

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-S15-000008-20251021
Lab Sample ID: Q3422-01
Analytical Method: 8270E Level: LOW
Sample Wt/Vol: 30.08 g Final Vol: 1000 uL
Prep Method: SW3510C Prep Date: 10/23/25

Date Collected: 10/21/25
Date Received: 10/21/25
SDG No.: Q3422
Matrix: SOIL
% Solid: 58.1
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	570	U	1	270	570	ug/Kg	10/27/25 21:31	PB170215
108-95-2	Phenol	290	U	1	37.9	290	ug/Kg	10/27/25 21:31	PB170215
111-44-4	bis(2-Chloroethyl)ether	290	U	1	41.7	290	ug/Kg	10/27/25 21:31	PB170215
95-57-8	2-Chlorophenol	290	U	1	41.9	290	ug/Kg	10/27/25 21:31	PB170215
95-48-7	2-Methylphenol	290	U	1	51.3	290	ug/Kg	10/27/25 21:31	PB170215
108-60-1	2,2-oxybis(1-Chloropropane)	290	U	1	64.4	290	ug/Kg	10/27/25 21:31	PB170215
98-86-2	Acetophenone	290	U	1	50.6	290	ug/Kg	10/27/25 21:31	PB170215
65794-96-9	3+4-Methylphenols	570	U	1	70.6	570	ug/Kg	10/27/25 21:31	PB170215
621-64-7	n-Nitroso-di-n-propylamine	140	U	1	81.4	140	ug/Kg	10/27/25 21:31	PB170215
67-72-1	Hexachloroethane	290	U	1	30.2	290	ug/Kg	10/27/25 21:31	PB170215
98-95-3	Nitrobenzene	290	U	1	31.4	290	ug/Kg	10/27/25 21:31	PB170215
78-59-1	Isophorone	290	U	1	56.3	290	ug/Kg	10/27/25 21:31	PB170215
88-75-5	2-Nitrophenol	290	U	1	99.9	290	ug/Kg	10/27/25 21:31	PB170215
105-67-9	2,4-Dimethylphenol	290	U	1	110	290	ug/Kg	10/27/25 21:31	PB170215
111-91-1	bis(2-Chloroethoxy)methane	290	U	1	52.9	290	ug/Kg	10/27/25 21:31	PB170215
120-83-2	2,4-Dichlorophenol	290	U	1	48.6	290	ug/Kg	10/27/25 21:31	PB170215
91-20-3	Naphthalene	290	U	1	39.0	290	ug/Kg	10/27/25 21:31	PB170215
106-47-8	4-Chloroaniline	290	U	1	60.8	290	ug/Kg	10/27/25 21:31	PB170215
87-68-3	Hexachlorobutadiene	290	U	1	43.4	290	ug/Kg	10/27/25 21:31	PB170215
105-60-2	Caprolactam	570	U	1	89.4	570	ug/Kg	10/27/25 21:31	PB170215
59-50-7	4-Chloro-3-methylphenol	290	U	1	49.3	290	ug/Kg	10/27/25 21:31	PB170215
91-57-6	2-Methylnaphthalene	290	U	1	43.9	290	ug/Kg	10/27/25 21:31	PB170215
77-47-4	Hexachlorocyclopentadiene	570	U	1	200	570	ug/Kg	10/27/25 21:31	PB170215
88-06-2	2,4,6-Trichlorophenol	290	U	1	34.0	290	ug/Kg	10/27/25 21:31	PB170215
95-95-4	2,4,5-Trichlorophenol	290	U	1	50.0	290	ug/Kg	10/27/25 21:31	PB170215
92-52-4	1,1-Biphenyl	290	U	1	37.4	290	ug/Kg	10/27/25 21:31	PB170215
91-58-7	2-Chloronaphthalene	290	U	1	38.6	290	ug/Kg	10/27/25 21:31	PB170215
88-74-4	2-Nitroaniline	290	U	1	82.6	290	ug/Kg	10/27/25 21:31	PB170215
131-11-3	Dimethylphthalate	290	U	1	46.5	290	ug/Kg	10/27/25 21:31	PB170215
208-96-8	Acenaphthylene	290	U	1	49.6	290	ug/Kg	10/27/25 21:31	PB170215
606-20-2	2,6-Dinitrotoluene	290	U	1	57.7	290	ug/Kg	10/27/25 21:31	PB170215
99-09-2	3-Nitroaniline	290	U	1	79.0	290	ug/Kg	10/27/25 21:31	PB170215
83-32-9	Acenaphthene	290	U	1	36.6	290	ug/Kg	10/27/25 21:31	PB170215
51-28-5	2,4-Dinitrophenol	570	U	1	390	570	ug/Kg	10/27/25 21:31	PB170215
100-02-7	4-Nitrophenol	570	U	1	180	570	ug/Kg	10/27/25 21:31	PB170215
132-64-9	Dibenzofuran	290	U	1	39.0	290	ug/Kg	10/27/25 21:31	PB170215
121-14-2	2,4-Dinitrotoluene	290	U	1	86.0	290	ug/Kg	10/27/25 21:31	PB170215
84-66-2	Diethylphthalate	290	U	1	48.6	290	ug/Kg	10/27/25 21:31	PB170215
7005-72-3	4-Chlorophenyl-phenylether	290	U	1	45.8	290	ug/Kg	10/27/25 21:31	PB170215
86-73-7	Fluorene	290	U	1	43.4	290	ug/Kg	10/27/25 21:31	PB170215
100-01-6	4-Nitroaniline	290	U	1	110	290	ug/Kg	10/27/25 21:31	PB170215
534-52-1	4,6-Dinitro-2-methylphenol	570	U	1	180	570	ug/Kg	10/27/25 21:31	PB170215

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Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	290	U	1	56.5	290	ug/Kg	10/27/25 21:31	PB170215
101-55-3	4-Bromophenyl-phenylether	290	U	1	47.7	290	ug/Kg	10/27/25 21:31	PB170215
118-74-1	Hexachlorobenzene	290	U	1	43.4	290	ug/Kg	10/27/25 21:31	PB170215
1912-24-9	Atrazine	290	U	1	58.4	290	ug/Kg	10/27/25 21:31	PB170215
87-86-5	Pentachlorophenol	570	U	1	88.1	570	ug/Kg	10/27/25 21:31	PB170215
85-01-8	Phenanthrene	290	U	1	35.9	290	ug/Kg	10/27/25 21:31	PB170215
120-12-7	Anthracene	290	U	1	57.2	290	ug/Kg	10/27/25 21:31	PB170215
86-74-8	Carbazole	290	U	1	53.6	290	ug/Kg	10/27/25 21:31	PB170215
84-74-2	Di-n-butylphthalate	290	U	1	82.2	290	ug/Kg	10/27/25 21:31	PB170215
206-44-0	Fluoranthene	190	J	1	51.5	290	ug/Kg	10/27/25 21:31	PB170215
129-00-0	Pyrene	150	J	1	61.8	290	ug/Kg	10/27/25 21:31	PB170215
85-68-7	Butylbenzylphthalate	290	U	1	120	290	ug/Kg	10/27/25 21:31	PB170215
91-94-1	3,3-Dichlorobenzidine	570	U	1	63.0	570	ug/Kg	10/27/25 21:31	PB170215
56-55-3	Benzo(a)anthracene	290	U	1	39.5	290	ug/Kg	10/27/25 21:31	PB170215
218-01-9	Chrysene	290	U	1	34.2	290	ug/Kg	10/27/25 21:31	PB170215
117-81-7	Bis(2-ethylhexyl)phthalate	290	U	1	100	290	ug/Kg	10/27/25 21:31	PB170215
117-84-0	Di-n-octyl phthalate	570	U	1	150	570	ug/Kg	10/27/25 21:31	PB170215
205-99-2	Benzo(b)fluoranthene	290	U	1	32.6	290	ug/Kg	10/27/25 21:31	PB170215
207-08-9	Benzo(k)fluoranthene	290	U	1	38.5	290	ug/Kg	10/27/25 21:31	PB170215
50-32-8	Benzo(a)pyrene	290	U	1	50.6	290	ug/Kg	10/27/25 21:31	PB170215
193-39-5	Indeno(1,2,3-cd)pyrene	290	U	1	50.0	290	ug/Kg	10/27/25 21:31	PB170215
53-70-3	Dibenzo(a,h)anthracene	290	U	1	47.0	290	ug/Kg	10/27/25 21:31	PB170215
191-24-2	Benzo(g,h,i)perylene	290	U	1	44.1	290	ug/Kg	10/27/25 21:31	PB170215
95-94-3	1,2,4,5-Tetrachlorobenzene	290	U	1	43.9	290	ug/Kg	10/27/25 21:31	PB170215
123-91-1	1,4-Dioxane	290	U	1	77.6	290	ug/Kg	10/27/25 21:31	PB170215
58-90-2	2,3,4,6-Tetrachlorophenol	290	U	1	47.0	290	ug/Kg	10/27/25 21:31	PB170215

SURROGATES

367-12-4	2-Fluorophenol	58.8		18 - 112	39%	SPK: 150
13127-88-3	Phenol-d6	55.4		15 - 107	37%	SPK: 150
4165-60-0	Nitrobenzene-d5	39.2		18 - 107	39%	SPK: 100
321-60-8	2-Fluorobiphenyl	34.8		20 - 109	35%	SPK: 100
118-79-6	2,4,6-Tribromophenol	58.3		10 - 116	39%	SPK: 150
1718-51-0	Terphenyl-d14	34.1		10 - 105	34%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	39400
1146-65-2	Naphthalene-d8	158000
15067-26-2	Acenaphthene-d10	121000
1517-22-2	Phenanthrene-d10	282000
1719-03-5	Chrysene-d12	298000
1520-96-3	Perylene-d12	320000

TENTATIVE IDENTIFIED COMPOUNDS

000119-61-9	Benzophenone	170	J	16.2	ug/Kg
1000285-40-2	.beta.-iso-Methyl ionone	220	J	28.3	ug/Kg

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Analytical Method:	8270E	Level : LOW	% Solid:	58.1
Sample Wt/Vol:	30.08 g	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C	Prep Date: 10/23/25		

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