

Report of Analysis

Client: Woodard & Curran
Project: US EPA Riverside Industrial Park Superfund Site
Client Sample ID: PL-01-12102025MSD
Lab Sample ID: Q3831-01MSD
Analytical Method: 8270E Level: LOW
Sample Wt/Vol: 50.07 g Final Vol: 1000 uL
Prep Method : SW3541 Prep Date: 12/11/25

Date Collected: 12/10/25
Date Received: 12/10/25
SDG No.: Q3834
Matrix: SOIL
% Solid: 91.4
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	890		1	100	220	ug/Kg	12/11/25 23:26	PB170902
108-95-2	Phenol	870		1	14.5	110	ug/Kg	12/11/25 23:26	PB170902
111-44-4	bis(2-Chloroethyl)ether	820		1	15.9	110	ug/Kg	12/11/25 23:26	PB170902
95-57-8	2-Chlorophenol	900		1	16.0	110	ug/Kg	12/11/25 23:26	PB170902
95-48-7	2-Methylphenol	880		1	19.6	110	ug/Kg	12/11/25 23:26	PB170902
108-60-1	2,2-oxybis(1-Chloropropane)	790		1	24.6	110	ug/Kg	12/11/25 23:26	PB170902
98-86-2	Acetophenone	880		1	19.3	110	ug/Kg	12/11/25 23:26	PB170902
65794-96-9	3+4-Methylphenols	860		1	26.9	220	ug/Kg	12/11/25 23:26	PB170902
621-64-7	n-Nitroso-di-n-propylamine	810		1	31.1	52.4	ug/Kg	12/11/25 23:26	PB170902
67-72-1	Hexachloroethane	840		1	11.5	110	ug/Kg	12/11/25 23:26	PB170902
98-95-3	Nitrobenzene	880		1	12.0	110	ug/Kg	12/11/25 23:26	PB170902
78-59-1	Isophorone	860		1	21.5	110	ug/Kg	12/11/25 23:26	PB170902
88-75-5	2-Nitrophenol	970		1	38.2	110	ug/Kg	12/11/25 23:26	PB170902
105-67-9	2,4-Dimethylphenol	930		1	42.5	110	ug/Kg	12/11/25 23:26	PB170902
111-91-1	bis(2-Chloroethoxy)methane	860		1	20.2	110	ug/Kg	12/11/25 23:26	PB170902
120-83-2	2,4-Dichlorophenol	970		1	18.6	110	ug/Kg	12/11/25 23:26	PB170902
91-20-3	Naphthalene	940		1	14.9	110	ug/Kg	12/11/25 23:26	PB170902
106-47-8	4-Chloroaniline	280		1	23.2	110	ug/Kg	12/11/25 23:26	PB170902
87-68-3	Hexachlorobutadiene	1000		1	16.6	110	ug/Kg	12/11/25 23:26	PB170902
105-60-2	Caprolactam	810		1	34.2	220	ug/Kg	12/11/25 23:26	PB170902
59-50-7	4-Chloro-3-methylphenol	920		1	18.8	110	ug/Kg	12/11/25 23:26	PB170902
91-57-6	2-Methylnaphthalene	880		1	16.8	110	ug/Kg	12/11/25 23:26	PB170902
77-47-4	Hexachlorocyclopentadiene	720		1	76.0	220	ug/Kg	12/11/25 23:26	PB170902
88-06-2	2,4,6-Trichlorophenol	990		1	13.0	110	ug/Kg	12/11/25 23:26	PB170902
95-95-4	2,4,5-Trichlorophenol	980		1	19.1	110	ug/Kg	12/11/25 23:26	PB170902
92-52-4	1,1-Biphenyl	920		1	14.3	110	ug/Kg	12/11/25 23:26	PB170902
91-58-7	2-Chloronaphthalene	920		1	14.7	110	ug/Kg	12/11/25 23:26	PB170902
88-74-4	2-Nitroaniline	960		1	31.5	110	ug/Kg	12/11/25 23:26	PB170902
131-11-3	Dimethylphthalate	890		1	17.8	110	ug/Kg	12/11/25 23:26	PB170902
208-96-8	Acenaphthylene	1000		1	18.9	110	ug/Kg	12/11/25 23:26	PB170902
606-20-2	2,6-Dinitrotoluene	1000		1	22.0	110	ug/Kg	12/11/25 23:26	PB170902
99-09-2	3-Nitroaniline	570		1	30.2	110	ug/Kg	12/11/25 23:26	PB170902
83-32-9	Acenaphthene	940		1	14.0	110	ug/Kg	12/11/25 23:26	PB170902
51-28-5	2,4-Dinitrophenol	1300		1	150	220	ug/Kg	12/11/25 23:26	PB170902
100-02-7	4-Nitrophenol	1700		1	70.1	220	ug/Kg	12/11/25 23:26	PB170902
132-64-9	Dibenzofuran	970		1	14.9	110	ug/Kg	12/11/25 23:26	PB170902
121-14-2	2,4-Dinitrotoluene	940		1	32.8	110	ug/Kg	12/11/25 23:26	PB170902
84-66-2	Diethylphthalate	910		1	18.6	110	ug/Kg	12/11/25 23:26	PB170902
7005-72-3	4-Chlorophenyl-phenylether	920		1	17.5	110	ug/Kg	12/11/25 23:26	PB170902
86-73-7	Fluorene	1000		1	16.6	110	ug/Kg	12/11/25 23:26	PB170902
100-01-6	4-Nitroaniline	750		1	42.1	110	ug/Kg	12/11/25 23:26	PB170902
534-52-1	4,6-Dinitro-2-methylphenol	690		1	67.5	220	ug/Kg	12/11/25 23:26	PB170902

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Lab Sample ID:	Q3831-01MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	91.4
Sample Wt/Vol:	50.07 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Level:	LOW
		Final Vol:	1000 uL
		Prep Date:	12/11/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	960		1	21.6	110	ug/Kg	12/11/25 23:26	PB170902
101-55-3	4-Bromophenyl-phenylether	1000		1	18.2	110	ug/Kg	12/11/25 23:26	PB170902
118-74-1	Hexachlorobenzene	1000		1	16.6	110	ug/Kg	12/11/25 23:26	PB170902
1912-24-9	Atrazine	950		1	22.3	110	ug/Kg	12/11/25 23:26	PB170902
87-86-5	Pentachlorophenol	2000	E	1	33.6	220	ug/Kg	12/11/25 23:26	PB170902
85-01-8	Phenanthrene	1500		1	13.7	110	ug/Kg	12/11/25 23:26	PB170902
120-12-7	Anthracene	1100		1	21.8	110	ug/Kg	12/11/25 23:26	PB170902
86-74-8	Carbazole	940		1	20.5	110	ug/Kg	12/11/25 23:26	PB170902
84-74-2	Di-n-butylphthalate	960		1	31.4	110	ug/Kg	12/11/25 23:26	PB170902
206-44-0	Fluoranthene	1600		1	19.7	110	ug/Kg	12/11/25 23:26	PB170902
129-00-0	Pyrene	1700		1	23.6	110	ug/Kg	12/11/25 23:26	PB170902
85-68-7	Butylbenzylphthalate	960		1	46.8	110	ug/Kg	12/11/25 23:26	PB170902
91-94-1	3,3-Dichlorobenzidine	590		1	24.1	220	ug/Kg	12/11/25 23:26	PB170902
56-55-3	Benzo(a)anthracene	1300		1	15.1	110	ug/Kg	12/11/25 23:26	PB170902
218-01-9	Chrysene	1300		1	13.0	110	ug/Kg	12/11/25 23:26	PB170902
117-81-7	Bis(2-ethylhexyl)phthalate	940		1	38.8	110	ug/Kg	12/11/25 23:26	PB170902
117-84-0	Di-n-octyl phthalate	930		1	56.9	220	ug/Kg	12/11/25 23:26	PB170902
205-99-2	Benzo(b)fluoranthene	1400		1	12.5	110	ug/Kg	12/11/25 23:26	PB170902
207-08-9	Benzo(k)fluoranthene	1100		1	14.7	110	ug/Kg	12/11/25 23:26	PB170902
50-32-8	Benzo(a)pyrene	1300		1	19.3	110	ug/Kg	12/11/25 23:26	PB170902
193-39-5	Indeno(1,2,3-cd)pyrene	1100		1	19.1	110	ug/Kg	12/11/25 23:26	PB170902
53-70-3	Dibenzo(a,h)anthracene	970		1	18.0	110	ug/Kg	12/11/25 23:26	PB170902
191-24-2	Benzo(g,h,i)perylene	1200		1	16.8	110	ug/Kg	12/11/25 23:26	PB170902
95-94-3	1,2,4,5-Tetrachlorobenzene	1000		1	16.8	110	ug/Kg	12/11/25 23:26	PB170902
123-91-1	1,4-Dioxane	710		1	29.6	110	ug/Kg	12/11/25 23:26	PB170902
58-90-2	2,3,4,6-Tetrachlorophenol	1000		1	18.0	110	ug/Kg	12/11/25 23:26	PB170902

SURROGATES

367-12-4	2-Fluorophenol	64.0			30 (10) - 130 (105)	43%	SPK: 150
13127-88-3	Phenol-d6	62.2			30 (10) - 130 (103)	41%	SPK: 150
4165-60-0	Nitrobenzene-d5	43.2			30 (10) - 130 (108)	43%	SPK: 100
321-60-8	2-Fluorobiphenyl	43.3			30 (10) - 130 (108)	43%	SPK: 100
118-79-6	2,4,6-Tribromophenol	71.8			30 (10) - 130 (116)	48%	SPK: 150
1718-51-0	Terphenyl-d14	45.7			30 (10) - 130 (109)	46%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	308000
1146-65-2	Naphthalene-d8	1180000
15067-26-2	Acenaphthene-d10	727000
1517-22-2	Phenanthrene-d10	1400000
1719-03-5	Chrysene-d12	1430000
1520-96-3	Perylene-d12	1680000

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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