

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-S16-094119-20251021
Lab Sample ID: Q3419-05
Analytical Method: 8270E Level: LOW
Sample Wt/Vol: 30.06 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.: Q3419
Matrix: SOIL
% Solid: 46.9
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	330	U	1	330	700	ug/Kg	10/28/25 17:54	PB170215
108-95-2	Phenol	47.0	U	1	47.0	360	ug/Kg	10/28/25 17:54	PB170215
111-44-4	bis(2-Chloroethyl)ether	51.7	U	1	51.7	360	ug/Kg	10/28/25 17:54	PB170215
95-57-8	2-Chlorophenol	51.9	U	1	51.9	360	ug/Kg	10/28/25 17:54	PB170215
95-48-7	2-Methylphenol	63.6	U	1	63.6	360	ug/Kg	10/28/25 17:54	PB170215
108-60-1	2,2-oxybis(1-Chloropropane)	79.8	U	1	79.8	360	ug/Kg	10/28/25 17:54	PB170215
98-86-2	Acetophenone	62.8	U	1	62.8	360	ug/Kg	10/28/25 17:54	PB170215
65794-96-9	3+4-Methylphenols	87.5	U	1	87.5	700	ug/Kg	10/28/25 17:54	PB170215
621-64-7	n-Nitroso-di-n-propylamine	100	U	1	100	170	ug/Kg	10/28/25 17:54	PB170215
67-72-1	Hexachloroethane	37.5	U	1	37.5	360	ug/Kg	10/28/25 17:54	PB170215
98-95-3	Nitrobenzene	38.9	U	1	38.9	360	ug/Kg	10/28/25 17:54	PB170215
78-59-1	Isophorone	69.8	U	1	69.8	360	ug/Kg	10/28/25 17:54	PB170215
88-75-5	2-Nitrophenol	120	U	1	120	360	ug/Kg	10/28/25 17:54	PB170215
105-67-9	2,4-Dimethylphenol	140	U	1	140	360	ug/Kg	10/28/25 17:54	PB170215
111-91-1	bis(2-Chloroethoxy)methane	65.5	U	1	65.5	360	ug/Kg	10/28/25 17:54	PB170215
120-83-2	2,4-Dichlorophenol	60.2	U	1	60.2	360	ug/Kg	10/28/25 17:54	PB170215
91-20-3	Naphthalene	48.3	U	1	48.3	360	ug/Kg	10/28/25 17:54	PB170215
106-47-8	4-Chloroaniline	75.3	U	1	75.3	360	ug/Kg	10/28/25 17:54	PB170215
87-68-3	Hexachlorobutadiene	53.8	U	1	53.8	360	ug/Kg	10/28/25 17:54	PB170215
105-60-2	Caprolactam	110	U	1	110	700	ug/Kg	10/28/25 17:54	PB170215
59-50-7	4-Chloro-3-methylphenol	61.1	U	1	61.1	360	ug/Kg	10/28/25 17:54	PB170215
91-57-6	2-Methylnaphthalene	54.5	U	1	54.5	360	ug/Kg	10/28/25 17:54	PB170215
77-47-4	Hexachlorocyclopentadiene	250	U	1	250	700	ug/Kg	10/28/25 17:54	PB170215
88-06-2	2,4,6-Trichlorophenol	42.1	U	1	42.1	360	ug/Kg	10/28/25 17:54	PB170215
95-95-4	2,4,5-Trichlorophenol	61.9	U	1	61.9	360	ug/Kg	10/28/25 17:54	PB170215
92-52-4	1,1-Biphenyl	46.4	U	1	46.4	360	ug/Kg	10/28/25 17:54	PB170215
91-58-7	2-Chloronaphthalene	47.9	U	1	47.9	360	ug/Kg	10/28/25 17:54	PB170215
88-74-4	2-Nitroaniline	100	U	1	100	360	ug/Kg	10/28/25 17:54	PB170215
131-11-3	Dimethylphthalate	57.7	U	1	57.7	360	ug/Kg	10/28/25 17:54	PB170215
208-96-8	Acenaphthylene	61.5	U	1	61.5	360	ug/Kg	10/28/25 17:54	PB170215
606-20-2	2,6-Dinitrotoluene	71.5	U	1	71.5	360	ug/Kg	10/28/25 17:54	PB170215
99-09-2	3-Nitroaniline	97.9	U	1	97.9	360	ug/Kg	10/28/25 17:54	PB170215
83-32-9	Acenaphthene	210	J	1	45.3	360	ug/Kg	10/28/25 17:54	PB170215
51-28-5	2,4-Dinitrophenol	490	U	1	490	700	ug/Kg	10/28/25 17:54	PB170215
100-02-7	4-Nitrophenol	230	U	1	230	700	ug/Kg	10/28/25 17:54	PB170215
132-64-9	Dibenzofuran	240	J	1	48.3	360	ug/Kg	10/28/25 17:54	PB170215
121-14-2	2,4-Dinitrotoluene	110	U	1	110	360	ug/Kg	10/28/25 17:54	PB170215
84-66-2	Diethylphthalate	60.2	U	1	60.2	360	ug/Kg	10/28/25 17:54	PB170215
7005-72-3	4-Chlorophenyl-phenylether	56.8	U	1	56.8	360	ug/Kg	10/28/25 17:54	PB170215
86-73-7	Fluorene	660		1	53.8	360	ug/Kg	10/28/25 17:54	PB170215
100-01-6	4-Nitroaniline	140	U	1	140	360	ug/Kg	10/28/25 17:54	PB170215
534-52-1	4,6-Dinitro-2-methylphenol	220	U	1	220	700	ug/Kg	10/28/25 17:54	PB170215

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Client Sample ID:	PR132-S16-094119-20251021		SDG No.:	Q3419
Lab Sample ID:	Q3419-05		Matrix:	SOIL
Analytical Method:	8270E	Level: LOW	% Solid:	46.9
Sample Wt/Vol:	30.06 g	Final Vol:	1000 uL	Test:
Prep Method :	SW3541	Prep Date:	10/23/25	SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	70.0	U	1	70.0	360	ug/Kg	10/28/25 17:54	PB170215
101-55-3	4-Bromophenyl-phenylether	59.2	U	1	59.2	360	ug/Kg	10/28/25 17:54	PB170215
118-74-1	Hexachlorobenzene	53.8	U	1	53.8	360	ug/Kg	10/28/25 17:54	PB170215
1912-24-9	Atrazine	72.4	U	1	72.4	360	ug/Kg	10/28/25 17:54	PB170215
87-86-5	Pentachlorophenol	110	U	1	110	700	ug/Kg	10/28/25 17:54	PB170215
85-01-8	Phenanthrene	4400		1	44.5	360	ug/Kg	10/28/25 17:54	PB170215
120-12-7	Anthracene	3100		1	70.9	360	ug/Kg	10/28/25 17:54	PB170215
86-74-8	Carbazole	920		1	66.4	360	ug/Kg	10/28/25 17:54	PB170215
84-74-2	Di-n-butylphthalate	100	U	1	100	360	ug/Kg	10/28/25 17:54	PB170215
206-44-0	Fluoranthene	5200		1	63.8	360	ug/Kg	10/28/25 17:54	PB170215
129-00-0	Pyrene	2800		1	76.6	360	ug/Kg	10/28/25 17:54	PB170215
85-68-7	Butylbenzylphthalate	150	U	1	150	360	ug/Kg	10/28/25 17:54	PB170215
91-94-1	3,3-Dichlorobenzidine	78.1	U	1	78.1	700	ug/Kg	10/28/25 17:54	PB170215
56-55-3	Benzo(a)anthracene	1100		1	48.9	360	ug/Kg	10/28/25 17:54	PB170215
218-01-9	Chrysene	1200		1	42.3	360	ug/Kg	10/28/25 17:54	PB170215
117-81-7	Bis(2-ethylhexyl)phthalate	180	J	1	130	360	ug/Kg	10/28/25 17:54	PB170215
117-84-0	Di-n-octyl phthalate	180	U	1	180	700	ug/Kg	10/28/25 17:54	PB170215
205-99-2	Benzo(b)fluoranthene	470		1	40.4	360	ug/Kg	10/28/25 17:54	PB170215
207-08-9	Benzo(k)fluoranthene	190	J	1	47.7	360	ug/Kg	10/28/25 17:54	PB170215
50-32-8	Benzo(a)pyrene	320	J	1	62.8	360	ug/Kg	10/28/25 17:54	PB170215
193-39-5	Indeno(1,2,3-cd)pyrene	61.9	U	1	61.9	360	ug/Kg	10/28/25 17:54	PB170215
53-70-3	Dibenzo(a,h)anthracene	58.3	U	1	58.3	360	ug/Kg	10/28/25 17:54	PB170215
191-24-2	Benzo(g,h,i)perylene	54.7	U	1	54.7	360	ug/Kg	10/28/25 17:54	PB170215
95-94-3	1,2,4,5-Tetrachlorobenzene	54.5	U	1	54.5	360	ug/Kg	10/28/25 17:54	PB170215
123-91-1	1,4-Dioxane	96.2	U	1	96.2	360	ug/Kg	10/28/25 17:54	PB170215
58-90-2	2,3,4,6-Tetrachlorophenol	58.3	U	1	58.3	360	ug/Kg	10/28/25 17:54	PB170215

SURROGATES

367-12-4	2-Fluorophenol	84.7		18 - 112	56%	SPK: 150
13127-88-3	Phenol-d6	76.3		15 - 107	51%	SPK: 150
4165-60-0	Nitrobenzene-d5	58.8		18 - 107	59%	SPK: 100
321-60-8	2-Fluorobiphenyl	46.5		20 - 109	46%	SPK: 100
118-79-6	2,4,6-Tribromophenol	82.5		10 - 116	55%	SPK: 150
1718-51-0	Terphenyl-d14	43.7		10 - 105	44%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	35900
1146-65-2	Naphthalene-d8	132000
15067-26-2	Acenaphthene-d10	98600
1517-22-2	Phenanthrene-d10	223000
1719-03-5	Chrysene-d12	286000
1520-96-3	Perylene-d12	312000

TENTATIVE IDENTIFIED COMPOUNDS

000091-57-6	Naphthalene, 2-methyl-	200	J	12.7	ug/Kg
000119-61-9	Benzophenone	500	J	16.2	ug/Kg

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Sample Wt/Vol:	30.06 g	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date: 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
003075-84-1	1,1-Biphenyl, 2,2,5,5-tetrameth	300	J			16.5	ug/Kg		
000132-65-0	Dibenzothiophene	550	J			17.4	ug/Kg		
002531-84-2	Phenanthrene, 2-methyl-	1000	J			18.5	ug/Kg		
000832-69-9	Phenanthrene, 1-methyl-	840	J			18.5	ug/Kg		
000949-41-7	1H-Cyclopropa[1]phenanthrene, 1a,9b	510	J			18.6	ug/Kg		
000612-94-2	Naphthalene, 2-phenyl-	560	J			18.9	ug/Kg		
002789-88-0	di-p-Tolylacetylene	290	J			19.4	ug/Kg		
000243-17-4	11H-Benzo[b]fluorene	520	J			20.5	ug/Kg		
000192-97-2	Benzo[e]pyrene	310	J			24.9	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