284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	AECOM	Date Collected:	10/20/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/20/25
Client Sample ID:	41-LBMSD	SDG No.:	Q3393
Lab Sample ID:	Q3402-07MSD	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	65.9
Sample Wt/Vol:	50.08 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	850		1	140	300	ug/Kg	10/21/25 19:58	PB170180
108-95-2	Phenol	1500		1	20.1	150	ug/Kg	10/21/25 19:58	PB170180
111-44-4	bis(2-Chloroethyl)ether	1500		1	22.1	150	ug/Kg	10/21/25 19:58	PB170180
95-57-8	2-Chlorophenol	1500		1	22.2	150	ug/Kg	10/21/25 19:58	PB170180
95-48-7	2-Methylphenol	1400		1	27.2	150	ug/Kg	10/21/25 19:58	PB170180
108-60-1	2,2-oxybis(1-Chloropropane)	1400		1	34.1	150	ug/Kg	10/21/25 19:58	PB170180
98-86-2	Acetophenone	1600		1	26.8	150	ug/Kg	10/21/25 19:58	PB170180
65794-96-9	3+4-Methylphenols	1400		1	37.4	300	ug/Kg	10/21/25 19:58	PB170180
621-64-7	n-Nitroso-di-n-propylamine	1400		1	43.1	72.7	ug/Kg	10/21/25 19:58	PB170180
67-72-1	Hexachloroethane	1500		1	16.0	150	ug/Kg	10/21/25 19:58	PB170180
98-95-3	Nitrobenzene	1600		1	16.6	150	ug/Kg	10/21/25 19:58	PB170180
78-59-1	Isophorone	1400		1	29.8	150	ug/Kg	10/21/25 19:58	PB170180
88-75-5	2-Nitrophenol	1700		1	52.9	150	ug/Kg	10/21/25 19:58	PB170180
105-67-9	2,4-Dimethylphenol	1600		1	58.9	150	ug/Kg	10/21/25 19:58	PB170180
111-91-1	bis(2-Chloroethoxy)methane	1500		1	28.0	150	ug/Kg	10/21/25 19:58	PB170180
120-83-2	2,4-Dichlorophenol	1400		1	25.7	150	ug/Kg	10/21/25 19:58	PB170180
91-20-3	Naphthalene	1400		1	20.6	150	ug/Kg	10/21/25 19:58	PB170180
106-47-8	4-Chloroaniline	580		1	32.2	150	ug/Kg	10/21/25 19:58	PB170180
87-68-3	Hexachlorobutadiene	1400		1	23.0	150	ug/Kg	10/21/25 19:58	PB170180
105-60-2	Caprolactam	1500		1	47.4	300	ug/Kg	10/21/25 19:58	PB170180
59-50-7	4-Chloro-3-methylphenol	1400		1	26.1	150	ug/Kg	10/21/25 19:58	PB170180
91-57-6	2-Methylnaphthalene	1300		1	23.3	150	ug/Kg	10/21/25 19:58	PB170180
77-47-4	Hexachlorocyclopentadiene	3100	E	1	110	300	ug/Kg	10/21/25 19:58	PB170180
88-06-2	2,4,6-Trichlorophenol	1500		1	18.0	150	ug/Kg	10/21/25 19:58	PB170180
95-95-4	2,4,5-Trichlorophenol	1500		1	26.5	150	ug/Kg	10/21/25 19:58	PB170180
92-52-4	1,1-Biphenyl	1600		1	19.8	150	ug/Kg	10/21/25 19:58	PB170180
91-58-7	2-Chloronaphthalene	1500		1	20.5	150	ug/Kg	10/21/25 19:58	PB170180
88-74-4	2-Nitroaniline	1600		1	43.7	150	ug/Kg	10/21/25 19:58	PB170180
131-11-3	Dimethylphthalate	1500		1	24.6	150	ug/Kg	10/21/25 19:58	PB170180
208-96-8	Acenaphthylene	1700		1	26.3	150	ug/Kg	10/21/25 19:58	PB170180
606-20-2	2,6-Dinitrotoluene	1700		1	30.5	150	ug/Kg	10/21/25 19:58	PB170180
99-09-2	3-Nitroaniline	1100		1	41.8	150	ug/Kg	10/21/25 19:58	PB170180
83-32-9	Acenaphthene	1500		1	19.4	150	ug/Kg	10/21/25 19:58	PB170180
51-28-5	2,4-Dinitrophenol	2400		1	210	300	ug/Kg	10/21/25 19:58	PB170180
100-02-7	4-Nitrophenol	2500	E	1	97.3	300	ug/Kg	10/21/25 19:58	PB170180
132-64-9	Dibenzofuran	1400		1	20.6	150	ug/Kg	10/21/25 19:58	PB170180
121-14-2	2,4-Dinitrotoluene	1600		1	45.5	150	ug/Kg	10/21/25 19:58	PB170180
84-66-2	Diethylphthalate	1400		1	25.7	150	ug/Kg	10/21/25 19:58	PB170180
7005-72-3	4-Chlorophenyl-phenylether	1400		1	24.3	150	ug/Kg	10/21/25 19:58	PB170180
86-73-7	Fluorene	1400		1	23.0	150	ug/Kg	10/21/25 19:58	PB170180
100-01-6	4-Nitroaniline	1400		1	58.4	150	ug/Kg	10/21/25 19:58	PB170180
534-52-1	4,6-Dinitro-2-methylphenol	1800		1	93.6	300	ug/Kg	10/21/25 19:58	PB170180

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Client Sample ID:	41-LBMSD	SDG No.:	Q3393
Lab Sample ID:	Q3402-07MSD	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	65.9
Sample Wt/Vol:	50.08 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	1700		1	29.9	150	ug/Kg	10/21/25 19:58	PB170180
101-55-3	4-Bromophenyl-phenylether	1500		1	25.3	150	ug/Kg	10/21/25 19:58	PB170180
118-74-1	Hexachlorobenzene	1400		1	23.0	150	ug/Kg	10/21/25 19:58	PB170180
1912-24-9	Atrazine	1600		1	30.9	150	ug/Kg	10/21/25 19:58	PB170180
87-86-5	Pentachlorophenol	2600	E	1	46.6	300	ug/Kg	10/21/25 19:58	PB170180
85-01-8	Phenanthrene	1500		1	19.0	150	ug/Kg	10/21/25 19:58	PB170180
120-12-7	Anthracene	1500		1	30.3	150	ug/Kg	10/21/25 19:58	PB170180
86-74-8	Carbazole	1500		1	28.4	150	ug/Kg	10/21/25 19:58	PB170180
84-74-2	Di-n-butylphthalate	1600		1	43.5	150	ug/Kg	10/21/25 19:58	PB170180
206-44-0	Fluoranthene	1500		1	27.3	150	ug/Kg	10/21/25 19:58	PB170180
129-00-0	Pyrene	1200		1	32.7	150	ug/Kg	10/21/25 19:58	PB170180
85-68-7	Butylbenzylphthalate	1500		1	64.9	150	ug/Kg	10/21/25 19:58	PB170180
91-94-1	3,3-Dichlorobenzidine	1400		1	33.4	300	ug/Kg	10/21/25 19:58	PB170180
56-55-3	Benzo(a)anthracene	1600		1	20.9	150	ug/Kg	10/21/25 19:58	PB170180
218-01-9	Chrysene	1600		1	18.1	150	ug/Kg	10/21/25 19:58	PB170180
117-81-7	Bis(2-ethylhexyl)phthalate	1700		1	53.8	150	ug/Kg	10/21/25 19:58	PB170180
117-84-0	Di-n-octyl phthalate	2000		1	78.9	300	ug/Kg	10/21/25 19:58	PB170180
205-99-2	Benzo(b)fluoranthene	1500		1	17.3	150	ug/Kg	10/21/25 19:58	PB170180
207-08-9	Benzo(k)fluoranthene	1400		1	20.4	150	ug/Kg	10/21/25 19:58	PB170180
50-32-8	Benzo(a)pyrene	1600		1	26.8	150	ug/Kg	10/21/25 19:58	PB170180
193-39-5	Indeno(1,2,3-cd)pyrene	1500		1	26.5	150	ug/Kg	10/21/25 19:58	PB170180
53-70-3	Dibenzo(a,h)anthracene	1500		1	24.9	150	ug/Kg	10/21/25 19:58	PB170180
191-24-2	Benzo(g,h,i)perylene	1400		1	23.4	150	ug/Kg	10/21/25 19:58	PB170180
95-94-3	1,2,4,5-Tetrachlorobenzene	1700		1	23.3	150	ug/Kg	10/21/25 19:58	PB170180
123-91-1	1,4-Dioxane	1300		1	41.1	150	ug/Kg	10/21/25 19:58	PB170180
58-90-2	2,3,4,6-Tetrachlorophenol	1400		1	24.9	150	ug/Kg	10/21/25 19:58	PB170180
SURROGATES									
367-12-4	2-Fluorophenol	92.9			18 - 112	62%	SPK: 150		
13127-88-3	Phenol-d6	91.9			15 - 107	61%	SPK: 150		
4165-60-0	Nitrobenzene-d5	62.7			18 - 107	63%	SPK: 100		
321-60-8	2-Fluorobiphenyl	43.7			20 - 109	44%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	75.1			10 - 116	50%	SPK: 150		
1718-51-0	Terphenyl-d14	34.4			10 - 105	34%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	106000							
1146-65-2	Naphthalene-d8	388000							
15067-26-2	Acenaphthene-d10	194000							
1517-22-2	Phenanthrene-d10	287000							
1719-03-5	Chrysene-d12	224000							
1520-96-3	Perylene-d12	293000							

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Prep Method :	SW3541 Prep Date: 10/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

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