

Report of Analysis

Client: ICE Service Group, Inc.
Project: NWIRP Northrup Grumman Site – Bethpage, NY
Client Sample ID: PB170222BSD
Lab Sample ID: PB170222BSD
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 1000 mL Final Vol: 1000 uL
Prep Method : Prep Date: 10/22/25

Date Collected:
Date Received:
SDG No.: Q3400
Matrix: Water
% Solid: 0
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	13.3		1	3.90	8.00	10.0	ug/L	10/27/25 14:00	PB170222
108-95-2	Phenol	42.3		1	0.91	4.00	5.00	ug/L	10/27/25 14:00	PB170222
111-44-4	bis(2-Chloroethyl)ether	27.9		1	0.81	4.00	5.00	ug/L	10/27/25 14:00	PB170222
95-57-8	2-Chlorophenol	43.8		1	0.58	4.00	5.00	ug/L	10/27/25 14:00	PB170222
95-48-7	2-Methylphenol	42.1		1	1.10	4.00	5.00	ug/L	10/27/25 14:00	PB170222
108-60-1	2,2-oxybis(1-Chloropropane)	37.2		1	1.30	4.00	5.00	ug/L	10/27/25 14:00	PB170222
98-86-2	Acetophenone	42.8		1	0.74	4.00	5.00	ug/L	10/27/25 14:00	PB170222
65794-96-9	3+4-Methylphenols	41.8		1	1.10	8.00	10.0	ug/L	10/27/25 14:00	PB170222
621-64-7	n-Nitroso-di-n-propylamine	41.1		1	1.40	2.50	2.50	ug/L	10/27/25 14:00	PB170222
67-72-1	Hexachloroethane	38.1		1	0.65	4.00	5.00	ug/L	10/27/25 14:00	PB170222
98-95-3	Nitrobenzene	42.1		1	0.76	4.00	5.00	ug/L	10/27/25 14:00	PB170222
78-59-1	Isophorone	40.0		1	0.75	4.00	5.00	ug/L	10/27/25 14:00	PB170222
88-75-5	2-Nitrophenol	37.9		1	1.80	4.00	5.00	ug/L	10/27/25 14:00	PB170222
105-67-9	2,4-Dimethylphenol	48.0		1	1.90	4.00	5.00	ug/L	10/27/25 14:00	PB170222
111-91-1	bis(2-Chloroethoxy)methane	40.8		1	0.68	4.00	5.00	ug/L	10/27/25 14:00	PB170222
120-83-2	2,4-Dichlorophenol	45.3		1	0.52	4.00	5.00	ug/L	10/27/25 14:00	PB170222
91-20-3	Naphthalene	39.5		1	0.50	4.00	5.00	ug/L	10/27/25 14:00	PB170222
106-47-8	4-Chloroaniline	21.6		1	0.84	4.00	5.00	ug/L	10/27/25 14:00	PB170222
87-68-3	Hexachlorobutadiene	39.0		1	0.54	4.00	5.00	ug/L	10/27/25 14:00	PB170222
105-60-2	Caprolactam	37.7		1	1.10	8.00	10.0	ug/L	10/27/25 14:00	PB170222
59-50-7	4-Chloro-3-methylphenol	42.9		1	0.59	4.00	5.00	ug/L	10/27/25 14:00	PB170222
91-57-6	2-Methylnaphthalene	36.6		1	0.56	4.00	5.00	ug/L	10/27/25 14:00	PB170222
77-47-4	Hexachlorocyclopentadiene	100	E	1	3.60	8.00	10.0	ug/L	10/27/25 14:00	PB170222
88-06-2	2,4,6-Trichlorophenol	43.7		1	0.51	4.00	5.00	ug/L	10/27/25 14:00	PB170222
95-95-4	2,4,5-Trichlorophenol	43.5		1	0.62	4.00	5.00	ug/L	10/27/25 14:00	PB170222
92-52-4	1,1-Biphenyl	42.1		1	0.53	4.00	5.00	ug/L	10/27/25 14:00	PB170222
91-58-7	2-Chloronaphthalene	39.3		1	0.61	4.00	5.00	ug/L	10/27/25 14:00	PB170222
88-74-4	2-Nitroaniline	38.1		1	1.30	4.00	5.00	ug/L	10/27/25 14:00	PB170222
131-11-3	Dimethylphthalate	39.2		1	0.61	4.00	5.00	ug/L	10/27/25 14:00	PB170222
208-96-8	Acenaphthylene	45.1		1	0.75	4.00	5.00	ug/L	10/27/25 14:00	PB170222
606-20-2	2,6-Dinitrotoluene	42.0		1	0.92	4.00	5.00	ug/L	10/27/25 14:00	PB170222
99-09-2	3-Nitroaniline	30.0		1	1.10	4.00	5.00	ug/L	10/27/25 14:00	PB170222
83-32-9	Acenaphthene	42.2		1	0.55	4.00	5.00	ug/L	10/27/25 14:00	PB170222
51-28-5	2,4-Dinitrophenol	75.2		1	6.00	8.00	10.0	ug/L	10/27/25 14:00	PB170222
100-02-7	4-Nitrophenol	82.1	E	1	2.40	8.00	10.0	ug/L	10/27/25 14:00	PB170222
132-64-9	Dibenzofuran	39.2		1	0.61	4.00	5.00	ug/L	10/27/25 14:00	PB170222
121-14-2	2,4-Dinitrotoluene	40.6		1	1.20	4.00	5.00	ug/L	10/27/25 14:00	PB170222
84-66-2	Diethylphthalate	38.5		1	0.69	4.00	5.00	ug/L	10/27/25 14:00	PB170222
7005-72-3	4-Chlorophenyl-phenylether	39.4		1	0.68	4.00	5.00	ug/L	10/27/25 14:00	PB170222
86-73-7	Fluorene	40.2		1	0.63	4.00	5.00	ug/L	10/27/25 14:00	PB170222
100-01-6	4-Nitroaniline	39.9		1	1.50	4.00	5.00	ug/L	10/27/25 14:00	PB170222
534-52-1	4,6-Dinitro-2-methylphenol	40.8		1	2.90	8.00	10.0	ug/L	10/27/25 14:00	PB170222

Report of Analysis

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Project: NWIRP Northrup Grumman Site – Bethpage, NY
Client Sample ID: PB170222BSD
Lab Sample ID: PB170222BSD
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 1000 mL Final Vol: 1000 uL
Prep Method : Prep Date: 10/22/25

Date Collected:
Date Received:
SDG No.: Q3400
Matrix: Water
% Solid: 0
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	42.3		1	0.58	4.00	5.00	ug/L	10/27/25 14:00	PB170222
101-55-3	4-Bromophenyl-phenylether	40.9		1	0.40	4.00	5.00	ug/L	10/27/25 14:00	PB170222
118-74-1	Hexachlorobenzene	41.3		1	0.52	4.00	5.00	ug/L	10/27/25 14:00	PB170222
1912-24-9	Atrazine	39.8		1	1.00	4.00	5.00	ug/L	10/27/25 14:00	PB170222
87-86-5	Pentachlorophenol	86.5	E	1	1.60	8.00	10.0	ug/L	10/27/25 14:00	PB170222
85-01-8	Phenanthrene	40.5		1	0.50	4.00	5.00	ug/L	10/27/25 14:00	PB170222
120-12-7	Anthracene	40.0		1	0.61	4.00	5.00	ug/L	10/27/25 14:00	PB170222
86-74-8	Carbazole	40.0		1	0.72	4.00	5.00	ug/L	10/27/25 14:00	PB170222
84-74-2	Di-n-butylphthalate	38.6		1	1.20	4.00	5.00	ug/L	10/27/25 14:00	PB170222
206-44-0	Fluoranthene	38.8		1	0.82	4.00	5.00	ug/L	10/27/25 14:00	PB170222
129-00-0	Pyrene	39.9		1	0.50	4.00	5.00	ug/L	10/27/25 14:00	PB170222
85-68-7	Butylbenzylphthalate	44.0		1	1.90	4.00	5.00	ug/L	10/27/25 14:00	PB170222
91-94-1	3,3-Dichlorobenzidine	28.9		1	0.93	8.00	10.0	ug/L	10/27/25 14:00	PB170222
56-55-3	Benzo(a)anthracene	41.1		1	0.45	4.00	5.00	ug/L	10/27/25 14:00	PB170222
218-01-9	Chrysene	40.4		1	0.44	4.00	5.00	ug/L	10/27/25 14:00	PB170222
117-81-7	Bis(2-ethylhexyl)phthalate	42.9		1	1.60	4.00	5.00	ug/L	10/27/25 14:00	PB170222
117-84-0	Di-n-octyl phthalate	42.4		1	2.30	8.00	10.0	ug/L	10/27/25 14:00	PB170222
205-99-2	Benzo(b)fluoranthene	43.5		1	0.49	4.00	5.00	ug/L	10/27/25 14:00	PB170222
207-08-9	Benzo(k)fluoranthene	43.1		1	0.48	4.00	5.00	ug/L	10/27/25 14:00	PB170222
50-32-8	Benzo(a)pyrene	44.8		1	0.55	4.00	5.00	ug/L	10/27/25 14:00	PB170222
193-39-5	Indeno(1,2,3-cd)pyrene	42.7		1	0.59	4.00	5.00	ug/L	10/27/25 14:00	PB170222
53-70-3	Dibenzo(a,h)anthracene	43.6		1	0.67	4.00	5.00	ug/L	10/27/25 14:00	PB170222
191-24-2	Benzo(g,h,i)perylene	42.7		1	0.69	4.00	5.00	ug/L	10/27/25 14:00	PB170222
95-94-3	1,2,4,5-Tetrachlorobenzene	41.9		1	0.52	4.00	5.00	ug/L	10/27/25 14:00	PB170222
123-91-1	1,4-Dioxane	34.3		1	1.00	4.00	5.00	ug/L	10/27/25 14:00	PB170222
58-90-2	2,3,4,6-Tetrachlorophenol	45.3		1	0.72	4.00	5.00	ug/L	10/27/25 14:00	PB170222

SURROGATES

367-12-4	2-Fluorophenol	145		19 - 119	97%	SPK: 150
13127-88-3	Phenol-d6	125		10 - 130	83%	SPK: 150
4165-60-0	Nitrobenzene-d5	88.5		44 - 120	88%	SPK: 100
321-60-8	2-Fluorobiphenyl	79.8		44 - 119	80%	SPK: 100
118-79-6	2,4,6-Tribromophenol	124		43 - 140	83%	SPK: 150
1718-51-0	Terphenyl-d14	83.4		50 - 134	83%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	40300
1146-65-2	Naphthalene-d8	162000
15067-26-2	Acenaphthene-d10	130000
1517-22-2	Phenanthrene-d10	304000
1719-03-5	Chrysene-d12	321000
1520-96-3	Perylene-d12	326000

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Project:	NWIRP Northrup Grumman Site – Bethpage, NY		Date Received:	
Client Sample ID:	PB170222BSD		SDG No.:	Q3400
Lab Sample ID:	PB170222BSD		Matrix:	Water
Analytical Method:	8270E	Level : LOW	% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :		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