

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR-132-S16-015094-20251021
Lab Sample ID: Q3419-01
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: 54.4
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	290	U	1	290	610	ug/Kg	10/29/25 16:53	PB170215
108-95-2	Phenol	40.5	U	1	40.5	310	ug/Kg	10/29/25 16:53	PB170215
111-44-4	bis(2-Chloroethyl)ether	44.6	U	1	44.6	310	ug/Kg	10/29/25 16:53	PB170215
95-57-8	2-Chlorophenol	44.8	U	1	44.8	310	ug/Kg	10/29/25 16:53	PB170215
95-48-7	2-Methylphenol	54.9	U	1	54.9	310	ug/Kg	10/29/25 16:53	PB170215
108-60-1	2,2-oxybis(1-Chloropropane)	68.8	U	1	68.8	310	ug/Kg	10/29/25 16:53	PB170215
98-86-2	Acetophenone	54.1	U	1	54.1	310	ug/Kg	10/29/25 16:53	PB170215
65794-96-9	3+4-Methylphenols	75.4	U	1	75.4	610	ug/Kg	10/29/25 16:53	PB170215
621-64-7	n-Nitroso-di-n-propylamine	87.0	U	1	87.0	150	ug/Kg	10/29/25 16:53	PB170215
67-72-1	Hexachloroethane	32.3	U	1	32.3	310	ug/Kg	10/29/25 16:53	PB170215
98-95-3	Nitrobenzene	33.6	U	1	33.6	310	ug/Kg	10/29/25 16:53	PB170215
78-59-1	Isophorone	60.2	U	1	60.2	310	ug/Kg	10/29/25 16:53	PB170215
88-75-5	2-Nitrophenol	110	U	1	110	310	ug/Kg	10/29/25 16:53	PB170215
105-67-9	2,4-Dimethylphenol	120	U	1	120	310	ug/Kg	10/29/25 16:53	PB170215
111-91-1	bis(2-Chloroethoxy)methane	56.5	U	1	56.5	310	ug/Kg	10/29/25 16:53	PB170215
120-83-2	2,4-Dichlorophenol	51.9	U	1	51.9	310	ug/Kg	10/29/25 16:53	PB170215
91-20-3	Naphthalene	41.6	U	1	41.6	310	ug/Kg	10/29/25 16:53	PB170215
106-47-8	4-Chloroaniline	64.9	U	1	64.9	310	ug/Kg	10/29/25 16:53	PB170215
87-68-3	Hexachlorobutadiene	46.4	U	1	46.4	310	ug/Kg	10/29/25 16:53	PB170215
105-60-2	Caprolactam	95.6	U	1	95.6	610	ug/Kg	10/29/25 16:53	PB170215
59-50-7	4-Chloro-3-methylphenol	52.7	U	1	52.7	310	ug/Kg	10/29/25 16:53	PB170215
91-57-6	2-Methylnaphthalene	47.0	U	1	47.0	310	ug/Kg	10/29/25 16:53	PB170215
77-47-4	Hexachlorocyclopentadiene	210	U	1	210	610	ug/Kg	10/29/25 16:53	PB170215
88-06-2	2,4,6-Trichlorophenol	36.3	U	1	36.3	310	ug/Kg	10/29/25 16:53	PB170215
95-95-4	2,4,5-Trichlorophenol	53.4	U	1	53.4	310	ug/Kg	10/29/25 16:53	PB170215
92-52-4	1,1-Biphenyl	40.0	U	1	40.0	310	ug/Kg	10/29/25 16:53	PB170215
91-58-7	2-Chloronaphthalene	41.3	U	1	41.3	310	ug/Kg	10/29/25 16:53	PB170215
88-74-4	2-Nitroaniline	88.2	U	1	88.2	310	ug/Kg	10/29/25 16:53	PB170215
131-11-3	Dimethylphthalate	49.7	U	1	49.7	310	ug/Kg	10/29/25 16:53	PB170215
208-96-8	Acenaphthylene	53.0	U	1	53.0	310	ug/Kg	10/29/25 16:53	PB170215
606-20-2	2,6-Dinitrotoluene	61.6	U	1	61.6	310	ug/Kg	10/29/25 16:53	PB170215
99-09-2	3-Nitroaniline	84.4	U	1	84.4	310	ug/Kg	10/29/25 16:53	PB170215
83-32-9	Acenaphthene	39.1	U	1	39.1	310	ug/Kg	10/29/25 16:53	PB170215
51-28-5	2,4-Dinitrophenol	420	U	1	420	610	ug/Kg	10/29/25 16:53	PB170215
100-02-7	4-Nitrophenol	200	U	1	200	610	ug/Kg	10/29/25 16:53	PB170215
132-64-9	Dibenzofuran	41.6	U	1	41.6	310	ug/Kg	10/29/25 16:53	PB170215
121-14-2	2,4-Dinitrotoluene	91.9	U	1	91.9	310	ug/Kg	10/29/25 16:53	PB170215
84-66-2	Diethylphthalate	51.9	U	1	51.9	310	ug/Kg	10/29/25 16:53	PB170215
7005-72-3	4-Chlorophenyl-phenylether	49.0	U	1	49.0	310	ug/Kg	10/29/25 16:53	PB170215
86-73-7	Fluorene	46.4	U	1	46.4	310	ug/Kg	10/29/25 16:53	PB170215
100-01-6	4-Nitroaniline	120	U	1	120	310	ug/Kg	10/29/25 16:53	PB170215
534-52-1	4,6-Dinitro-2-methylphenol	190	U	1	190	610	ug/Kg	10/29/25 16:53	PB170215

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Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/21/25
Client Sample ID:	PR-132-S16-015094-20251021		SDG No.:	Q3419
Lab Sample ID:	Q3419-01		Matrix:	SOIL
Analytical Method:	8270E	Level: LOW	% Solid:	54.4
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
86-30-6	n-Nitrosodiphenylamine	60.4	U	1	60.4	310	ug/Kg	10/29/25 16:53	PB170215
101-55-3	4-Bromophenyl-phenylether	51.0	U	1	51.0	310	ug/Kg	10/29/25 16:53	PB170215
118-74-1	Hexachlorobenzene	46.4	U	1	46.4	310	ug/Kg	10/29/25 16:53	PB170215
1912-24-9	Atrazine	62.4	U	1	62.4	310	ug/Kg	10/29/25 16:53	PB170215
87-86-5	Pentachlorophenol	94.1	U	1	94.1	610	ug/Kg	10/29/25 16:53	PB170215
85-01-8	Phenanthrene	38.3	U	1	38.3	310	ug/Kg	10/29/25 16:53	PB170215
120-12-7	Anthracene	61.1	U	1	61.1	310	ug/Kg	10/29/25 16:53	PB170215
86-74-8	Carbazole	57.2	U	1	57.2	310	ug/Kg	10/29/25 16:53	PB170215
84-74-2	Di-n-butylphthalate	87.9	U	1	87.9	310	ug/Kg	10/29/25 16:53	PB170215
206-44-0	Fluoranthene	55.0	U	1	55.0	310	ug/Kg	10/29/25 16:53	PB170215
129-00-0	Pyrene	66.0	U	1	66.0	310	ug/Kg	10/29/25 16:53	PB170215
85-68-7	Butylbenzylphthalate	130	U	1	130	310	ug/Kg	10/29/25 16:53	PB170215
91-94-1	3,3-Dichlorobenzidine	67.3	U	1	67.3	610	ug/Kg	10/29/25 16:53	PB170215
56-55-3	Benzo(a)anthracene	42.2	U	1	42.2	310	ug/Kg	10/29/25 16:53	PB170215
218-01-9	Chrysene	36.5	U	1	36.5	310	ug/Kg	10/29/25 16:53	PB170215
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	1	110	310	ug/Kg	10/29/25 16:53	PB170215
117-84-0	Di-n-octyl phthalate	160	U	1	160	610	ug/Kg	10/29/25 16:53	PB170215
205-99-2	Benzo(b)fluoranthene	34.9	U	1	34.9	310	ug/Kg	10/29/25 16:53	PB170215
207-08-9	Benzo(k)fluoranthene	41.1	U	1	41.1	310	ug/Kg	10/29/25 16:53	PB170215
50-32-8	Benzo(a)pyrene	54.1	U	1	54.1	310	ug/Kg	10/29/25 16:53	PB170215
193-39-5	Indeno(1,2,3-cd)pyrene	53.4	U	1	53.4	310	ug/Kg	10/29/25 16:53	PB170215
53-70-3	Dibenzo(a,h)anthracene	50.3	U	1	50.3	310	ug/Kg	10/29/25 16:53	PB170215
191-24-2	Benzo(g,h,i)perylene	47.1	U	1	47.1	310	ug/Kg	10/29/25 16:53	PB170215
95-94-3	1,2,4,5-Tetrachlorobenzene	47.0	U	1	47.0	310	ug/Kg	10/29/25 16:53	PB170215
123-91-1	1,4-Dioxane	82.9	U	1	82.9	310	ug/Kg	10/29/25 16:53	PB170215
58-90-2	2,3,4,6-Tetrachlorophenol	50.3	U	1	50.3	310	ug/Kg	10/29/25 16:53	PB170215

SURROGATES

367-12-4	2-Fluorophenol	91.2		18 - 112	61%	SPK: 150
13127-88-3	Phenol-d6	88.1		15 - 107	59%	SPK: 150
4165-60-0	Nitrobenzene-d5	74.0		18 - 107	74%	SPK: 100
321-60-8	2-Fluorobiphenyl	57.0		20 - 109	57%	SPK: 100
118-79-6	2,4,6-Tribromophenol	116		10 - 116	77%	SPK: 150
1718-51-0	Terphenyl-d14	55.0		10 - 105	55%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	33500
1146-65-2	Naphthalene-d8	126000
15067-26-2	Acenaphthene-d10	94500
1517-22-2	Phenanthrene-d10	233000
1719-03-5	Chrysene-d12	308000
1520-96-3	Perylene-d12	345000

TENTATIVE IDENTIFIED COMPOUNDS

000110-82-7	Cyclohexane	370	J	3.20	ug/Kg
000119-61-9	Benzophenone	350	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
000057-10-3	n-Hexadecanoic acid	670	J			18.5	ug/Kg		
1000131-11-8	Z-5-Nonadecene	210	J			21.5	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