80.2	230	ug/Kg	10/10/25 14:26	PB170055
105-67-9	2,4-Dimethylphenol	89.3	U	1	89.3	230	ug/Kg	10/10/25 14:26	PB170055
111-91-1	bis(2-Chloroethoxy)methane	42.4	U	1	42.4	230	ug/Kg	10/10/25 14:26	PB170055
120-83-2	2,4-Dichlorophenol	39.0	U	1	39.0	230	ug/Kg	10/10/25 14:26	PB170055
91-20-3	Naphthalene	31.3	U	1	31.3	230	ug/Kg	10/10/25 14:26	PB170055
106-47-8	4-Chloroaniline	48.8	U	1	48.8	230	ug/Kg	10/10/25 14:26	PB170055
87-68-3	Hexachlorobutadiene	34.9	U	1	34.9	230	ug/Kg	10/10/25 14:26	PB170055
105-60-2	Caprolactam	71.8	U	1	71.8	450	ug/Kg	10/10/25 14:26	PB170055
59-50-7	4-Chloro-3-methylphenol	39.5	U	1	39.5	230	ug/Kg	10/10/25 14:26	PB170055
91-57-6	2-Methylnaphthalene	35.3	U	1	35.3	230	ug/Kg	10/10/25 14:26	PB170055
77-47-4	Hexachlorocyclopentadiene	160	U	1	160	450	ug/Kg	10/10/25 14:26	PB170055
88-06-2	2,4,6-Trichlorophenol	27.3	U	1	27.3	230	ug/Kg	10/10/25 14:26	PB170055
95-95-4	2,4,5-Trichlorophenol	40.1	U	1	40.1	230	ug/Kg	10/10/25 14:26	PB170055
92-52-4	1,1-Biphenyl	30.0	U	1	30.0	230	ug/Kg	10/10/25 14:26	PB170055
91-58-7	2-Chloronaphthalene	31.0	U	1	31.0	230	ug/Kg	10/10/25 14:26	PB170055
88-74-4	2-Nitroaniline	66.3	U	1	66.3	230	ug/Kg	10/10/25 14:26	PB170055
131-11-3	Dimethylphthalate	37.3	U	1	37.3	230	ug/Kg	10/10/25 14:26	PB170055
208-96-8	Acenaphthylene	39.8	U	1	39.8	230	ug/Kg	10/10/25 14:26	PB170055
606-20-2	2,6-Dinitrotoluene	46.3	U	1	46.3	230	ug/Kg	10/10/25 14:26	PB170055
99-09-2	3-Nitroaniline	63.4	U	1	63.4	230	ug/Kg	10/10/25 14:26	PB170055
83-32-9	Acenaphthene	29.4	U	1	29.4	230	ug/Kg	10/10/25 14:26	PB170055
51-28-5	2,4-Dinitrophenol	320	U	1	320	450	ug/Kg	10/10/25 14:26	PB170055
100-02-7	4-Nitrophenol	150	U	1	150	450	ug/Kg	10/10/25 14:26	PB170055
132-64-9	Dibenzofuran	31.3	U	1	31.3	230	ug/Kg	10/10/25 14:26	PB170055
121-14-2	2,4-Dinitrotoluene	69.0	U	1	69.0	230	ug/Kg	10/10/25 14:26	PB170055
84-66-2	Diethylphthalate	39.0	U	1	39.0	230	ug/Kg	10/10/25 14:26	PB170055
7005-72-3	4-Chlorophenyl-phenylether	36.8	U	1	36.8	230	ug/Kg	10/10/25 14:26	PB170055
86-73-7	Fluorene	34.9	U	1	34.9	230	ug/Kg	10/10/25 14:26	PB170055
100-01-6	4-Nitroaniline	88.5	U	1	88.5	230	ug/Kg	10/10/25 14:26	PB170055
534-52-1	4,6-Dinitro-2-methylphenol	140	U	1	140	450	ug/Kg	10/10/25 14:26	PB170055

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86-30-6	n-Nitrosodiphenylamine	45.3	U	1	45.3	230	ug/Kg	10/10/25 14:26	PB170055
101-55-3	4-Bromophenyl-phenylether	38.3	U	1	38.3	230	ug/Kg	10/10/25 14:26	PB170055
118-74-1	Hexachlorobenzene	34.9	U	1	34.9	230	ug/Kg	10/10/25 14:26	PB170055
1912-24-9	Atrazine	46.9	U	1	46.9	230	ug/Kg	10/10/25 14:26	PB170055
87-86-5	Pentachlorophenol	70.7	U	1	70.7	450	ug/Kg	10/10/25 14:26	PB170055
85-01-8	Phenanthrene	550		1	28.8	230	ug/Kg	10/10/25 14:26	PB170055
120-12-7	Anthracene	150	J	1	45.9	230	ug/Kg	10/10/25 14:26	PB170055
86-74-8	Carbazole	43.0	U	1	43.0	230	ug/Kg	10/10/25 14:26	PB170055
84-74-2	Di-n-butylphthalate	66.0	U	1	66.0	230	ug/Kg	10/10/25 14:26	PB170055
206-44-0	Fluoranthene	750		1	41.3	230	ug/Kg	10/10/25 14:26	PB170055
129-00-0	Pyrene	470		1	49.6	230	ug/Kg	10/10/25 14:26	PB170055
85-68-7	Butylbenzylphthalate	98.4	U	1	98.4	230	ug/Kg	10/10/25 14:26	PB170055
91-94-1	3,3-Dichlorobenzidine	50.6	U	1	50.6	450	ug/Kg	10/10/25 14:26	PB170055
56-55-3	Benzo(a)anthracene	380		1	31.7	230	ug/Kg	10/10/25 14:26	PB170055
218-01-9	Chrysene	300		1	27.4	230	ug/Kg	10/10/25 14:26	PB170055
117-81-7	Bis(2-ethylhexyl)phthalate	81.6	U	1	81.6	230	ug/Kg	10/10/25 14:26	PB170055
117-84-0	Di-n-octyl phthalate	120	U	1	120	450	ug/Kg	10/10/25 14:26	PB170055
205-99-2	Benzo(b)fluoranthene	390		1	26.2	230	ug/Kg	10/10/25 14:26	PB170055
207-08-9	Benzo(k)fluoranthene	150	J	1	30.9	230	ug/Kg	10/10/25 14:26	PB170055
50-32-8	Benzo(a)pyrene	320		1	40.7	230	ug/Kg	10/10/25 14:26	PB170055
193-39-5	Indeno(1,2,3-cd)pyrene	140	J	1	40.1	230	ug/Kg	10/10/25 14:26	PB170055
53-70-3	Dibenzo(a,h)anthracene	37.8	U	1	37.8	230	ug/Kg	10/10/25 14:26	PB170055
191-24-2	Benzo(g,h,i)perylene	170	J	1	35.4	230	ug/Kg	10/10/25 14:26	PB170055
95-94-3	1,2,4,5-Tetrachlorobenzene	35.3	U	1	35.3	230	ug/Kg	10/10/25 14:26	PB170055
123-91-1	1,4-Dioxane	62.3	U	1	62.3	230	ug/Kg	10/10/25 14:26	PB170055
58-90-2	2,3,4,6-Tetrachlorophenol	37.8	U	1	37.8	230	ug/Kg	10/10/25 14:26	PB170055

SURROGATES

367-12-4	2-Fluorophenol	78.4		18 - 112	52%	SPK: 150
13127-88-3	Phenol-d6	75.7		15 - 107	50%	SPK: 150
4165-60-0	Nitrobenzene-d5	55.3		18 - 107	55%	SPK: 100
321-60-8	2-Fluorobiphenyl	50.3		20 - 109	50%	SPK: 100
118-79-6	2,4,6-Tribromophenol	68.9		10 - 116	46%	SPK: 150
1718-51-0	Terphenyl-d14	37.7		10 - 105	38%	SPK: 100

INTERNAL STANDARDS

	Area Count
3855-82-1	111000
1146-65-2	410000
15067-26-2	210000
1517-22-2	320000
1719-03-5	259000
1520-96-3	302000

TENTATIVE IDENTIFIED COMPOUNDS

000119-61-9	Benzophenone	290	J	10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	920	J	11.9	ug/Kg

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Prep Method :	SW3541		
	Level : LOW		
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000057-11-4	Octadecanoic acid	490	J			12.7	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