

Report of Analysis

Client: ICE Service Group, Inc.
Project: NWIRP Northrup Grumman Site – Bethpage, NY
Client Sample ID: PB170206BL
Lab Sample ID: PB170206BL
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 30.01 g Final Vol: 1000 uL
Prep Method : SW3510C Prep Date: 10/22/25

Date Collected:
Date Received:
SDG No.: Q3399
Matrix: SOIL
% Solid: 100
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS										
100-52-7	Benzaldehyde	270	U	1	160	270	330	ug/Kg	10/27/25 10:57	PB170206
108-95-2	Phenol	130	U	1	22.1	130	170	ug/Kg	10/27/25 10:57	PB170206
111-44-4	bis(2-Chloroethyl)ether	130	U	1	24.3	130	170	ug/Kg	10/27/25 10:57	PB170206
95-57-8	2-Chlorophenol	130	U	1	24.4	130	170	ug/Kg	10/27/25 10:57	PB170206
95-48-7	2-Methylphenol	130	U	1	29.9	130	170	ug/Kg	10/27/25 10:57	PB170206
108-60-1	2,2-oxybis(1-Chloropropane)	130	U	1	37.5	130	170	ug/Kg	10/27/25 10:57	PB170206
98-86-2	Acetophenone	130	U	1	29.5	130	170	ug/Kg	10/27/25 10:57	PB170206
65794-96-9	3+4-Methylphenols	270	U	1	41.1	270	330	ug/Kg	10/27/25 10:57	PB170206
621-64-7	n-Nitroso-di-n-propylamine	80.0	U	1	47.4	80.0	80.0	ug/Kg	10/27/25 10:57	PB170206
67-72-1	Hexachloroethane	130	U	1	17.6	130	170	ug/Kg	10/27/25 10:57	PB170206
98-95-3	Nitrobenzene	130	U	1	18.3	130	170	ug/Kg	10/27/25 10:57	PB170206
78-59-1	Isophorone	130	U	1	32.8	130	170	ug/Kg	10/27/25 10:57	PB170206
88-75-5	2-Nitrophenol	130	U	1	58.2	130	170	ug/Kg	10/27/25 10:57	PB170206
105-67-9	2,4-Dimethylphenol	130	U	1	64.8	130	170	ug/Kg	10/27/25 10:57	PB170206
111-91-1	bis(2-Chloroethoxy)methane	130	U	1	30.8	130	170	ug/Kg	10/27/25 10:57	PB170206
120-83-2	2,4-Dichlorophenol	130	U	1	28.3	130	170	ug/Kg	10/27/25 10:57	PB170206
91-20-3	Naphthalene	130	U	1	22.7	130	170	ug/Kg	10/27/25 10:57	PB170206
106-47-8	4-Chloroaniline	130	U	1	35.4	130	170	ug/Kg	10/27/25 10:57	PB170206
87-68-3	Hexachlorobutadiene	130	U	1	25.3	130	170	ug/Kg	10/27/25 10:57	PB170206
105-60-2	Caprolactam	270	U	1	52.1	270	330	ug/Kg	10/27/25 10:57	PB170206
59-50-7	4-Chloro-3-methylphenol	130	U	1	28.7	130	170	ug/Kg	10/27/25 10:57	PB170206
91-57-6	2-Methylnaphthalene	130	U	1	25.6	130	170	ug/Kg	10/27/25 10:57	PB170206
77-47-4	Hexachlorocyclopentadiene	270	U	1	120	270	330	ug/Kg	10/27/25 10:57	PB170206
88-06-2	2,4,6-Trichlorophenol	130	U	1	19.8	130	170	ug/Kg	10/27/25 10:57	PB170206
95-95-4	2,4,5-Trichlorophenol	130	U	1	29.1	130	170	ug/Kg	10/27/25 10:57	PB170206
92-52-4	1,1-Biphenyl	130	U	1	21.8	130	170	ug/Kg	10/27/25 10:57	PB170206
91-58-7	2-Chloronaphthalene	130	U	1	22.5	130	170	ug/Kg	10/27/25 10:57	PB170206
88-74-4	2-Nitroaniline	130	U	1	48.1	130	170	ug/Kg	10/27/25 10:57	PB170206
131-11-3	Dimethylphthalate	130	U	1	27.1	130	170	ug/Kg	10/27/25 10:57	PB170206
208-96-8	Acenaphthylene	130	U	1	28.9	130	170	ug/Kg	10/27/25 10:57	PB170206
606-20-2	2,6-Dinitrotoluene	130	U	1	33.6	130	170	ug/Kg	10/27/25 10:57	PB170206
99-09-2	3-Nitroaniline	130	U	1	46.0	130	170	ug/Kg	10/27/25 10:57	PB170206
83-32-9	Acenaphthene	130	U	1	21.3	130	170	ug/Kg	10/27/25 10:57	PB170206
51-28-5	2,4-Dinitrophenol	270	U	1	230	270	330	ug/Kg	10/27/25 10:57	PB170206
100-02-7	4-Nitrophenol	270	U	1	110	270	330	ug/Kg	10/27/25 10:57	PB170206
132-64-9	Dibenzofuran	130	U	1	22.7	130	170	ug/Kg	10/27/25 10:57	PB170206
121-14-2	2,4-Dinitrotoluene	130	U	1	50.1	130	170	ug/Kg	10/27/25 10:57	PB170206
84-66-2	Diethylphthalate	130	U	1	28.3	130	170	ug/Kg	10/27/25 10:57	PB170206
7005-72-3	4-Chlorophenyl-phenylether	130	U	1	26.7	130	170	ug/Kg	10/27/25 10:57	PB170206
86-73-7	Fluorene	130	U	1	25.3	130	170	ug/Kg	10/27/25 10:57	PB170206
100-01-6	4-Nitroaniline	130	U	1	64.2	130	170	ug/Kg	10/27/25 10:57	PB170206
534-52-1	4,6-Dinitro-2-methylphenol	270	U	1	100	270	330	ug/Kg	10/27/25 10:57	PB170206

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% Solid: 100
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	130	U	1	32.9	130	170	ug/Kg	10/27/25 10:57	PB170206
101-55-3	4-Bromophenyl-phenylether	130	U	1	27.8	130	170	ug/Kg	10/27/25 10:57	PB170206
118-74-1	Hexachlorobenzene	130	U	1	25.3	130	170	ug/Kg	10/27/25 10:57	PB170206
1912-24-9	Atrazine	130	U	1	34.0	130	170	ug/Kg	10/27/25 10:57	PB170206
87-86-5	Pentachlorophenol	270	U	1	51.3	270	330	ug/Kg	10/27/25 10:57	PB170206
85-01-8	Phenanthrene	130	U	1	20.9	130	170	ug/Kg	10/27/25 10:57	PB170206
120-12-7	Anthracene	130	U	1	33.3	130	170	ug/Kg	10/27/25 10:57	PB170206
86-74-8	Carbazole	130	U	1	31.2	130	170	ug/Kg	10/27/25 10:57	PB170206
84-74-2	Di-n-butylphthalate	130	U	1	47.9	130	170	ug/Kg	10/27/25 10:57	PB170206
206-44-0	Fluoranthene	130	U	1	30.0	130	170	ug/Kg	10/27/25 10:57	PB170206
129-00-0	Pyrene	130	U	1	36.0	130	170	ug/Kg	10/27/25 10:57	PB170206
85-68-7	Butylbenzylphthalate	130	U	1	71.4	130	170	ug/Kg	10/27/25 10:57	PB170206
91-94-1	3,3-Dichlorobenzidine	270	U	1	36.7	270	330	ug/Kg	10/27/25 10:57	PB170206
56-55-3	Benzo(a)anthracene	130	U	1	23.0	130	170	ug/Kg	10/27/25 10:57	PB170206
218-01-9	Chrysene	130	U	1	19.9	130	170	ug/Kg	10/27/25 10:57	PB170206
117-81-7	Bis(2-ethylhexyl)phthalate	130	U	1	59.2	130	170	ug/Kg	10/27/25 10:57	PB170206
117-84-0	Di-n-octyl phthalate	270	U	1	86.8	270	330	ug/Kg	10/27/25 10:57	PB170206
205-99-2	Benzo(b)fluoranthene	130	U	1	19.0	130	170	ug/Kg	10/27/25 10:57	PB170206
207-08-9	Benzo(k)fluoranthene	130	U	1	22.4	130	170	ug/Kg	10/27/25 10:57	PB170206
50-32-8	Benzo(a)pyrene	130	U	1	29.5	130	170	ug/Kg	10/27/25 10:57	PB170206
193-39-5	Indeno(1,2,3-cd)pyrene	130	U	1	29.1	130	170	ug/Kg	10/27/25 10:57	PB170206
53-70-3	Dibenzo(a,h)anthracene	130	U	1	27.4	130	170	ug/Kg	10/27/25 10:57	PB170206
191-24-2	Benzo(g,h,i)perylene	130	U	1	25.7	130	170	ug/Kg	10/27/25 10:57	PB170206
95-94-3	1,2,4,5-Tetrachlorobenzene	130	U	1	25.6	130	170	ug/Kg	10/27/25 10:57	PB170206
123-91-1	1,4-Dioxane	130	U	1	45.2	130	170	ug/Kg	10/27/25 10:57	PB170206
58-90-2	2,3,4,6-Tetrachlorophenol	130	U	1	27.4	130	170	ug/Kg	10/27/25 10:57	PB170206

SURROGATES

367-12-4	2-Fluorophenol	125		35 - 115	84%	SPK: 150
13127-88-3	Phenol-d6	129		34 - 127	86%	SPK: 150
4165-60-0	Nitrobenzene-d5	86.7		37 - 122	87%	SPK: 100
321-60-8	2-Fluorobiphenyl	84.7		44 - 115	85%	SPK: 100
118-79-6	2,4,6-Tribromophenol	152		39 - 132	102%	SPK: 150
1718-51-0	Terphenyl-d14	105		54 - 127	105%	SPK: 100

INTERNAL STANDARDS

	Area Count
3855-82-1 1,4-Dichlorobenzene-d4	68900
1146-65-2 Naphthalene-d8	265000
15067-26-2 Acenaphthene-d10	152000
1517-22-2 Phenanthrene-d10	284000
1719-03-5 Chrysene-d12	170000
1520-96-3 Perylene-d12	194000

TENTATIVE IDENTIFIED COMPOUNDS

006311-48-4	(1,1-Biphenyl)-4,4-diamine, N,N	240	J		17.2	ug/Kg
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Lab Sample ID:	PB170206BL		Matrix:	SOIL
Analytical Method:	8270E	Level : LOW	% Solid:	100
Sample Wt/Vol:	30.01 g	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C	Prep Date: 10/22/25		

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