

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-S16-119133-20251021
Lab Sample ID: Q3419-04
Analytical Method: 8270E Level: LOW
Sample Wt/Vol: 30.01 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: 51.7
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	300	U	1	300	640	ug/Kg	10/29/25 14:03	PB170215
108-95-2	Phenol	42.7	U	1	42.7	330	ug/Kg	10/29/25 14:03	PB170215
111-44-4	bis(2-Chloroethyl)ether	47.0	U	1	47.0	330	ug/Kg	10/29/25 14:03	PB170215
95-57-8	2-Chlorophenol	47.2	U	1	47.2	330	ug/Kg	10/29/25 14:03	PB170215
95-48-7	2-Methylphenol	57.8	U	1	57.8	330	ug/Kg	10/29/25 14:03	PB170215
108-60-1	2,2-oxybis(1-Chloropropane)	72.5	U	1	72.5	330	ug/Kg	10/29/25 14:03	PB170215
98-86-2	Acetophenone	57.0	U	1	57.0	330	ug/Kg	10/29/25 14:03	PB170215
65794-96-9	3+4-Methylphenols	79.5	U	1	79.5	640	ug/Kg	10/29/25 14:03	PB170215
621-64-7	n-Nitroso-di-n-propylamine	91.7	U	1	91.7	150	ug/Kg	10/29/25 14:03	PB170215
67-72-1	Hexachloroethane	34.0	U	1	34.0	330	ug/Kg	10/29/25 14:03	PB170215
98-95-3	Nitrobenzene	35.4	U	1	35.4	330	ug/Kg	10/29/25 14:03	PB170215
78-59-1	Isophorone	63.4	U	1	63.4	330	ug/Kg	10/29/25 14:03	PB170215
88-75-5	2-Nitrophenol	110	U	1	110	330	ug/Kg	10/29/25 14:03	PB170215
105-67-9	2,4-Dimethylphenol	130	U	1	130	330	ug/Kg	10/29/25 14:03	PB170215
111-91-1	bis(2-Chloroethoxy)methane	59.6	U	1	59.6	330	ug/Kg	10/29/25 14:03	PB170215
120-83-2	2,4-Dichlorophenol	54.7	U	1	54.7	330	ug/Kg	10/29/25 14:03	PB170215
91-20-3	Naphthalene	43.9	U	1	43.9	330	ug/Kg	10/29/25 14:03	PB170215
106-47-8	4-Chloroaniline	68.4	U	1	68.4	330	ug/Kg	10/29/25 14:03	PB170215
87-68-3	Hexachlorobutadiene	48.9	U	1	48.9	330	ug/Kg	10/29/25 14:03	PB170215
105-60-2	Caprolactam	100	U	1	100	640	ug/Kg	10/29/25 14:03	PB170215
59-50-7	4-Chloro-3-methylphenol	55.5	U	1	55.5	330	ug/Kg	10/29/25 14:03	PB170215
91-57-6	2-Methylnaphthalene	49.5	U	1	49.5	330	ug/Kg	10/29/25 14:03	PB170215
77-47-4	Hexachlorocyclopentadiene	220	U	1	220	640	ug/Kg	10/29/25 14:03	PB170215
88-06-2	2,4,6-Trichlorophenol	38.3	U	1	38.3	330	ug/Kg	10/29/25 14:03	PB170215
95-95-4	2,4,5-Trichlorophenol	56.3	U	1	56.3	330	ug/Kg	10/29/25 14:03	PB170215
92-52-4	1,1-Biphenyl	42.2	U	1	42.2	330	ug/Kg	10/29/25 14:03	PB170215
91-58-7	2-Chloronaphthalene	43.5	U	1	43.5	330	ug/Kg	10/29/25 14:03	PB170215
88-74-4	2-Nitroaniline	93.0	U	1	93.0	330	ug/Kg	10/29/25 14:03	PB170215
131-11-3	Dimethylphthalate	52.4	U	1	52.4	330	ug/Kg	10/29/25 14:03	PB170215
208-96-8	Acenaphthylene	55.9	U	1	55.9	330	ug/Kg	10/29/25 14:03	PB170215
606-20-2	2,6-Dinitrotoluene	65.0	U	1	65.0	330	ug/Kg	10/29/25 14:03	PB170215
99-09-2	3-Nitroaniline	88.9	U	1	88.9	330	ug/Kg	10/29/25 14:03	PB170215
83-32-9	Acenaphthene	41.2	U	1	41.2	330	ug/Kg	10/29/25 14:03	PB170215
51-28-5	2,4-Dinitrophenol	440	U	1	440	640	ug/Kg	10/29/25 14:03	PB170215
100-02-7	4-Nitrophenol	210	U	1	210	640	ug/Kg	10/29/25 14:03	PB170215
132-64-9	Dibenzofuran	43.9	U	1	43.9	330	ug/Kg	10/29/25 14:03	PB170215
121-14-2	2,4-Dinitrotoluene	96.9	U	1	96.9	330	ug/Kg	10/29/25 14:03	PB170215
84-66-2	Diethylphthalate	54.7	U	1	54.7	330	ug/Kg	10/29/25 14:03	PB170215
7005-72-3	4-Chlorophenyl-phenylether	51.6	U	1	51.6	330	ug/Kg	10/29/25 14:03	PB170215
86-73-7	Fluorene	48.9	U	1	48.9	330	ug/Kg	10/29/25 14:03	PB170215
100-01-6	4-Nitroaniline	120	U	1	120	330	ug/Kg	10/29/25 14:03	PB170215
534-52-1	4,6-Dinitro-2-methylphenol	200	U	1	200	640	ug/Kg	10/29/25 14:03	PB170215

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Client Sample ID:	PR132-S16-119133-20251021		SDG No.:	Q3419
Lab Sample ID:	Q3419-04		Matrix:	SOIL
Analytical Method:	8270E	Level: LOW	% Solid:	51.7
Sample Wt/Vol:	30.01 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	63.6	U	1	63.6	330	ug/Kg	10/29/25 14:03	PB170215
101-55-3	4-Bromophenyl-phenylether	53.8	U	1	53.8	330	ug/Kg	10/29/25 14:03	PB170215
118-74-1	Hexachlorobenzene	48.9	U	1	48.9	330	ug/Kg	10/29/25 14:03	PB170215
1912-24-9	Atrazine	65.7	U	1	65.7	330	ug/Kg	10/29/25 14:03	PB170215
87-86-5	Pentachlorophenol	99.2	U	1	99.2	640	ug/Kg	10/29/25 14:03	PB170215
85-01-8	Phenanthrene	420		1	40.4	330	ug/Kg	10/29/25 14:03	PB170215
120-12-7	Anthracene	180	J	1	64.4	330	ug/Kg	10/29/25 14:03	PB170215
86-74-8	Carbazole	60.3	U	1	60.3	330	ug/Kg	10/29/25 14:03	PB170215
84-74-2	Di-n-butylphthalate	92.6	U	1	92.6	330	ug/Kg	10/29/25 14:03	PB170215
206-44-0	Fluoranthene	520		1	58.0	330	ug/Kg	10/29/25 14:03	PB170215
129-00-0	Pyrene	550		1	69.6	330	ug/Kg	10/29/25 14:03	PB170215
85-68-7	Butylbenzylphthalate	140	U	1	140	330	ug/Kg	10/29/25 14:03	PB170215
91-94-1	3,3-Dichlorobenzidine	71.0	U	1	71.0	640	ug/Kg	10/29/25 14:03	PB170215
56-55-3	Benzo(a)anthracene	390		1	44.5	330	ug/Kg	10/29/25 14:03	PB170215
218-01-9	Chrysene	370		1	38.5	330	ug/Kg	10/29/25 14:03	PB170215
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	1	110	330	ug/Kg	10/29/25 14:03	PB170215
117-84-0	Di-n-octyl phthalate	170	U	1	170	640	ug/Kg	10/29/25 14:03	PB170215
205-99-2	Benzo(b)fluoranthene	410		1	36.7	330	ug/Kg	10/29/25 14:03	PB170215
207-08-9	Benzo(k)fluoranthene	43.3	U	1	43.3	330	ug/Kg	10/29/25 14:03	PB170215
50-32-8	Benzo(a)pyrene	380		1	57.0	330	ug/Kg	10/29/25 14:03	PB170215
193-39-5	Indeno(1,2,3-cd)pyrene	56.3	U	1	56.3	330	ug/Kg	10/29/25 14:03	PB170215
53-70-3	Dibenzo(a,h)anthracene	53.0	U	1	53.0	330	ug/Kg	10/29/25 14:03	PB170215
191-24-2	Benzo(g,h,i)perylene	130	J	1	49.7	330	ug/Kg	10/29/25 14:03	PB170215
95-94-3	1,2,4,5-Tetrachlorobenzene	49.5	U	1	49.5	330	ug/Kg	10/29/25 14:03	PB170215
123-91-1	1,4-Dioxane	87.4	U	1	87.4	330	ug/Kg	10/29/25 14:03	PB170215
58-90-2	2,3,4,6-Tetrachlorophenol	53.0	U	1	53.0	330	ug/Kg	10/29/25 14:03	PB170215

SURROGATES

367-12-4	2-Fluorophenol	62.2		18 - 112	41%	SPK: 150
13127-88-3	Phenol-d6	67.7		15 - 107	45%	SPK: 150
4165-60-0	Nitrobenzene-d5	42.2		18 - 107	42%	SPK: 100
321-60-8	2-Fluorobiphenyl	36.2		20 - 109	36%	SPK: 100
118-79-6	2,4,6-Tribromophenol	60.2		10 - 116	40%	SPK: 150
1718-51-0	Terphenyl-d14	31.8		10 - 105	32%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	62300
1146-65-2	Naphthalene-d8	236000
15067-26-2	Acenaphthene-d10	128000
1517-22-2	Phenanthrene-d10	203000
1719-03-5	Chrysene-d12	157000
1520-96-3	Perylene-d12	201000

TENTATIVE IDENTIFIED COMPOUNDS

054676-39-0	Cyclohexane, 2-butyl-1,1,3-trimeth	220	J	8.36	ug/Kg
003891-98-3	Dodecane, 2,6,10-trimethyl-	550	J	9.18	ug/Kg

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Sample Wt/Vol:	30.01 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
003891-99-4	2,6,10-Trimethyltridecane	760	J			9.63	ug/Kg		
013187-99-0	2-Bromo dodecane	560	J			11.3	ug/Kg		
000483-65-8	Retene	510	J			13.1	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