

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-S11-010080-20251021
Lab Sample ID: Q3424-02
Analytical Method: 8270E Level: LOW
Sample Wt/Vol: 30.05 g Final Vol: 1000 uL
Prep Method: SW3541 Prep Date: 10/23/25

Date Collected: 10/21/25
Date Received: 10/21/25
SDG No.: Q3424
Matrix: SOIL
% Solid: 50.1
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	660	U	1	310	660	ug/Kg	10/28/25 15:45	PB170215
108-95-2	Phenol	340	U	1	44.0	340	ug/Kg	10/28/25 15:45	PB170215
111-44-4	bis(2-Chloroethyl)ether	340	U	1	48.4	340	ug/Kg	10/28/25 15:45	PB170215
95-57-8	2-Chlorophenol	340	U	1	48.6	340	ug/Kg	10/28/25 15:45	PB170215
95-48-7	2-Methylphenol	340	U	1	59.6	340	ug/Kg	10/28/25 15:45	PB170215
108-60-1	2,2-oxybis(1-Chloropropane)	340	U	1	74.7	340	ug/Kg	10/28/25 15:45	PB170215
98-86-2	Acetophenone	340	U	1	58.8	340	ug/Kg	10/28/25 15:45	PB170215
65794-96-9	3+4-Methylphenols	660	U	1	81.9	660	ug/Kg	10/28/25 15:45	PB170215
621-64-7	n-Nitroso-di-n-propylamine	160	U	1	94.5	160	ug/Kg	10/28/25 15:45	PB170215
67-72-1	Hexachloroethane	340	U	1	35.1	340	ug/Kg	10/28/25 15:45	PB170215
98-95-3	Nitrobenzene	340	U	1	36.5	340	ug/Kg	10/28/25 15:45	PB170215
78-59-1	Isophorone	340	U	1	65.4	340	ug/Kg	10/28/25 15:45	PB170215
88-75-5	2-Nitrophenol	340	U	1	120	340	ug/Kg	10/28/25 15:45	PB170215
105-67-9	2,4-Dimethylphenol	340	U	1	130	340	ug/Kg	10/28/25 15:45	PB170215
111-91-1	bis(2-Chloroethoxy)methane	340	U	1	61.4	340	ug/Kg	10/28/25 15:45	PB170215
120-83-2	2,4-Dichlorophenol	340	U	1	56.4	340	ug/Kg	10/28/25 15:45	PB170215
91-20-3	Naphthalene	340	U	1	45.2	340	ug/Kg	10/28/25 15:45	PB170215
106-47-8	4-Chloroaniline	340	U	1	70.5	340	ug/Kg	10/28/25 15:45	PB170215
87-68-3	Hexachlorobutadiene	340	U	1	50.4	340	ug/Kg	10/28/25 15:45	PB170215
105-60-2	Caprolactam	660	U	1	100	660	ug/Kg	10/28/25 15:45	PB170215
59-50-7	4-Chloro-3-methylphenol	340	U	1	57.2	340	ug/Kg	10/28/25 15:45	PB170215
91-57-6	2-Methylnaphthalene	340	U	1	51.0	340	ug/Kg	10/28/25 15:45	PB170215
77-47-4	Hexachlorocyclopentadiene	660	U	1	230	660	ug/Kg	10/28/25 15:45	PB170215
88-06-2	2,4,6-Trichlorophenol	340	U	1	39.5	340	ug/Kg	10/28/25 15:45	PB170215
95-95-4	2,4,5-Trichlorophenol	340	U	1	58.0	340	ug/Kg	10/28/25 15:45	PB170215
92-52-4	1,1-Biphenyl	340	U	1	43.4	340	ug/Kg	10/28/25 15:45	PB170215
91-58-7	2-Chloronaphthalene	340	U	1	44.8	340	ug/Kg	10/28/25 15:45	PB170215
88-74-4	2-Nitroaniline	340	U	1	95.8	340	ug/Kg	10/28/25 15:45	PB170215
131-11-3	Dimethylphthalate	340	U	1	54.0	340	ug/Kg	10/28/25 15:45	PB170215
208-96-8	Acenaphthylene	340	U	1	57.6	340	ug/Kg	10/28/25 15:45	PB170215
606-20-2	2,6-Dinitrotoluene	340	U	1	67.0	340	ug/Kg	10/28/25 15:45	PB170215
99-09-2	3-Nitroaniline	340	U	1	91.7	340	ug/Kg	10/28/25 15:45	PB170215
83-32-9	Acenaphthene	340	U	1	42.4	340	ug/Kg	10/28/25 15:45	PB170215
51-28-5	2,4-Dinitrophenol	660	U	1	460	660	ug/Kg	10/28/25 15:45	PB170215
100-02-7	4-Nitrophenol	660	U	1	210	660	ug/Kg	10/28/25 15:45	PB170215
132-64-9	Dibenzofuran	340	U	1	45.2	340	ug/Kg	10/28/25 15:45	PB170215
121-14-2	2,4-Dinitrotoluene	340	U	1	99.8	340	ug/Kg	10/28/25 15:45	PB170215
84-66-2	Diethylphthalate	340	U	1	56.4	340	ug/Kg	10/28/25 15:45	PB170215
7005-72-3	4-Chlorophenyl-phenylether	340	U	1	53.2	340	ug/Kg	10/28/25 15:45	PB170215
86-73-7	Fluorene	340	U	1	50.4	340	ug/Kg	10/28/25 15:45	PB170215
100-01-6	4-Nitroaniline	340	U	1	130	340	ug/Kg	10/28/25 15:45	PB170215
534-52-1	4,6-Dinitro-2-methylphenol	660	U	1	210	660	ug/Kg	10/28/25 15:45	PB170215

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86-30-6	n-Nitrosodiphenylamine	340	U	1	65.6	340	ug/Kg	10/28/25 15:45	PB170215
101-55-3	4-Bromophenyl-phenylether	340	U	1	55.4	340	ug/Kg	10/28/25 15:45	PB170215
118-74-1	Hexachlorobenzene	340	U	1	50.4	340	ug/Kg	10/28/25 15:45	PB170215
1912-24-9	Atrazine	340	U	1	67.8	340	ug/Kg	10/28/25 15:45	PB170215
87-86-5	Pentachlorophenol	660	U	1	100	660	ug/Kg	10/28/25 15:45	PB170215
85-01-8	Phenanthrene	340	U	1	41.6	340	ug/Kg	10/28/25 15:45	PB170215
120-12-7	Anthracene	340	U	1	66.4	340	ug/Kg	10/28/25 15:45	PB170215
86-74-8	Carbazole	340	U	1	62.2	340	ug/Kg	10/28/25 15:45	PB170215
84-74-2	Di-n-butylphthalate	340	U	1	95.4	340	ug/Kg	10/28/25 15:45	PB170215
206-44-0	Fluoranthene	340	U	1	59.8	340	ug/Kg	10/28/25 15:45	PB170215
129-00-0	Pyrene	340	U	1	71.7	340	ug/Kg	10/28/25 15:45	PB170215
85-68-7	Butylbenzylphthalate	340	U	1	140	340	ug/Kg	10/28/25 15:45	PB170215
91-94-1	3,3-Dichlorobenzidine	660	U	1	73.1	660	ug/Kg	10/28/25 15:45	PB170215
56-55-3	Benzo(a)anthracene	340	U	1	45.8	340	ug/Kg	10/28/25 15:45	PB170215
218-01-9	Chrysene	340	U	1	39.7	340	ug/Kg	10/28/25 15:45	PB170215
117-81-7	Bis(2-ethylhexyl)phthalate	190	J	1	120	340	ug/Kg	10/28/25 15:45	PB170215
117-84-0	Di-n-octyl phthalate	660	U	1	170	660	ug/Kg	10/28/25 15:45	PB170215
205-99-2	Benzo(b)fluoranthene	340	U	1	37.9	340	ug/Kg	10/28/25 15:45	PB170215
207-08-9	Benzo(k)fluoranthene	340	U	1	44.6	340	ug/Kg	10/28/25 15:45	PB170215
50-32-8	Benzo(a)pyrene	340	U	1	58.8	340	ug/Kg	10/28/25 15:45	PB170215
193-39-5	Indeno(1,2,3-cd)pyrene	340	U	1	58.0	340	ug/Kg	10/28/25 15:45	PB170215
53-70-3	Dibenzo(a,h)anthracene	340	U	1	54.6	340	ug/Kg	10/28/25 15:45	PB170215
191-24-2	Benzo(g,h,i)perylene	340	U	1	51.2	340	ug/Kg	10/28/25 15:45	PB170215
95-94-3	1,2,4,5-Tetrachlorobenzene	340	U	1	51.0	340	ug/Kg	10/28/25 15:45	PB170215
123-91-1	1,4-Dioxane	340	U	1	90.1	340	ug/Kg	10/28/25 15:45	PB170215
58-90-2	2,3,4,6-Tetrachlorophenol	340	U	1	54.6	340	ug/Kg	10/28/25 15:45	PB170215

SURROGATES

367-12-4	2-Fluorophenol	128		18 - 112	86%	SPK: 150
13127-88-3	Phenol-d6	135		15 - 107	90%	SPK: 150
4165-60-0	Nitrobenzene-d5	91.8		18 - 107	92%	SPK: 100
321-60-8	2-Fluorobiphenyl	85.4		20 - 109	85%	SPK: 100
118-79-6	2,4,6-Tribromophenol	159		10 - 116	106%	SPK: 150
1718-51-0	Terphenyl-d14	107	*	10 - 105	107%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	66600
1146-65-2	Naphthalene-d8	255000
15067-26-2	Acenaphthene-d10	146000
1517-22-2	Phenanthrene-d10	261000
1719-03-5	Chrysene-d12	153000
1520-96-3	Perylene-d12	170000

TENTATIVE IDENTIFIED COMPOUNDS

000119-61-9	Benzophenone	920	J	10.6	ug/Kg
001921-70-6	Pentadecane, 2,6,10,14-tetramethyl	150	J	10.8	ug/Kg

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Sample Wt/Vol:	30.05 g	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
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000947-19-3	Methanone, (1-hydroxycyclohexyl)ph	150	J			10.9	ug/Kg		
000057-10-3	n-Hexadecanoic acid	760	J			11.9	ug/Kg		
000295-65-8	Cyclohexadecane	360	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