

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-S02-010074-20251016
Lab Sample ID: Q3375-04
Analytical Method: 8270E Level: LOW
Sample Wt/Vol: 30.01 g Final Vol: 1000 uL
Prep Method: SW3541 Prep Date: 10/20/25

Date Collected: 10/16/25
Date Received: 10/16/25
SDG No.: Q3375
Matrix: SOIL
% Solid: 55.3
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	600	U	1	280	600	ug/Kg	10/21/25 18:01	PB170165
108-95-2	Phenol	310	U	1	40.0	310	ug/Kg	10/21/25 18:01	PB170165
111-44-4	bis(2-Chloroethyl)ether	310	U	1	43.9	310	ug/Kg	10/21/25 18:01	PB170165
95-57-8	2-Chlorophenol	310	U	1	44.1	310	ug/Kg	10/21/25 18:01	PB170165
95-48-7	2-Methylphenol	310	U	1	54.1	310	ug/Kg	10/21/25 18:01	PB170165
108-60-1	2,2-oxybis(1-Chloropropane)	310	U	1	67.8	310	ug/Kg	10/21/25 18:01	PB170165
98-86-2	Acetophenone	310	U	1	53.3	310	ug/Kg	10/21/25 18:01	PB170165
65794-96-9	3+4-Methylphenols	600	U	1	74.3	600	ug/Kg	10/21/25 18:01	PB170165
621-64-7	n-Nitroso-di-n-propylamine	140	U	1	85.7	140	ug/Kg	10/21/25 18:01	PB170165
67-72-1	Hexachloroethane	310	U	1	31.8	310	ug/Kg	10/21/25 18:01	PB170165
98-95-3	Nitrobenzene	310	U	1	33.1	310	ug/Kg	10/21/25 18:01	PB170165
78-59-1	Isophorone	310	U	1	59.3	310	ug/Kg	10/21/25 18:01	PB170165
88-75-5	2-Nitrophenol	310	U	1	110	310	ug/Kg	10/21/25 18:01	PB170165
105-67-9	2,4-Dimethylphenol	310	U	1	120	310	ug/Kg	10/21/25 18:01	PB170165
111-91-1	bis(2-Chloroethoxy)methane	310	U	1	55.7	310	ug/Kg	10/21/25 18:01	PB170165
120-83-2	2,4-Dichlorophenol	310	U	1	51.2	310	ug/Kg	10/21/25 18:01	PB170165
91-20-3	Naphthalene	310	U	1	41.0	310	ug/Kg	10/21/25 18:01	PB170165
106-47-8	4-Chloroaniline	310	U	1	64.0	310	ug/Kg	10/21/25 18:01	PB170165
87-68-3	Hexachlorobutadiene	310	U	1	45.7	310	ug/Kg	10/21/25 18:01	PB170165
105-60-2	Caprolactam	600	U	1	94.2	600	ug/Kg	10/21/25 18:01	PB170165
59-50-7	4-Chloro-3-methylphenol	310	U	1	51.9	310	ug/Kg	10/21/25 18:01	PB170165
91-57-6	2-Methylnaphthalene	310	U	1	46.3	310	ug/Kg	10/21/25 18:01	PB170165
77-47-4	Hexachlorocyclopentadiene	600	U	1	210	600	ug/Kg	10/21/25 18:01	PB170165
88-06-2	2,4,6-Trichlorophenol	310	U	1	35.8	310	ug/Kg	10/21/25 18:01	PB170165
95-95-4	2,4,5-Trichlorophenol	310	U	1	52.6	310	ug/Kg	10/21/25 18:01	PB170165
92-52-4	1,1-Biphenyl	310	U	1	39.4	310	ug/Kg	10/21/25 18:01	PB170165
91-58-7	2-Chloronaphthalene	310	U	1	40.7	310	ug/Kg	10/21/25 18:01	PB170165
88-74-4	2-Nitroaniline	310	U	1	87.0	310	ug/Kg	10/21/25 18:01	PB170165
131-11-3	Dimethylphthalate	310	U	1	49.0	310	ug/Kg	10/21/25 18:01	PB170165
208-96-8	Acenaphthylene	310	U	1	52.2	310	ug/Kg	10/21/25 18:01	PB170165
606-20-2	2,6-Dinitrotoluene	310	U	1	60.7	310	ug/Kg	10/21/25 18:01	PB170165
99-09-2	3-Nitroaniline	310	U	1	83.2	310	ug/Kg	10/21/25 18:01	PB170165
83-32-9	Acenaphthene	310	U	1	38.5	310	ug/Kg	10/21/25 18:01	PB170165
51-28-5	2,4-Dinitrophenol	600	U	1	410	600	ug/Kg	10/21/25 18:01	PB170165
100-02-7	4-Nitrophenol	600	U	1	190	600	ug/Kg	10/21/25 18:01	PB170165
132-64-9	Dibenzofuran	310	U	1	41.0	310	ug/Kg	10/21/25 18:01	PB170165
121-14-2	2,4-Dinitrotoluene	310	U	1	90.6	310	ug/Kg	10/21/25 18:01	PB170165
84-66-2	Diethylphthalate	310	U	1	51.2	310	ug/Kg	10/21/25 18:01	PB170165
7005-72-3	4-Chlorophenyl-phenylether	310	U	1	48.3	310	ug/Kg	10/21/25 18:01	PB170165
86-73-7	Fluorene	310	U	1	45.7	310	ug/Kg	10/21/25 18:01	PB170165
100-01-6	4-Nitroaniline	310	U	1	120	310	ug/Kg	10/21/25 18:01	PB170165
534-52-1	4,6-Dinitro-2-methylphenol	600	U	1	190	600	ug/Kg	10/21/25 18:01	PB170165

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86-30-6	n-Nitrosodiphenylamine	310	U	1	59.5	310	ug/Kg	10/21/25 18:01	PB170165
101-55-3	4-Bromophenyl-phenylether	310	U	1	50.3	310	ug/Kg	10/21/25 18:01	PB170165
118-74-1	Hexachlorobenzene	310	U	1	45.7	310	ug/Kg	10/21/25 18:01	PB170165
1912-24-9	Atrazine	310	U	1	61.5	310	ug/Kg	10/21/25 18:01	PB170165
87-86-5	Pentachlorophenol	600	U	1	92.7	600	ug/Kg	10/21/25 18:01	PB170165
85-01-8	Phenanthrene	310	U	1	37.8	310	ug/Kg	10/21/25 18:01	PB170165
120-12-7	Anthracene	310	U	1	60.2	310	ug/Kg	10/21/25 18:01	PB170165
86-74-8	Carbazole	310	U	1	56.4	310	ug/Kg	10/21/25 18:01	PB170165
84-74-2	Di-n-butylphthalate	310	U	1	86.6	310	ug/Kg	10/21/25 18:01	PB170165
206-44-0	Fluoranthene	310	U	1	54.2	310	ug/Kg	10/21/25 18:01	PB170165
129-00-0	Pyrene	310	U	1	65.1	310	ug/Kg	10/21/25 18:01	PB170165
85-68-7	Butylbenzylphthalate	310	U	1	130	310	ug/Kg	10/21/25 18:01	PB170165
91-94-1	3,3-Dichlorobenzidine	600	U	1	66.3	600	ug/Kg	10/21/25 18:01	PB170165
56-55-3	Benzo(a)anthracene	310	U	1	41.6	310	ug/Kg	10/21/25 18:01	PB170165
218-01-9	Chrysene	310	U	1	36.0	310	ug/Kg	10/21/25 18:01	PB170165
117-81-7	Bis(2-ethylhexyl)phthalate	310	U	1	110	310	ug/Kg	10/21/25 18:01	PB170165
117-84-0	Di-n-octyl phthalate	600	U	1	160	600	ug/Kg	10/21/25 18:01	PB170165
205-99-2	Benzo(b)fluoranthene	310	U	1	34.3	310	ug/Kg	10/21/25 18:01	PB170165
207-08-9	Benzo(k)fluoranthene	310	U	1	40.5	310	ug/Kg	10/21/25 18:01	PB170165
50-32-8	Benzo(a)pyrene	130	J	1	53.3	310	ug/Kg	10/21/25 18:01	PB170165
193-39-5	Indeno(1,2,3-cd)pyrene	310	U	1	52.6	310	ug/Kg	10/21/25 18:01	PB170165
53-70-3	Dibenzo(a,h)anthracene	310	U	1	49.5	310	ug/Kg	10/21/25 18:01	PB170165
191-24-2	Benzo(g,h,i)perylene	310	U	1	46.5	310	ug/Kg	10/21/25 18:01	PB170165
95-94-3	1,2,4,5-Tetrachlorobenzene	310	U	1	46.3	310	ug/Kg	10/21/25 18:01	PB170165
123-91-1	1,4-Dioxane	310	U	1	81.7	310	ug/Kg	10/21/25 18:01	PB170165
58-90-2	2,3,4,6-Tetrachlorophenol	310	U	1	49.5	310	ug/Kg	10/21/25 18:01	PB170165

SURROGATES

367-12-4	2-Fluorophenol	84.6		18 - 112	56%	SPK: 150
13127-88-3	Phenol-d6	82.3		15 - 107	55%	SPK: 150
4165-60-0	Nitrobenzene-d5	57.6		18 - 107	58%	SPK: 100
321-60-8	2-Fluorobiphenyl	50.7		20 - 109	51%	SPK: 100
118-79-6	2,4,6-Tribromophenol	72.6		10 - 116	48%	SPK: 150
1718-51-0	Terphenyl-d14	35.4		10 - 105	35%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	115000
1146-65-2	Naphthalene-d8	413000
15067-26-2	Acenaphthene-d10	191000
1517-22-2	Phenanthrene-d10	290000
1719-03-5	Chrysene-d12	267000
1520-96-3	Perylene-d12	332000

TENTATIVE IDENTIFIED COMPOUNDS

017301-23-4	Undecane, 2,6-dimethyl-	140	J	8.22	ug/Kg
074645-98-0	Dodecane, 2,7,10-trimethyl-	170	J	9.18	ug/Kg

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Lab Sample ID:	Q3375-04		Matrix:	SOIL
Analytical Method:	8270E	Level : LOW	% Solid:	55.3
Sample Wt/Vol:	30.01 g	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date: 10/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
000119-61-9	Benzophenone	460	J			10.6	ug/Kg		
000629-50-5	Tridecane	180	J			11.3	ug/Kg		
000638-53-9	Tridecanoic acid	330	J			11.9	ug/Kg		
015594-90-8	1-Heneicosanol	270	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