

Report of Analysis

Client: ICE Service Group, Inc.
Project: NWIRP Northrup Grumman Site – Bethpage, NY
Client Sample ID: PB170206BS
Lab Sample ID: PB170206BS
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 30.03 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	830		1	160	270	330	ug/Kg	10/27/25 11:27	PB170206
108-95-2	Phenol	1300		1	22.1	130	170	ug/Kg	10/27/25 11:27	PB170206
111-44-4	bis(2-Chloroethyl)ether	1400		1	24.3	130	170	ug/Kg	10/27/25 11:27	PB170206
95-57-8	2-Chlorophenol	1300		1	24.4	130	170	ug/Kg	10/27/25 11:27	PB170206
95-48-7	2-Methylphenol	1400		1	29.9	130	170	ug/Kg	10/27/25 11:27	PB170206
108-60-1	2,2-oxybis(1-Chloropropane)	1400		1	37.5	130	170	ug/Kg	10/27/25 11:27	PB170206
98-86-2	Acetophenone	1600		1	29.5	130	170	ug/Kg	10/27/25 11:27	PB170206
65794-96-9	3+4-Methylphenols	1400		1	41.1	270	330	ug/Kg	10/27/25 11:27	PB170206
621-64-7	n-Nitroso-di-n-propylamine	1500		1	47.4	79.9	79.9	ug/Kg	10/27/25 11:27	PB170206
67-72-1	Hexachloroethane	1300		1	17.6	130	170	ug/Kg	10/27/25 11:27	PB170206
98-95-3	Nitrobenzene	1400		1	18.3	130	170	ug/Kg	10/27/25 11:27	PB170206
78-59-1	Isophorone	1500		1	32.8	130	170	ug/Kg	10/27/25 11:27	PB170206
88-75-5	2-Nitrophenol	1500		1	58.1	130	170	ug/Kg	10/27/25 11:27	PB170206
105-67-9	2,4-Dimethylphenol	1600		1	64.7	130	170	ug/Kg	10/27/25 11:27	PB170206
111-91-1	bis(2-Chloroethoxy)methane	1500		1	30.8	130	170	ug/Kg	10/27/25 11:27	PB170206
120-83-2	2,4-Dichlorophenol	1400		1	28.3	130	170	ug/Kg	10/27/25 11:27	PB170206
91-20-3	Naphthalene	1400		1	22.7	130	170	ug/Kg	10/27/25 11:27	PB170206
106-47-8	4-Chloroaniline	770		1	35.4	130	170	ug/Kg	10/27/25 11:27	PB170206
87-68-3	Hexachlorobutadiene	1300		1	25.3	130	170	ug/Kg	10/27/25 11:27	PB170206
105-60-2	Caprolactam	1600		1	52.0	270	330	ug/Kg	10/27/25 11:27	PB170206
59-50-7	4-Chloro-3-methylphenol	1500		1	28.7	130	170	ug/Kg	10/27/25 11:27	PB170206
91-57-6	2-Methylnaphthalene	1300		1	25.6	130	170	ug/Kg	10/27/25 11:27	PB170206
77-47-4	Hexachlorocyclopentadiene	4500	E	1	120	270	330	ug/Kg	10/27/25 11:27	PB170206
88-06-2	2,4,6-Trichlorophenol	1400		1	19.8	130	170	ug/Kg	10/27/25 11:27	PB170206
95-95-4	2,4,5-Trichlorophenol	1500		1	29.1	130	170	ug/Kg	10/27/25 11:27	PB170206
92-52-4	1,1-Biphenyl	1500		1	21.8	130	170	ug/Kg	10/27/25 11:27	PB170206
91-58-7	2-Chloronaphthalene	1400		1	22.5	130	170	ug/Kg	10/27/25 11:27	PB170206
88-74-4	2-Nitroaniline	1500		1	48.1	130	170	ug/Kg	10/27/25 11:27	PB170206
131-11-3	Dimethylphthalate	1500		1	27.1	130	170	ug/Kg	10/27/25 11:27	PB170206
208-96-8	Acenaphthylene	1600		1	28.9	130	170	ug/Kg	10/27/25 11:27	PB170206
606-20-2	2,6-Dinitrotoluene	1600		1	33.6	130	170	ug/Kg	10/27/25 11:27	PB170206
99-09-2	3-Nitroaniline	980		1	46.0	130	170	ug/Kg	10/27/25 11:27	PB170206
83-32-9	Acenaphthene	1500		1	21.3	130	170	ug/Kg	10/27/25 11:27	PB170206
51-28-5	2,4-Dinitrophenol	3200	E	1	230	270	330	ug/Kg	10/27/25 11:27	PB170206
100-02-7	4-Nitrophenol	2800	E	1	110	270	330	ug/Kg	10/27/25 11:27	PB170206
132-64-9	Dibenzofuran	1400		1	22.7	130	170	ug/Kg	10/27/25 11:27	PB170206
121-14-2	2,4-Dinitrotoluene	1500		1	50.0	130	170	ug/Kg	10/27/25 11:27	PB170206
84-66-2	Diethylphthalate	1500		1	28.3	130	170	ug/Kg	10/27/25 11:27	PB170206
7005-72-3	4-Chlorophenyl-phenylether	1400		1	26.7	130	170	ug/Kg	10/27/25 11:27	PB170206
86-73-7	Fluorene	1400		1	25.3	130	170	ug/Kg	10/27/25 11:27	PB170206
100-01-6	4-Nitroaniline	1400		1	64.1	130	170	ug/Kg	10/27/25 11:27	PB170206
534-52-1	4,6-Dinitro-2-methylphenol	1400		1	100	270	330	ug/Kg	10/27/25 11:27	PB170206

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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	1500		1	32.9	130	170	ug/Kg	10/27/25 11:27	PB170206
101-55-3	4-Bromophenyl-phenylether	1400		1	27.8	130	170	ug/Kg	10/27/25 11:27	PB170206
118-74-1	Hexachlorobenzene	1500		1	25.3	130	170	ug/Kg	10/27/25 11:27	PB170206
1912-24-9	Atrazine	1400		1	34.0	130	170	ug/Kg	10/27/25 11:27	PB170206
87-86-5	Pentachlorophenol	3000	E	1	51.2	270	330	ug/Kg	10/27/25 11:27	PB170206
85-01-8	Phenanthrene	1400		1	20.9	130	170	ug/Kg	10/27/25 11:27	PB170206
120-12-7	Anthracene	1400		1	33.3	130	170	ug/Kg	10/27/25 11:27	PB170206
86-74-8	Carbazole	1400		1	31.2	130	170	ug/Kg	10/27/25 11:27	PB170206
84-74-2	Di-n-butylphthalate	1300		1	47.9	130	170	ug/Kg	10/27/25 11:27	PB170206
206-44-0	Fluoranthene	1200		1	30.0	130	170	ug/Kg	10/27/25 11:27	PB170206
129-00-0	Pyrene	1700		1	36.0	130	170	ug/Kg	10/27/25 11:27	PB170206
85-68-7	Butylbenzylphthalate	1500		1	71.3	130	170	ug/Kg	10/27/25 11:27	PB170206
91-94-1	3,3-Dichlorobenzidine	1000		1	36.7	270	330	ug/Kg	10/27/25 11:27	PB170206
56-55-3	Benzo(a)anthracene	1500		1	23.0	130	170	ug/Kg	10/27/25 11:27	PB170206
218-01-9	Chrysene	1400		1	19.9	130	170	ug/Kg	10/27/25 11:27	PB170206
117-81-7	Bis(2-ethylhexyl)phthalate	1400		1	59.1	130	170	ug/Kg	10/27/25 11:27	PB170206
117-84-0	Di-n-octyl phthalate	1400		1	86.7	270	330	ug/Kg	10/27/25 11:27	PB170206
205-99-2	Benzo(b)fluoranthene	1500		1	19.0	130	170	ug/Kg	10/27/25 11:27	PB170206
207-08-9	Benzo(k)fluoranthene	1400		1	22.4	130	170	ug/Kg	10/27/25 11:27	PB170206
50-32-8	Benzo(a)pyrene	1600		1	29.5	130	170	ug/Kg	10/27/25 11:27	PB170206
193-39-5	Indeno(1,2,3-cd)pyrene	1500		1	29.1	130	170	ug/Kg	10/27/25 11:27	PB170206
53-70-3	Dibenzo(a,h)anthracene	1500		1	27.4	130	170	ug/Kg	10/27/25 11:27	PB170206
191-24-2	Benzo(g,h,i)perylene	1600		1	25.7	130	170	ug/Kg	10/27/25 11:27	PB170206
95-94-3	1,2,4,5-Tetrachlorobenzene	1500		1	25.6	130	170	ug/Kg	10/27/25 11:27	PB170206
123-91-1	1,4-Dioxane	1100		1	45.2	130	170	ug/Kg	10/27/25 11:27	PB170206
58-90-2	2,3,4,6-Tetrachlorophenol	1600		1	27.4	130	170	ug/Kg	10/27/25 11:27	PB170206

SURROGATES

367-12-4	2-Fluorophenol	108			35 - 115	72%	SPK: 150
13127-88-3	Phenol-d6	112			34 - 127	75%	SPK: 150
4165-60-0	Nitrobenzene-d5	78.4			37 - 122	78%	SPK: 100
321-60-8	2-Fluorobiphenyl	77.8			44 - 115	78%	SPK: 100
118-79-6	2,4,6-Tribromophenol	121			39 - 132	81%	SPK: 150
1718-51-0	Terphenyl-d14	95.7			54 - 127	96%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	61700
1146-65-2	Naphthalene-d8	230000
15067-26-2	Acenaphthene-d10	127000
1517-22-2	Phenanthrene-d10	219000
1719-03-5	Chrysene-d12	126000
1520-96-3	Perylene-d12	171000

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Analytical Method:	8270E	Level : LOW	% Solid:	100
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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