

LAB CHRONICLE

OrderID:	Q3399	OrderDate:	10/20/2025 1:23:08 PM
Client:	ICE Service Group, Inc.	Project:	NWIRP Northrup Grumman Site – Bethpage, NY
Contact:	Dennis D. Morgan, II	Location:	D41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3399-01	COMP-ROLLOFF	SOIL	SVOC-TCL BNA -20	8270E	10/20/25	10/22/25	11/03/25	10/20/25
Q3399-02	COMP-ROLLOFF	TCLP	TCLP BNA	8270E	10/20/25	10/22/25	11/03/25	10/20/25



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Hit Summary Sheet SW-846

SDG No.: Q3399
Client: ICE Service Group, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : COMP-ROLLOFF									
Q3399-01	COMP-ROLLOFF	SOIL	1-Docosene	*	190.000	J	0	0	ug/Kg
Q3399-01	COMP-ROLLOFF	SOIL	Benzophenone	*	240.000	J	0	0	ug/Kg
Total Tics :					430.00				
Total Concentration:					430.00				



SAMPLE DATA

Report of Analysis

Client: ICE Service Group, Inc.
Project: NWIRP Northrup Grumman Site – Bethpage, NY
Client Sample ID: COMP-ROLLOFF
Lab Sample ID: Q3399-01
Analytical Method: 8270E Level: LOW
Sample Wt/Vol: 30.09 g Final Vol: 1000 uL
Prep Method : SW3541 Prep Date: 10/22/25

Date Collected: 10/20/25
Date Received: 10/20/25
SDG No.: Q3399
Matrix: SOIL
% Solid: 89.9
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	300	U	1	170	300	370	ug/Kg	11/03/25 21:24	PB170206
108-95-2	Phenol	140	U	1	24.5	140	190	ug/Kg	11/03/25 21:24	PB170206
111-44-4	bis(2-Chloroethyl)ether	140	U	1	26.9	140	190	ug/Kg	11/03/25 21:24	PB170206
95-57-8	2-Chlorophenol	140	U	1	27.1	140	190	ug/Kg	11/03/25 21:24	PB170206
95-48-7	2-Methylphenol	140	U	1	33.2	140	190	ug/Kg	11/03/25 21:24	PB170206
108-60-1	2,2-oxybis(1-Chloropropane)	140	U	1	41.6	140	190	ug/Kg	11/03/25 21:24	PB170206
98-86-2	Acetophenone	140	U	1	32.7	140	190	ug/Kg	11/03/25 21:24	PB170206
65794-96-9	3+4-Methylphenols	300	U	1	45.6	300	370	ug/Kg	11/03/25 21:24	PB170206
621-64-7	n-Nitroso-di-n-propylamine	88.7	U	1	52.6	88.7	88.7	ug/Kg	11/03/25 21:24	PB170206
67-72-1	Hexachloroethane	140	U	1	19.5	140	190	ug/Kg	11/03/25 21:24	PB170206
98-95-3	Nitrobenzene	140	U	1	20.3	140	190	ug/Kg	11/03/25 21:24	PB170206
78-59-1	Isophorone	140	U	1	36.4	140	190	ug/Kg	11/03/25 21:24	PB170206
88-75-5	2-Nitrophenol	140	UM	1	64.5	140	190	ug/Kg	11/03/25 21:24	PB170206
105-67-9	2,4-Dimethylphenol	140	U	1	71.9	140	190	ug/Kg	11/03/25 21:24	PB170206
111-91-1	bis(2-Chloroethoxy)methane	140	U	1	34.2	140	190	ug/Kg	11/03/25 21:24	PB170206
120-83-2	2,4-Dichlorophenol	140	U	1	31.4	140	190	ug/Kg	11/03/25 21:24	PB170206
91-20-3	Naphthalene	140	U	1	25.2	140	190	ug/Kg	11/03/25 21:24	PB170206
106-47-8	4-Chloroaniline	140	U	1	39.3	140	190	ug/Kg	11/03/25 21:24	PB170206
87-68-3	Hexachlorobutadiene	140	U	1	28.1	140	190	ug/Kg	11/03/25 21:24	PB170206
105-60-2	Caprolactam	300	U	1	57.8	300	370	ug/Kg	11/03/25 21:24	PB170206
59-50-7	4-Chloro-3-methylphenol	140	U	1	31.8	140	190	ug/Kg	11/03/25 21:24	PB170206
91-57-6	2-Methylnaphthalene	140	U	1	28.4	140	190	ug/Kg	11/03/25 21:24	PB170206
77-47-4	Hexachlorocyclopentadiene	300	UQM	1	130	300	370	ug/Kg	11/03/25 21:24	PB170206
88-06-2	2,4,6-Trichlorophenol	140	U	1	22.0	140	190	ug/Kg	11/03/25 21:24	PB170206
95-95-4	2,4,5-Trichlorophenol	140	U	1	32.3	140	190	ug/Kg	11/03/25 21:24	PB170206
92-52-4	1,1-Biphenyl	140	U	1	24.2	140	190	ug/Kg	11/03/25 21:24	PB170206
91-58-7	2-Chloronaphthalene	140	U	1	25.0	140	190	ug/Kg	11/03/25 21:24	PB170206
88-74-4	2-Nitroaniline	140	U	1	53.3	140	190	ug/Kg	11/03/25 21:24	PB170206
131-11-3	Dimethylphthalate	140	U	1	30.1	140	190	ug/Kg	11/03/25 21:24	PB170206
208-96-8	Acenaphthylene	140	U	1	32.1	140	190	ug/Kg	11/03/25 21:24	PB170206
606-20-2	2,6-Dinitrotoluene	140	U	1	37.3	140	190	ug/Kg	11/03/25 21:24	PB170206
99-09-2	3-Nitroaniline	140	U	1	51.0	140	190	ug/Kg	11/03/25 21:24	PB170206
83-32-9	Acenaphthene	140	U	1	23.6	140	190	ug/Kg	11/03/25 21:24	PB170206
51-28-5	2,4-Dinitrophenol	300	U	1	250	300	370	ug/Kg	11/03/25 21:24	PB170206
100-02-7	4-Nitrophenol	300	U	1	120	300	370	ug/Kg	11/03/25 21:24	PB170206
132-64-9	Dibenzofuran	140	U	1	25.2	140	190	ug/Kg	11/03/25 21:24	PB170206
121-14-2	2,4-Dinitrotoluene	140	U	1	55.6	140	190	ug/Kg	11/03/25 21:24	PB170206
84-66-2	Diethylphthalate	140	U	1	31.4	140	190	ug/Kg	11/03/25 21:24	PB170206
7005-72-3	4-Chlorophenyl-phenylether	140	U	1	29.6	140	190	ug/Kg	11/03/25 21:24	PB170206
86-73-7	Fluorene	140	U	1	28.1	140	190	ug/Kg	11/03/25 21:24	PB170206
100-01-6	4-Nitroaniline	140	U	1	71.2	140	190	ug/Kg	11/03/25 21:24	PB170206
534-52-1	4,6-Dinitro-2-methylphenol	300	U	1	110	300	370	ug/Kg	11/03/25 21:24	PB170206

Report of Analysis

Client:	ICE Service Group, Inc.	Date Collected:	10/20/25
Project:	NWIRP Northrup Grumman Site – Bethpage, NY	Date Received:	10/20/25
Client Sample ID:	COMP-ROLLOFF	SDG No.:	Q3399
Lab Sample ID:	Q3399-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	89.9
Sample Wt/Vol:	30.09 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	10/22/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	140	U	1	36.5	140	190	ug/Kg	11/03/25 21:24	PB170206
101-55-3	4-Bromophenyl-phenylether	140	U	1	30.8	140	190	ug/Kg	11/03/25 21:24	PB170206
118-74-1	Hexachlorobenzene	140	U	1	28.1	140	190	ug/Kg	11/03/25 21:24	PB170206
1912-24-9	Atrazine	140	U	1	37.7	140	190	ug/Kg	11/03/25 21:24	PB170206
87-86-5	Pentachlorophenol	300	U	1	56.9	300	370	ug/Kg	11/03/25 21:24	PB170206
85-01-8	Phenanthrene	140	U	1	23.2	140	190	ug/Kg	11/03/25 21:24	PB170206
120-12-7	Anthracene	140	U	1	36.9	140	190	ug/Kg	11/03/25 21:24	PB170206
86-74-8	Carbazole	140	U	1	34.6	140	190	ug/Kg	11/03/25 21:24	PB170206
84-74-2	Di-n-butylphthalate	140	U	1	53.1	140	190	ug/Kg	11/03/25 21:24	PB170206
206-44-0	Fluoranthene	140	U	1	33.3	140	190	ug/Kg	11/03/25 21:24	PB170206
129-00-0	Pyrene	140	U	1	39.9	140	190	ug/Kg	11/03/25 21:24	PB170206
85-68-7	Butylbenzylphthalate	140	U	1	79.2	140	190	ug/Kg	11/03/25 21:24	PB170206
91-94-1	3,3-Dichlorobenzidine	300	U	1	40.7	300	370	ug/Kg	11/03/25 21:24	PB170206
56-55-3	Benzo(a)anthracene	140	U	1	25.5	140	190	ug/Kg	11/03/25 21:24	PB170206
218-01-9	Chrysene	140	U	1	22.1	140	190	ug/Kg	11/03/25 21:24	PB170206
117-81-7	Bis(2-ethylhexyl)phthalate	140	U	1	65.7	140	190	ug/Kg	11/03/25 21:24	PB170206
117-84-0	Di-n-octyl phthalate	300	U	1	96.3	300	370	ug/Kg	11/03/25 21:24	PB170206
205-99-2	Benzo(b)fluoranthene	140	U	1	21.1	140	190	ug/Kg	11/03/25 21:24	PB170206
207-08-9	Benzo(k)fluoranthene	140	U	1	24.8	140	190	ug/Kg	11/03/25 21:24	PB170206
50-32-8	Benzo(a)pyrene	140	U	1	32.7	140	190	ug/Kg	11/03/25 21:24	PB170206
193-39-5	Indeno(1,2,3-cd)pyrene	140	U	1	32.3	140	190	ug/Kg	11/03/25 21:24	PB170206
53-70-3	Dibenzo(a,h)anthracene	140	U	1	30.4	140	190	ug/Kg	11/03/25 21:24	PB170206
191-24-2	Benzo(g,h,i)perylene	140	U	1	28.5	140	190	ug/Kg	11/03/25 21:24	PB170206
95-94-3	1,2,4,5-Tetrachlorobenzene	140	U	1	28.4	140	190	ug/Kg	11/03/25 21:24	PB170206
123-91-1	1,4-Dioxane	140	UQM		50.1	140	190	ug/Kg	11/03/25 21:24	PB170206
58-90-2	2,3,4,6-Tetrachlorophenol	140	U	1	30.4	140	190	ug/Kg	11/03/25 21:24	PB170206

SURROGATES

367-12-4	2-Fluorophenol	89.1			35 - 115	59%	SPK: 150
13127-88-3	Phenol-d6	91.5			34 - 127	61%	SPK: 150
4165-60-0	Nitrobenzene-d5	74.2			37 - 122	74%	SPK: 100
321-60-8	2-Fluorobiphenyl	64.5			44 - 115	65%	SPK: 100
118-79-6	2,4,6-Tribromophenol	104			39 - 132	69%	SPK: 150
1718-51-0	Terphenyl-d14	61.8			54 - 127	62%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	32100
1146-65-2	Naphthalene-d8	123000
15067-26-2	Acenaphthene-d10	95300
1517-22-2	Phenanthrene-d10	252000
1719-03-5	Chrysene-d12	301000
1520-96-3	Perylene-d12	332000

TENTATIVE IDENTIFIED COMPOUNDS

000119-61-9	Benzophenone	240	J		16.2	ug/Kg
001599-67-3	1-Docosene	190	J		21.5	ug/Kg

Report of Analysis

Client:	ICE Service Group, Inc.	Date Collected:	10/20/25
Project:	NWIRP Northrup Grumman Site – Bethpage, NY	Date Received:	10/20/25
Client Sample ID:	COMP-ROLLOFF	SDG No.:	Q3399
Lab Sample ID:	Q3399-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	89.9
Sample Wt/Vol:	30.09 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541		
	Level: LOW		
	Final Vol: 1000 uL		
	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



QC SUMMARY

Surrogate Summary

SW-846

SDG No.: Q3399

Client: ICE Service Group, Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB170206BL	PB170206BL	2-Fluorophenol	150	139	93		35	115
		Phenol-d6	150	127	85		34	127
		Nitrobenzene-d5	100	110	110		37	122
		2-Fluorobiphenyl	100	93.6	94		44	115
		2,4,6-Tribromophenol	150	159	106		39	132
		Terphenyl-d14	100	96.5	97		54	127
PB170206BS	PB170206BS	2-Fluorophenol	150	122	82		35	115
		Phenol-d6	150	123	82		34	127
		Nitrobenzene-d5	100	92.4	92		37	122
		2-Fluorobiphenyl	100	81.6	82		44	115
		2,4,6-Tribromophenol	150	147	98		39	132
		Terphenyl-d14	100	86.2	86		54	127
Q3399-01	COMP-ROLLOFF	2-Fluorophenol	150	89.1	59		35	115
		Phenol-d6	150	91.5	61		34	127
		Nitrobenzene-d5	100	74.2	74		37	122
		2-Fluorobiphenyl	100	64.5	65		44	115
		2,4,6-Tribromophenol	150	104	69		39	132
		Terphenyl-d14	100	61.8	62		54	127
Q3399-01MS	COMP-ROLLOFFMS	2-Fluorophenol	150	88.7	59		35	115
		Phenol-d6	150	91.3	61		34	127
		Nitrobenzene-d5	100	68.7	69		37	122
		2-Fluorobiphenyl	100	59.5	60		44	115
		2,4,6-Tribromophenol	150	119	79		39	132
		Terphenyl-d14	100	59.9	60		54	127
Q3399-01MSD	COMP-ROLLOFFMSD	2-Fluorophenol	150	91.1	61		35	115
		Phenol-d6	150	98.9	66		34	127
		Nitrobenzene-d5	100	74.1	74		37	122
		2-Fluorobiphenyl	100	60.0	60		44	115
		2,4,6-Tribromophenol	150	121	81		39	132
		Terphenyl-d14	100	60.6	61		54	127

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3399

Analytical Method: SW8270E

Client: ICE Service Group, Inc.

DataFile: BG064683.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: Q3399-01MS		Client Sample ID: COMP-ROLLOFFMS									
Benzaldehyde	1800	0	1100	ug/Kg	61				10	161	
Phenol	1800	0	1700	ug/Kg	94				34	121	
bis(2-Chloroethyl)ether	1800	0	1500	ug/Kg	83				31	120	
2-Chlorophenol	1800	0	1900	ug/Kg	106				34	121	
2-Methylphenol	1800	0	1800	ug/Kg	100				32	122	
2,2-oxybis(1-Chloropropane)	1800	0	1600	ug/Kg	89				33	131	
Acetophenone	1800	0	1900	ug/Kg	106				33	115	
3+4-Methylphenols	1800	0	1800	ug/Kg	100				34	119	
N-Nitroso-di-n-propylamine	1800	0	1700	ug/Kg	94				36	120	
Hexachloroethane	1800	0	1800	ug/Kg	100				28	117	
Nitrobenzene	1800	0	1900	ug/Kg	106				34	122	
Isophorone	1800	0	1600	ug/Kg	89				30	122	
2-Nitrophenol	1800	0	2200	ug/Kg	122				36	123	
2,4-Dimethylphenol	1800	0	1900	ug/Kg	106				30	127	
bis(2-Chloroethoxy)methane	1800	0	1600	ug/Kg	89				36	121	
2,4-Dichlorophenol	1800	0	2000	ug/Kg	111				40	122	
Naphthalene	1800	0	1700	ug/Kg	94				35	123	
4-Chloroaniline	1800	0	870	ug/Kg	48				17	106	
Hexachlorobutadiene	1800	0	1900	ug/Kg	106				32	123	
Caprolactam	1800	0	1500	ug/Kg	83				46	117	
4-Chloro-3-methylphenol	1800	0	1900	ug/Kg	106				45	122	
2-Methylnaphthalene	1800	0	1600	ug/Kg	89				38	122	
Hexachlorocyclopentadiene	3700	0	5500	ug/Kg	149	*			43	112	
2,4,6-Trichlorophenol	1800	0	2000	ug/Kg	111				39	126	
2,4,5-Trichlorophenol	1800	0	2000	ug/Kg	111				41	124	
1,1-Biphenyl	1800	0	1900	ug/Kg	106				40	117	
2-Chloronaphthalene	1800	0	1700	ug/Kg	94				41	114	
2-Nitroaniline	1800	0	1900	ug/Kg	106				44	127	
Dimethylphthalate	1800	0	1700	ug/Kg	94				48	124	
Acenaphthylene	1800	0	2000	ug/Kg	111				32	132	
2,6-Dinitrotoluene	1800	0	2100	ug/Kg	117				46	124	
3-Nitroaniline	1800	0	1600	ug/Kg	89				33	119	
Acenaphthene	1800	0	1900	ug/Kg	106				40	123	
2,4-Dinitrophenol	3700	0	4100	ug/Kg	111				15	130	
4-Nitrophenol	3700	0	3500	ug/Kg	95				30	132	
Dibenzofuran	1800	0	1800	ug/Kg	100				44	120	
2,4-Dinitrotoluene	1800	0	2100	ug/Kg	117				48	126	
Diethylphthalate	1800	0	1700	ug/Kg	94				50	124	
4-Chlorophenyl-phenylether	1800	0	1900	ug/Kg	106				45	121	
Fluorene	1800	0	1800	ug/Kg	100				43	125	
4-Nitroaniline	1800	0	2000	ug/Kg	111				35	115	
4,6-Dinitro-2-methylphenol	1800	0	2300	ug/Kg	128				29	132	
N-Nitrosodiphenylamine	1800	0	1800	ug/Kg	100				38	127	
4-Bromophenyl-phenylether	1800	0	1900	ug/Kg	106				46	124	
Hexachlorobenzene	1800	0	2000	ug/Kg	111				45	122	
Atrazine	1800	0	2000	ug/Kg	111				47	127	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3399

Analytical Method: SW8270E

Client: ICE Service Group, Inc.

DataFile: BG064683.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Pentachlorophenol	3700	0	2600	ug/Kg	70				25	133	
Phenanthrene	1800	0	1800	ug/Kg	100				50	121	
Anthracene	1800	0	1800	ug/Kg	100				47	123	
Carbazole	1800	0	1800	ug/Kg	100				50	123	
Di-n-butylphthalate	1800	0	1800	ug/Kg	100				51	128	
Fluoranthene	1800	0	1800	ug/Kg	100				50	127	
Pyrene	1800	0	1700	ug/Kg	94				47	127	
Butylbenzylphthalate	1800	0	1900	ug/Kg	106				48	132	
3,3-Dichlorobenzidine	1800	0	1300	ug/Kg	72				22	121	
Benzo(a)anthracene	1800	0	1800	ug/Kg	100				49	126	
Chrysene	1800	0	1800	ug/Kg	100				50	124	
bis(2-Ethylhexyl)phthalate	1800	0	1800	ug/Kg	100				51	133	
Di-n-octyl phthalate	1800	0	1900	ug/Kg	106				45	140	
Benzo(b)fluoranthene	1800	0	1800	ug/Kg	100				45	132	
Benzo(k)fluoranthene	1800	0	1800	ug/Kg	100				47	132	
Benzo(a)pyrene	1800	0	1900	ug/Kg	106				45	129	
Indeno(1,2,3-cd)pyrene	1800	0	1800	ug/Kg	100				45	133	
Dibenz(a,h)anthracene	1800	0	1800	ug/Kg	100				45	134	
Benzo(g,h,i)perylene	1800	0	1900	ug/Kg	106				43	134	
1,2,4,5-Tetrachlorobenzene	1800	0	2000	ug/Kg	111				37	119	
1,4-Dioxane	1800	0	1200	ug/Kg	67	*			70	130	
2,3,4,6-Tetrachlorophenol	1800	0	2000	ug/Kg	111				44	125	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3399

Analytical Method: SW8270E

Client: ICE Service Group, Inc.

DataFile: BG064684.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	Q3399-01MSD	Client Sample ID:	COMP-ROLLOFFMSD								
Benzaldehyde	1900	0	1200	ug/Kg	63		3		10	161	20
Phenol	1900	0	1800	ug/Kg	95		1		34	121	20
bis(2-Chloroethyl)ether	1900	0	1600	ug/Kg	84		1		31	120	20
2-Chlorophenol	1900	0	2000	ug/Kg	105		1		34	121	20
2-Methylphenol	1900	0	1900	ug/Kg	100		0		32	122	20
2,2-oxybis(1-Chloropropane)	1900	0	1600	ug/Kg	84		6		33	131	20
Acetophenone	1900	0	2000	ug/Kg	105		1		33	115	20
3+4-Methylphenols	1900	0	1800	ug/Kg	95		5		34	119	20
N-Nitroso-di-n-propylamine	1900	0	1700	ug/Kg	89		5		36	120	20
Hexachloroethane	1900	0	1900	ug/Kg	100		0		28	117	20
Nitrobenzene	1900	0	2000	ug/Kg	105		1		34	122	20
Isophorone	1900	0	1700	ug/Kg	89		0		30	122	20
2-Nitrophenol	1900	0	2400	ug/Kg	126	*	3		36	123	20
2,4-Dimethylphenol	1900	0	2000	ug/Kg	105		1		30	127	20
bis(2-Chloroethoxy)methane	1900	0	1700	ug/Kg	89		0		36	121	20
2,4-Dichlorophenol	1900	0	2100	ug/Kg	111		0		40	122	20
Naphthalene	1900	0	1800	ug/Kg	95		1		35	123	20
4-Chloroaniline	1900	0	930	ug/Kg	49		2		17	106	20
Hexachlorobutadiene	1900	0	2000	ug/Kg	105		1		32	123	20
Caprolactam	1900	0	1700	ug/Kg	89		7		46	117	20
4-Chloro-3-methylphenol	1900	0	2000	ug/Kg	105		1		45	122	20
2-Methylnaphthalene	1900	0	1700	ug/Kg	89		0		38	122	20
Hexachlorocyclopentadiene	3700	0	5600	ug/Kg	151	*	1		43	112	20
2,4,6-Trichlorophenol	1900	0	2100	ug/Kg	111		0		39	126	20
2,4,5-Trichlorophenol	1900	0	2000	ug/Kg	105		6		41	124	20
1,1-Biphenyl	1900	0	2000	ug/Kg	105		1		40	117	20
2-Chloronaphthalene	1900	0	1800	ug/Kg	95		1		41	114	20
2-Nitroaniline	1900	0	2000	ug/Kg	105		1		44	127	20
Dimethylphthalate	1900	0	1800	ug/Kg	95		1		48	124	20
Acenaphthylene	1900	0	2000	ug/Kg	105		6		32	132	20
2,6-Dinitrotoluene	1900	0	2200	ug/Kg	116		1		46	124	20
3-Nitroaniline	1900	0	1600	ug/Kg	84		6		33	119	20
Acenaphthene	1900	0	2000	ug/Kg	105		1		40	123	20
2,4-Dinitrophenol	3700	0	4000	ug/Kg	108		3		15	130	20
4-Nitrophenol	3700	0	3500	ug/Kg	95		0		30	132	20
Dibenzofuran	1900	0	1800	ug/Kg	95		5		44	120	20
2,4-Dinitrotoluene	1900	0	2100	ug/Kg	111		5		48	126	20
Diethylphthalate	1900	0	1800	ug/Kg	95		1		50	124	20
4-Chlorophenyl-phenylether	1900	0	1900	ug/Kg	100		6		45	121	20
Fluorene	1900	0	1800	ug/Kg	95		5		43	125	20
4-Nitroaniline	1900	0	2000	ug/Kg	105		6		35	115	20
4,6-Dinitro-2-methylphenol	1900	0	2400	ug/Kg	126		2		29	132	20
N-Nitrosodiphenylamine	1900	0	1900	ug/Kg	100		0		38	127	20
4-Bromophenyl-phenylether	1900	0	2000	ug/Kg	105		1		46	124	20
Hexachlorobenzene	1900	0	2000	ug/Kg	105		6		45	122	20
Atrazine	1900	0	2000	ug/Kg	105		6		47	127	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3399

Analytical Method: SW8270E

Client: ICE Service Group, Inc.

DataFile: BG064684.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Pentachlorophenol	3700	0	2600	ug/Kg	70		0		25	133	20
Phenanthrene	1900	0	1800	ug/Kg	95		5		50	121	20
Anthracene	1900	0	1800	ug/Kg	95		5		47	123	20
Carbazole	1900	0	1800	ug/Kg	95		5		50	123	20
Di-n-butylphthalate	1900	0	1800	ug/Kg	95		5		51	128	20
Fluoranthene	1900	0	1800	ug/Kg	95		5		50	127	20
Pyrene	1900	0	1700	ug/Kg	89		5		47	127	20
Butylbenzylphthalate	1900	0	2000	ug/Kg	105		1		48	132	20
3,3-Dichlorobenzidine	1900	0	1400	ug/Kg	74		3		22	121	20
Benzo(a)anthracene	1900	0	1800	ug/Kg	95		5		49	126	20
Chrysene	1900	0	1800	ug/Kg	95		5		50	124	20
bis(2-Ethylhexyl)phthalate	1900	0	1900	ug/Kg	100		0		51	133	20
Di-n-octyl phthalate	1900	0	1900	ug/Kg	100		6		45	140	20
Benzo(b)fluoranthene	1900	0	1900	ug/Kg	100		0		45	132	20
Benzo(k)fluoranthene	1900	0	1900	ug/Kg	100		0		47	132	20
Benzo(a)pyrene	1900	0	1900	ug/Kg	100		6		45	129	20
Indeno(1,2,3-cd)pyrene	1900	0	1900	ug/Kg	100		0		45	133	20
Dibenz(a,h)anthracene	1900	0	1900	ug/Kg	100		0		45	134	20
Benzo(g,h,i)perylene	1900	0	1900	ug/Kg	100		6		43	134	20
1,2,4,5-Tetrachlorobenzene	1900	0	2100	ug/Kg	111		0		37	119	20
1,4-Dioxane	1900	0	1200	ug/Kg	63	*	6		70	130	20
2,3,4,6-Tetrachlorophenol	1900	0	2200	ug/Kg	116		4		44	125	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: <u>Q3399</u>	Analytical Method: <u>8270E</u>
Client: <u>ICE Service Group, Inc.</u>	DataFile: <u>BG064674.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB170206BS	Benzaldehyde	1700	980	ug/Kg	58				10	161	
	Phenol	1700	1400	ug/Kg	82				34	121	
	bis(2-Chloroethyl)ether	1700	1300	ug/Kg	76				31	120	
	2-Chlorophenol	1700	1500	ug/Kg	88				34	121	
	2-Methylphenol	1700	1500	ug/Kg	88				32	122	
	2,2-oxybis(1-Chloropropane)	1700	1300	ug/Kg	76				33	131	
	Acetophenone	1700	1500	ug/Kg	88				33	115	
	3+4-Methylphenols	1700	1400	ug/Kg	82				34	119	
	N-Nitroso-di-n-propylamine	1700	1300	ug/Kg	76				36	120	
	Hexachloroethane	1700	1400	ug/Kg	82				28	117	
	Nitrobenzene	1700	1500	ug/Kg	88				34	122	
	Isophorone	1700	1300	ug/Kg	76				30	122	
	2-Nitrophenol	1700	1700	ug/Kg	100				36	123	
	2,4-Dimethylphenol	1700	1600	ug/Kg	94				30	127	
	bis(2-Chloroethoxy)methane	1700	1300	ug/Kg	76				36	121	
	2,4-Dichlorophenol	1700	1600	ug/Kg	94				40	122	
	Naphthalene	1700	1400	ug/Kg	82				35	123	
	4-Chloroaniline	1700	700	ug/Kg	41				17	106	
	Hexachlorobutadiene	1700	1500	ug/Kg	88				32	123	
	Caprolactam	1700	1400	ug/Kg	82				46	117	
	4-Chloro-3-methylphenol	1700	1500	ug/Kg	88				45	122	
	2-Methylnaphthalene	1700	1300	ug/Kg	76				38	122	
	Hexachlorocyclopentadiene	3300	4200	ug/Kg	127		*		43	112	
	2,4,6-Trichlorophenol	1700	1700	ug/Kg	100				39	126	
	2,4,5-Trichlorophenol	1700	1600	ug/Kg	94				41	124	
	1,1-Biphenyl	1700	1600	ug/Kg	94				40	117	
	2-Chloronaphthalene	1700	1400	ug/Kg	82				41	114	
	2-Nitroaniline	1700	1500	ug/Kg	88				44	127	
	Dimethylphthalate	1700	1500	ug/Kg	88				48	124	
	Acenaphthylene	1700	1700	ug/Kg	100				32	132	
	2,6-Dinitrotoluene	1700	1800	ug/Kg	106				46	124	
	3-Nitroaniline	1700	1200	ug/Kg	71				33	119	
	Acenaphthene	1700	1600	ug/Kg	94				40	123	
	2,4-Dinitrophenol	3300	3700	ug/Kg	112				15	130	
	4-Nitrophenol	3300	3100	ug/Kg	94				30	132	
	Dibenzofuran	1700	1400	ug/Kg	82				44	120	
	2,4-Dinitrotoluene	1700	1700	ug/Kg	100				48	126	
	Diethylphthalate	1700	1500	ug/Kg	88				50	124	
	4-Chlorophenyl-phenylether	1700	1500	ug/Kg	88				45	121	
	Fluorene	1700	1500	ug/Kg	88				43	125	
	4-Nitroaniline	1700	1700	ug/Kg	100				35	115	
	4,6-Dinitro-2-methylphenol	1700	1900	ug/Kg	112				29	132	
	N-Nitrosodiphenylamine	1700	1500	ug/Kg	88				38	127	
	4-Bromophenyl-phenylether	1700	1500	ug/Kg	88				46	124	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: <u>Q3399</u>	Analytical Method: <u>8270E</u>
Client: <u>ICE Service Group, Inc.</u>	DataFile: <u>BG064674.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Limits		RPD
							Qual	Qual	Low	High	
PB170206BS	Hexachlorobenzene	1700	1500	ug/Kg	88				45	122	
	Atrazine	1700	1600	ug/Kg	94				47	127	
	Pentachlorophenol	3300	3300	ug/Kg	100				25	133	
	Phenanthrene	1700	1500	ug/Kg	88				50	121	
	Anthracene	1700	1500	ug/Kg	88				47	123	
	Carbazole	1700	1500	ug/Kg	88				50	123	
	Di-n-butylphthalate	1700	1500	ug/Kg	88				51	128	
	Fluoranthene	1700	1500	ug/Kg	88				50	127	
	Pyrene	1700	1400	ug/Kg	82				47	127	
	Butylbenzylphthalate	1700	1600	ug/Kg	94				48	132	
	3,3-Dichlorobenzidine	1700	1100	ug/Kg	65				22	121	
	Benzo(a)anthracene	1700	1500	ug/Kg	88				49	126	
	Chrysene	1700	1400	ug/Kg	82				50	124	
	bis(2-Ethylhexyl)phthalate	1700	1600	ug/Kg	94				51	133	
	Di-n-octyl phthalate	1700	1600	ug/Kg	94				45	140	
	Benzo(b)fluoranthene	1700	1500	ug/Kg	88				45	132	
	Benzo(k)fluoranthene	1700	1500	ug/Kg	88				47	132	
	Benzo(a)pyrene	1700	1600	ug/Kg	94				45	129	
	Indeno(1,2,3-cd)pyrene	1700	1500	ug/Kg	88				45	133	
	Dibenz(a,h)anthracene	1700	1500	ug/Kg	88				45	134	
	Benzo(g,h,i)perylene	1700	1500	ug/Kg	88				43	134	
	1,2,4,5-Tetrachlorobenzene	1700	1600	ug/Kg	94				37	119	
	1,4-Dioxane	1700	1000	ug/Kg	59		*		70	130	
	2,3,4,6-Tetrachlorophenol	1700	1800	ug/Kg	106				44	125	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID

PB170206BL

Lab Name: Alliance

Contract: ICES02

Lab Code: ACE

SDG NO.: Q3399

Lab File ID: BG064673.D

Lab Sample ID: PB170206BL

Instrument ID: BNA_G

Date Extracted: 10/22/2025

Matrix: (soil/water) SOIL

Date Analyzed: 11/03/2025

Level: (low/med) LOW

Time Analyzed: 15:16

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB170206BS	PB170206BS	BG064674.D	11/03/2025
COMP-ROLLOFF	Q3399-01	BG064682.D	11/03/2025
COMP-ROLLOFFMS	Q3399-01MS	BG064683.D	11/03/2025
COMP-ROLLOFFMSD	Q3399-01MSD	BG064684.D	11/03/2025

COMMENTS: _____

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BG064568.D
Instrument ID: BNA_G

Contract: ICES02
SDG NO.: Q3399
DFTPP Injection Date: 10/24/2025
DFTPP Injection Time: 08:20

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	35.3
70	Less than 2.0% of mass 69	0.1 (0.2) 1
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7.2
365	Greater than 1% of mass 198	5.1
441	Present, but less than mass 443	15.1
442	Greater than 50% of mass 198	92.7
443	15.0 - 24.0% of mass 442	17.5 (18.9) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BG064569.D	10/24/2025	09:00
SSTDICC005	SSTDICC005	BG064570.D	10/24/2025	09:41
SSTDICC010	SSTDICC010	BG064571.D	10/24/2025	11:02
SSTDICC020	SSTDICC020	BG064572.D	10/24/2025	12:23
SSTDICCC040	SSTDICCC040	BG064573.D	10/24/2025	13:03
SSTDICC060	SSTDICC060	BG064574.D	10/24/2025	13:44
SSTDICC080	SSTDICC080	BG064575.D	10/24/2025	14:24
SSTDICC050	SSTDICC050	BG064576.D	10/24/2025	15:32

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BG064671.D
Instrument ID: BNA_G

Contract: ICES02
SDG NO.: Q3399
DFTPP Injection Date: 11/03/2025
DFTPP Injection Time: 13:54

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.2 (0.7) 1
69	Mass 69 relative abundance	31.2
70	Less than 2.0% of mass 69	0.2 (0.7) 1
197	Less than 2.0% of mass 198	0.3
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
365	Greater than 1% of mass 198	6.3
441	Present, but less than mass 443	16.8
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	20.3 (20.3) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BG064672.D	11/03/2025	14:35
PB170206BL	PB170206BL	BG064673.D	11/03/2025	15:16
PB170206BS	PB170206BS	BG064674.D	11/03/2025	15:57
COMP-ROLLOFF	Q3399-01	BG064682.D	11/03/2025	21:24
COMP-ROLLOFFMS	Q3399-01MS	BG064683.D	11/03/2025	22:05
COMP-ROLLOFFMSD	Q3399-01MSD	BG064684.D	11/03/2025	22:46
SSTDCCC040EC	SSTDCCC040	BG064685.D	11/03/2025	23:27

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3399

Client ID : SSTDCCC040

Date Analyzed: 11/03/2025

Lab File ID: BG064672.D

Time Analyzed: 14:35

Instrument ID: BNA_G

GC Column: ZB-GR ID: 0.25 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	31906	8.207	126610	11.04	99069	14.83
UPPER LIMIT	63812	8.707	253220	11.539	198138	15.334
LOWER LIMIT	15953	7.707	63305	10.539	49534.5	14.334
EPA SAMPLE NO.						
01 PB170206BL	33303	8.21	120360	11.04	97938	14.83
02 PB170206BS	31473	8.21	125369	11.04	100193	14.83
03 COMP-ROLLOFF	32053	8.21	122752	11.04	95326	14.83
04 COMP-ROLLOFFMS	30518	8.21	124719	11.03	97711	14.83
05 COMP-ROLLOFFMSD	29939	8.21	118752	11.03	97631	14.83

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3399

Client ID: SSTDCCC040

Date Analyzed: 11/03/2025

Lab File ID: BG064672.D

Time Analyzed: 14:35

Instrument ID: BNA_G

GC Column: ZB-GR ID: 0.25 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	239125	17.572	279624	21.85	296512	25.187
UPPER LIMIT	478250	18.072	559248	22.35	593024	25.687
LOWER LIMIT	119563	17.072	139812	21.35	148256	24.687
EPA SAMPLE NO.						
01 PB170206BL	255703	17.57	321187	21.84	341510	25.17
02 PB170206BS	249048	17.57	291284	21.85	304737	25.18
03 COMP-ROLLOFF	251613	17.57	301190	21.84	331540	25.17
04 COMP-ROLLOFFMS	238341	17.57	278646	21.84	306904	25.17
05 COMP-ROLLOFFMSD	238127	17.57	275359	21.84	303393	25.18

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.



QC SAMPLE DATA

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 : SW3541 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	11/03/25 15:16	PB170206
108-95-2	Phenol	130	U	1	22.1	130	170	ug/Kg	11/03/25 15:16	PB170206
111-44-4	bis(2-Chloroethyl)ether	130	U	1	24.3	130	170	ug/Kg	11/03/25 15:16	PB170206
95-57-8	2-Chlorophenol	130	U	1	24.4	130	170	ug/Kg	11/03/25 15:16	PB170206
95-48-7	2-Methylphenol	130	U	1	29.9	130	170	ug/Kg	11/03/25 15:16	PB170206
108-60-1	2,2-oxybis(1-Chloropropane)	130	U	1	37.5	130	170	ug/Kg	11/03/25 15:16	PB170206
98-86-2	Acetophenone	130	U	1	29.5	130	170	ug/Kg	11/03/25 15:16	PB170206
65794-96-9	3+4-Methylphenols	270	U	1	41.1	270	330	ug/Kg	11/03/25 15:16	PB170206
621-64-7	n-Nitroso-di-n-propylamine	80.0	U	1	47.4	80.0	80.0	ug/Kg	11/03/25 15:16	PB170206
67-72-1	Hexachloroethane	130	U	1	17.6	130	170	ug/Kg	11/03/25 15:16	PB170206
98-95-3	Nitrobenzene	130	U	1	18.3	130	170	ug/Kg	11/03/25 15:16	PB170206
78-59-1	Isophorone	130	U	1	32.8	130	170	ug/Kg	11/03/25 15:16	PB170206
88-75-5	2-Nitrophenol	130	U	1	58.2	130	170	ug/Kg	11/03/25 15:16	PB170206
105-67-9	2,4-Dimethylphenol	130	U	1	64.8	130	170	ug/Kg	11/03/25 15:16	PB170206
111-91-1	bis(2-Chloroethoxy)methane	130	U	1	30.8	130	170	ug/Kg	11/03/25 15:16	PB170206
120-83-2	2,4-Dichlorophenol	130	U	1	28.3	130	170	ug/Kg	11/03/25 15:16	PB170206
91-20-3	Naphthalene	130	U	1	22.7	130	170	ug/Kg	11/03/25 15:16	PB170206
106-47-8	4-Chloroaniline	130	U	1	35.4	130	170	ug/Kg	11/03/25 15:16	PB170206
87-68-3	Hexachlorobutadiene	130	U	1	25.3	130	170	ug/Kg	11/03/25 15:16	PB170206
105-60-2	Caprolactam	270	U	1	52.1	270	330	ug/Kg	11/03/25 15:16	PB170206
59-50-7	4-Chloro-3-methylphenol	130	U	1	28.7	130	170	ug/Kg	11/03/25 15:16	PB170206
91-57-6	2-Methylnaphthalene	130	U	1	25.6	130	170	ug/Kg	11/03/25 15:16	PB170206
77-47-4	Hexachlorocyclopentadiene	270	U	1	120	270	330	ug/Kg	11/03/25 15:16	PB170206
88-06-2	2,4,6-Trichlorophenol	130	U	1	19.8	130	170	ug/Kg	11/03/25 15:16	PB170206
95-95-4	2,4,5-Trichlorophenol	130	U	1	29.1	130	170	ug/Kg	11/03/25 15:16	PB170206
92-52-4	1,1-Biphenyl	130	U	1	21.8	130	170	ug/Kg	11/03/25 15:16	PB170206
91-58-7	2-Chloronaphthalene	130	U	1	22.5	130	170	ug/Kg	11/03/25 15:16	PB170206
88-74-4	2-Nitroaniline	130	U	1	48.1	130	170	ug/Kg	11/03/25 15:16	PB170206
131-11-3	Dimethylphthalate	130	U	1	27.1	130	170	ug/Kg	11/03/25 15:16	PB170206
208-96-8	Acenaphthylene	130	U	1	28.9	130	170	ug/Kg	11/03/25 15:16	PB170206
606-20-2	2,6-Dinitrotoluene	130	U	1	33.6	130	170	ug/Kg	11/03/25 15:16	PB170206
99-09-2	3-Nitroaniline	130	U	1	46.0	130	170	ug/Kg	11/03/25 15:16	PB170206
83-32-9	Acenaphthene	130	U	1	21.3	130	170	ug/Kg	11/03/25 15:16	PB170206
51-28-5	2,4-Dinitrophenol	270	U	1	230	270	330	ug/Kg	11/03/25 15:16	PB170206
100-02-7	4-Nitrophenol	270	U	1	110	270	330	ug/Kg	11/03/25 15:16	PB170206
132-64-9	Dibenzofuran	130	U	1	22.7	130	170	ug/Kg	11/03/25 15:16	PB170206
121-14-2	2,4-Dinitrotoluene	130	U	1	50.1	130	170	ug/Kg	11/03/25 15:16	PB170206
84-66-2	Diethylphthalate	130	U	1	28.3	130	170	ug/Kg	11/03/25 15:16	PB170206
7005-72-3	4-Chlorophenyl-phenylether	130	U	1	26.7	130	170	ug/Kg	11/03/25 15:16	PB170206
86-73-7	Fluorene	130	U	1	25.3	130	170	ug/Kg	11/03/25 15:16	PB170206
100-01-6	4-Nitroaniline	130	U	1	64.2	130	170	ug/Kg	11/03/25 15:16	PB170206
534-52-1	4,6-Dinitro-2-methylphenol	270	U	1	100	270	330	ug/Kg	11/03/25 15:16	PB170206

Report of Analysis

Client:	ICE Service Group, Inc.	Date Collected:	
Project:	NWIRP Northrup Grumman Site – Bethpage, NY	Date Received:	
Client Sample ID:	PB170206BL	SDG No.:	Q3399
Lab Sample ID:	PB170206BL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.01 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Level: LOW	
		Final Vol:	1000 uL
		Prep Date:	10/22/25

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	11/03/25 15:16	PB170206
101-55-3	4-Bromophenyl-phenylether	130	U	1	27.8	130	170	ug/Kg	11/03/25 15:16	PB170206
118-74-1	Hexachlorobenzene	130	U	1	25.3	130	170	ug/Kg	11/03/25 15:16	PB170206
1912-24-9	Atrazine	130	U	1	34.0	130	170	ug/Kg	11/03/25 15:16	PB170206
87-86-5	Pentachlorophenol	270	U	1	51.3	270	330	ug/Kg	11/03/25 15:16	PB170206
85-01-8	Phenanthrene	130	U	1	20.9	130	170	ug/Kg	11/03/25 15:16	PB170206
120-12-7	Anthracene	130	U	1	33.3	130	170	ug/Kg	11/03/25 15:16	PB170206
86-74-8	Carbazole	130	U	1	31.2	130	170	ug/Kg	11/03/25 15:16	PB170206
84-74-2	Di-n-butylphthalate	130	U	1	47.9	130	170	ug/Kg	11/03/25 15:16	PB170206
206-44-0	Fluoranthene	130	U	1	30.0	130	170	ug/Kg	11/03/25 15:16	PB170206
129-00-0	Pyrene	130	U	1	36.0	130	170	ug/Kg	11/03/25 15:16	PB170206
85-68-7	Butylbenzylphthalate	130	U	1	71.4	130	170	ug/Kg	11/03/25 15:16	PB170206
91-94-1	3,3-Dichlorobenzidine	270	U	1	36.7	270	330	ug/Kg	11/03/25 15:16	PB170206
56-55-3	Benzo(a)anthracene	130	U	1	23.0	130	170	ug/Kg	11/03/25 15:16	PB170206
218-01-9	Chrysene	130	U	1	19.9	130	170	ug/Kg	11/03/25 15:16	PB170206
117-81-7	Bis(2-ethylhexyl)phthalate	130	U	1	59.2	130	170	ug/Kg	11/03/25 15:16	PB170206
117-84-0	Di-n-octyl phthalate	270	U	1	86.8	270	330	ug/Kg	11/03/25 15:16	PB170206
205-99-2	Benzo(b)fluoranthene	130	U	1	19.0	130	170	ug/Kg	11/03/25 15:16	PB170206
207-08-9	Benzo(k)fluoranthene	130	U	1	22.4	130	170	ug/Kg	11/03/25 15:16	PB170206
50-32-8	Benzo(a)pyrene	130	U	1	29.5	130	170	ug/Kg	11/03/25 15:16	PB170206
193-39-5	Indeno(1,2,3-cd)pyrene	130	U	1	29.1	130	170	ug/Kg	11/03/25 15:16	PB170206
53-70-3	Dibenzo(a,h)anthracene	130	U	1	27.4	130	170	ug/Kg	11/03/25 15:16	PB170206
191-24-2	Benzo(g,h,i)perylene	130	U	1	25.7	130	170	ug/Kg	11/03/25 15:16	PB170206
95-94-3	1,2,4,5-Tetrachlorobenzene	130	U	1	25.6	130	170	ug/Kg	11/03/25 15:16	PB170206
123-91-1	1,4-Dioxane	130	U	1	45.2	130	170	ug/Kg	11/03/25 15:16	PB170206
58-90-2	2,3,4,6-Tetrachlorophenol	130	U	1	27.4	130	170	ug/Kg	11/03/25 15:16	PB170206

SURROGATES

367-12-4	2-Fluorophenol	139			35 - 115	93%	SPK: 150
13127-88-3	Phenol-d6	127			34 - 127	85%	SPK: 150
4165-60-0	Nitrobenzene-d5	110			37 - 122	110%	SPK: 100
321-60-8	2-Fluorobiphenyl	93.6			44 - 115	94%	SPK: 100
118-79-6	2,4,6-Tribromophenol	159			39 - 132	106%	SPK: 150
1718-51-0	Terphenyl-d14	96.5			54 - 127	97%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	33300
1146-65-2	Naphthalene-d8	120000
15067-26-2	Acenaphthene-d10	97900
1517-22-2	Phenanthrene-d10	256000
1719-03-5	Chrysene-d12	321000
1520-96-3	Perylene-d12	342000

Report of Analysis

Client:	ICE Service Group, Inc.	Date Collected:	
Project:	NWIRP Northrup Grumman Site – Bethpage, NY	Date Received:	
Client Sample ID:	PB170206BL	SDG No.:	Q3399
Lab Sample ID:	PB170206BL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.01 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541		
	Level: LOW		
	Final Vol: 1000 uL		
	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

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 : SW3541 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	980		1	160	270	330	ug/Kg	11/03/25 15:57	PB170206
108-95-2	Phenol	1400		1	22.1	130	170	ug/Kg	11/03/25 15:57	PB170206
111-44-4	bis(2-Chloroethyl)ether	1300		1	24.3	130	170	ug/Kg	11/03/25 15:57	PB170206
95-57-8	2-Chlorophenol	1500		1	24.4	130	170	ug/Kg	11/03/25 15:57	PB170206
95-48-7	2-Methylphenol	1500		1	29.9	130	170	ug/Kg	11/03/25 15:57	PB170206
108-60-1	2,2-oxybis(1-Chloropropane)	1300		1	37.5	130	170	ug/Kg	11/03/25 15:57	PB170206
98-86-2	Acetophenone	1500		1	29.5	130	170	ug/Kg	11/03/25 15:57	PB170206
65794-96-9	3+4-Methylphenols	1400		1	41.1	270	330	ug/Kg	11/03/25 15:57	PB170206
621-64-7	n-Nitroso-di-n-propylamine	1300		1	47.4	79.9	79.9	ug/Kg	11/03/25 15:57	PB170206
67-72-1	Hexachloroethane	1400		1	17.6	130	170	ug/Kg	11/03/25 15:57	PB170206
98-95-3	Nitrobenzene	1500		1	18.3	130	170	ug/Kg	11/03/25 15:57	PB170206
78-59-1	Isophorone	1300		1	32.8	130	170	ug/Kg	11/03/25 15:57	PB170206
88-75-5	2-Nitrophenol	1700		1	58.1	130	170	ug/Kg	11/03/25 15:57	PB170206
105-67-9	2,4-Dimethylphenol	1600		1	64.7	130	170	ug/Kg	11/03/25 15:57	PB170206
111-91-1	bis(2-Chloroethoxy)methane	1300		1	30.8	130	170	ug/Kg	11/03/25 15:57	PB170206
120-83-2	2,4-Dichlorophenol	1600		1	28.3	130	170	ug/Kg	11/03/25 15:57	PB170206
91-20-3	Naphthalene	1400		1	22.7	130	170	ug/Kg	11/03/25 15:57	PB170206
106-47-8	4-Chloroaniline	700		1	35.4	130	170	ug/Kg	11/03/25 15:57	PB170206
87-68-3	Hexachlorobutadiene	1500		1	25.3	130	170	ug/Kg	11/03/25 15:57	PB170206
105-60-2	Caprolactam	1400		1	52.0	270	330	ug/Kg	11/03/25 15:57	PB170206
59-50-7	4-Chloro-3-methylphenol	1500		1	28.7	130	170	ug/Kg	11/03/25 15:57	PB170206
91-57-6	2-Methylnaphthalene	1300		1	25.6	130	170	ug/Kg	11/03/25 15:57	PB170206
77-47-4	Hexachlorocyclopentadiene	4200	E	1	120	270	330	ug/Kg	11/03/25 15:57	PB170206
88-06-2	2,4,6-Trichlorophenol	1700		1	19.8	130	170	ug/Kg	11/03/25 15:57	PB170206
95-95-4	2,4,5-Trichlorophenol	1600		1	29.1	130	170	ug/Kg	11/03/25 15:57	PB170206
92-52-4	1,1-Biphenyl	1600		1	21.8	130	170	ug/Kg	11/03/25 15:57	PB170206
91-58-7	2-Chloronaphthalene	1400		1	22.5	130	170	ug/Kg	11/03/25 15:57	PB170206
88-74-4	2-Nitroaniline	1500		1	48.1	130	170	ug/Kg	11/03/25 15:57	PB170206
131-11-3	Dimethylphthalate	1500		1	27.1	130	170	ug/Kg	11/03/25 15:57	PB170206
208-96-8	Acenaphthylene	1700		1	28.9	130	170	ug/Kg	11/03/25 15:57	PB170206
606-20-2	2,6-Dinitrotoluene	1800		1	33.6	130	170	ug/Kg	11/03/25 15:57	PB170206
99-09-2	3-Nitroaniline	1200		1	46.0	130	170	ug/Kg	11/03/25 15:57	PB170206
83-32-9	Acenaphthene	1600		1	21.3	130	170	ug/Kg	11/03/25 15:57	PB170206
51-28-5	2,4-Dinitrophenol	3700	E	1	230	270	330	ug/Kg	11/03/25 15:57	PB170206
100-02-7	4-Nitrophenol	3100	E	1	110	270	330	ug/Kg	11/03/25 15:57	PB170206
132-64-9	Dibenzofuran	1400		1	22.7	130	170	ug/Kg	11/03/25 15:57	PB170206
121-14-2	2,4-Dinitrotoluene	1700		1	50.0	130	170	ug/Kg	11/03/25 15:57	PB170206
84-66-2	Diethylphthalate	1500		1	28.3	130	170	ug/Kg	11/03/25 15:57	PB170206
7005-72-3	4-Chlorophenyl-phenylether	1500		1	26.7	130	170	ug/Kg	11/03/25 15:57	PB170206
86-73-7	Fluorene	1500		1	25.3	130	170	ug/Kg	11/03/25 15:57	PB170206
100-01-6	4-Nitroaniline	1700		1	64.1	130	170	ug/Kg	11/03/25 15:57	PB170206
534-52-1	4,6-Dinitro-2-methylphenol	1900		1	100	270	330	ug/Kg	11/03/25 15:57	PB170206

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 : SW3541 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
86-30-6	n-Nitrosodiphenylamine	1500		1	32.9	130	170	ug/Kg	11/03/25 15:57	PB170206
101-55-3	4-Bromophenyl-phenylether	1500		1	27.8	130	170	ug/Kg	11/03/25 15:57	PB170206
118-74-1	Hexachlorobenzene	1500		1	25.3	130	170	ug/Kg	11/03/25 15:57	PB170206
1912-24-9	Atrazine	1600		1	34.0	130	170	ug/Kg	11/03/25 15:57	PB170206
87-86-5	Pentachlorophenol	3300	E	1	51.2	270	330	ug/Kg	11/03/25 15:57	PB170206
85-01-8	Phenanthrene	1500		1	20.9	130	170	ug/Kg	11/03/25 15:57	PB170206
120-12-7	Anthracene	1500		1	33.3	130	170	ug/Kg	11/03/25 15:57	PB170206
86-74-8	Carbazole	1500		1	31.2	130	170	ug/Kg	11/03/25 15:57	PB170206
84-74-2	Di-n-butylphthalate	1500		1	47.9	130	170	ug/Kg	11/03/25 15:57	PB170206
206-44-0	Fluoranthene	1500		1	30.0	130	170	ug/Kg	11/03/25 15:57	PB170206
129-00-0	Pyrene	1400		1	36.0	130	170	ug/Kg	11/03/25 15:57	PB170206
85-68-7	Butylbenzylphthalate	1600		1	71.3	130	170	ug/Kg	11/03/25 15:57	PB170206
91-94-1	3,3-Dichlorobenzidine	1100		1	36.7	270	330	ug/Kg	11/03/25 15:57	PB170206
56-55-3	Benzo(a)anthracene	1500		1	23.0	130	170	ug/Kg	11/03/25 15:57	PB170206
218-01-9	Chrysene	1400		1	19.9	130	170	ug/Kg	11/03/25 15:57	PB170206
117-81-7	Bis(2-ethylhexyl)phthalate	1600		1	59.1	130	170	ug/Kg	11/03/25 15:57	PB170206
117-84-0	Di-n-octyl phthalate	1600		1	86.7	270	330	ug/Kg	11/03/25 15:57	PB170206
205-99-2	Benzo(b)fluoranthene	1500		1	19.0	130	170	ug/Kg	11/03/25 15:57	PB170206
207-08-9	Benzo(k)fluoranthene	1500		1	22.4	130	170	ug/Kg	11/03/25 15:57	PB170206
50-32-8	Benzo(a)pyrene	1600		1	29.5	130	170	ug/Kg	11/03/25 15:57	PB170206
193-39-5	Indeno(1,2,3-cd)pyrene	1500		1	29.1	130	170	ug/Kg	11/03/25 15:57	PB170206
53-70-3	Dibenzo(a,h)anthracene	1500		1	27.4	130	170	ug/Kg	11/03/25 15:57	PB170206
191-24-2	Benzo(g,h,i)perylene	1500		1	25.7	130	170	ug/Kg	11/03/25 15:57	PB170206
95-94-3	1,2,4,5-Tetrachlorobenzene	1600		1	25.6	130	170	ug/Kg	11/03/25 15:57	PB170206
123-91-1	1,4-Dioxane	1000		1	45.2	130	170	ug/Kg	11/03/25 15:57	PB170206
58-90-2	2,3,4,6-Tetrachlorophenol	1800		1	27.4	130	170	ug/Kg	11/03/25 15:57	PB170206

SURROGATES

367-12-4	2-Fluorophenol	122			35 - 115	82%	SPK: 150
13127-88-3	Phenol-d6	123			34 - 127	82%	SPK: 150
4165-60-0	Nitrobenzene-d5	92.4			37 - 122	92%	SPK: 100
321-60-8	2-Fluorobiphenyl	81.6			44 - 115	82%	SPK: 100
118-79-6	2,4,6-Tribromophenol	147			39 - 132	98%	SPK: 150
1718-51-0	Terphenyl-d14	86.2			54 - 127	86%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	31500
1146-65-2	Naphthalene-d8	125000
15067-26-2	Acenaphthene-d10	100000
1517-22-2	Phenanthrene-d10	249000
1719-03-5	Chrysene-d12	291000
1520-96-3	Perylene-d12	305000

Report of Analysis

Client:	ICE Service Group, Inc.	Date Collected:	
Project:	NWIRP Northrup Grumman Site – Bethpage, NY	Date Received:	
Client Sample ID:	PB170206BS	SDG No.:	Q3399
Lab Sample ID:	PB170206BS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.03 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541		
	Level: LOW		
	Final Vol: 1000 uL		
	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

Report of Analysis

Client:	ICE Service Group, Inc.	Date Collected:	10/20/25
Project:	NWIRP Northrup Grumman Site – Bethpage, NY	Date Received:	10/20/25
Client Sample ID:	COMP-ROLLOFFMS	SDG No.:	Q3399
Lab Sample ID:	Q3399-01MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	89.9
Sample Wt/Vol:	30.08 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	10/22/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS										
100-52-7	Benzaldehyde	1100		1	170	300	370	ug/Kg	11/03/25 22:05	PB170206
108-95-2	Phenol	1700		1	24.5	140	190	ug/Kg	11/03/25 22:05	PB170206
111-44-4	bis(2-Chloroethyl)ether	1500		1	27.0	140	190	ug/Kg	11/03/25 22:05	PB170206
95-57-8	2-Chlorophenol	1900		1	27.1	140	190	ug/Kg	11/03/25 22:05	PB170206
95-48-7	2-Methylphenol	1800		1	33.2	140	190	ug/Kg	11/03/25 22:05	PB170206
108-60-1	2,2-oxybis(1-Chloropropane)	1600		1	41.6	140	190	ug/Kg	11/03/25 22:05	PB170206
98-86-2	Acetophenone	1900		1	32.7	140	190	ug/Kg	11/03/25 22:05	PB170206
65794-96-9	3+4-Methylphenols	1800		1	45.6	300	370	ug/Kg	11/03/25 22:05	PB170206
621-64-7	n-Nitroso-di-n-propylamine	1700		1	52.6	88.8	88.8	ug/Kg	11/03/25 22:05	PB170206
67-72-1	Hexachloroethane	1800		1	19.5	140	190	ug/Kg	11/03/25 22:05	PB170206
98-95-3	Nitrobenzene	1900		1	20.3	140	190	ug/Kg	11/03/25 22:05	PB170206
78-59-1	Isophorone	1600		1	36.4	140	190	ug/Kg	11/03/25 22:05	PB170206
88-75-5	2-Nitrophenol	2200		1	64.6	140	190	ug/Kg	11/03/25 22:05	PB170206
105-67-9	2,4-Dimethylphenol	1900		1	71.9	140	190	ug/Kg	11/03/25 22:05	PB170206
111-91-1	bis(2-Chloroethoxy)methane	1600		1	34.2	140	190	ug/Kg	11/03/25 22:05	PB170206
120-83-2	2,4-Dichlorophenol	2000		1	31.4	140	190	ug/Kg	11/03/25 22:05	PB170206
91-20-3	Naphthalene	1700		1	25.2	140	190	ug/Kg	11/03/25 22:05	PB170206
106-47-8	4-Chloroaniline	870		1	39.3	140	190	ug/Kg	11/03/25 22:05	PB170206
87-68-3	Hexachlorobutadiene	1900		1	28.1	140	190	ug/Kg	11/03/25 22:05	PB170206
105-60-2	Caprolactam	1500		1	57.8	300	370	ug/Kg	11/03/25 22:05	PB170206
59-50-7	4-Chloro-3-methylphenol	1900		1	31.8	140	190	ug/Kg	11/03/25 22:05	PB170206
91-57-6	2-Methylnaphthalene	1600		1	28.4	140	190	ug/Kg	11/03/25 22:05	PB170206
77-47-4	Hexachlorocyclopentadiene	5500	E	1	130	300	370	ug/Kg	11/03/25 22:05	PB170206
88-06-2	2,4,6-Trichlorophenol	2000		1	22.0	140	190	ug/Kg	11/03/25 22:05	PB170206
95-95-4	2,4,5-Trichlorophenol	2000		1	32.3	140	190	ug/Kg	11/03/25 22:05	PB170206
92-52-4	1,1-Biphenyl	1900		1	24.2	140	190	ug/Kg	11/03/25 22:05	PB170206
91-58-7	2-Chloronaphthalene	1700		1	25.0	140	190	ug/Kg	11/03/25 22:05	PB170206
88-74-4	2-Nitroaniline	1900		1	53.4	140	190	ug/Kg	11/03/25 22:05	PB170206
131-11-3	Dimethylphthalate	1700		1	30.1	140	190	ug/Kg	11/03/25 22:05	PB170206
208-96-8	Acenaphthylene	2000		1	32.1	140	190	ug/Kg	11/03/25 22:05	PB170206
606-20-2	2,6-Dinitrotoluene	2100		1	37.3	140	190	ug/Kg	11/03/25 22:05	PB170206
99-09-2	3-Nitroaniline	1600		1	51.0	140	190	ug/Kg	11/03/25 22:05	PB170206
83-32-9	Acenaphthene	1900		1	23.6	140	190	ug/Kg	11/03/25 22:05	PB170206
51-28-5	2,4-Dinitrophenol	4100	E	1	250	300	370	ug/Kg	11/03/25 22:05	PB170206
100-02-7	4-Nitrophenol	3500	E	1	120	300	370	ug/Kg	11/03/25 22:05	PB170206
132-64-9	Dibenzofuran	1800		1	25.2	140	190	ug/Kg	11/03/25 22:05	PB170206
121-14-2	2,4-Dinitrotoluene	2100		1	55.6	140	190	ug/Kg	11/03/25 22:05	PB170206
84-66-2	Diethylphthalate	1700		1	31.4	140	190	ug/Kg	11/03/25 22:05	PB170206
7005-72-3	4-Chlorophenyl-phenylether	1900		1	29.6	140	190	ug/Kg	11/03/25 22:05	PB170206
86-73-7	Fluorene	1800		1	28.1	140	190	ug/Kg	11/03/25 22:05	PB170206
100-01-6	4-Nitroaniline	2000		1	71.2	140	190	ug/Kg	11/03/25 22:05	PB170206
534-52-1	4,6-Dinitro-2-methylphenol	2300		1	110	300	370	ug/Kg	11/03/25 22:05	PB170206

Report of Analysis

Client:	ICE Service Group, Inc.	Date Collected:	10/20/25
Project:	NWIRP Northrup Grumman Site – Bethpage, NY	Date Received:	10/20/25
Client Sample ID:	COMP-ROLLOFFMS	SDG No.:	Q3399
Lab Sample ID:	Q3399-01MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	89.9
Sample Wt/Vol:	30.08 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Level: LOW	
		Final Vol:	1000 uL
		Prep Date:	10/22/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	1800		1	36.5	140	190	ug/Kg	11/03/25 22:05	PB170206
101-55-3	4-Bromophenyl-phenylether	1900		1	30.8	140	190	ug/Kg	11/03/25 22:05	PB170206
118-74-1	Hexachlorobenzene	2000		1	28.1	140	190	ug/Kg	11/03/25 22:05	PB170206
1912-24-9	Atrazine	2000		1	37.7	140	190	ug/Kg	11/03/25 22:05	PB170206
87-86-5	Pentachlorophenol	2600		1	56.9	300	370	ug/Kg	11/03/25 22:05	PB170206
85-01-8	Phenanthrene	1800		1	23.2	140	190	ug/Kg	11/03/25 22:05	PB170206
120-12-7	Anthracene	1800		1	36.9	140	190	ug/Kg	11/03/25 22:05	PB170206
86-74-8	Carbazole	1800		1	34.6	140	190	ug/Kg	11/03/25 22:05	PB170206
84-74-2	Di-n-butylphthalate	1800		1	53.1	140	190	ug/Kg	11/03/25 22:05	PB170206
206-44-0	Fluoranthene	1800		1	33.3	140	190	ug/Kg	11/03/25 22:05	PB170206
129-00-0	Pyrene	1700		1	39.9	140	190	ug/Kg	11/03/25 22:05	PB170206
85-68-7	Butylbenzylphthalate	1900		1	79.2	140	190	ug/Kg	11/03/25 22:05	PB170206
91-94-1	3,3-Dichlorobenzidine	1300		1	40.7	300	370	ug/Kg	11/03/25 22:05	PB170206
56-55-3	Benzo(a)anthracene	1800		1	25.5	140	190	ug/Kg	11/03/25 22:05	PB170206
218-01-9	Chrysene	1800		1	22.1	140	190	ug/Kg	11/03/25 22:05	PB170206
117-81-7	Bis(2-ethylhexyl)phthalate	1800		1	65.7	140	190	ug/Kg	11/03/25 22:05	PB170206
117-84-0	Di-n-octyl phthalate	1900		1	96.3	300	370	ug/Kg	11/03/25 22:05	PB170206
205-99-2	Benzo(b)fluoranthene	1800		1	21.1	140	190	ug/Kg	11/03/25 22:05	PB170206
207-08-9	Benzo(k)fluoranthene	1800		1	24.9	140	190	ug/Kg	11/03/25 22:05	PB170206
50-32-8	Benzo(a)pyrene	1900		1	32.7	140	190	ug/Kg	11/03/25 22:05	PB170206
193-39-5	Indeno(1,2,3-cd)pyrene	1800		1	32.3	140	190	ug/Kg	11/03/25 22:05	PB170206
53-70-3	Dibenzo(a,h)anthracene	1800		1	30.4	140	190	ug/Kg	11/03/25 22:05	PB170206
191-24-2	Benzo(g,h,i)perylene	1900		1	28.5	140	190	ug/Kg	11/03/25 22:05	PB170206
95-94-3	1,2,4,5-Tetrachlorobenzene	2000		1	28.4	140	190	ug/Kg	11/03/25 22:05	PB170206
123-91-1	1,4-Dioxane	1200		1	50.1	140	190	ug/Kg	11/03/25 22:05	PB170206
58-90-2	2,3,4,6-Tetrachlorophenol	2000		1	30.4	140	190	ug/Kg	11/03/25 22:05	PB170206

SURROGATES

367-12-4	2-Fluorophenol	88.7			35 - 115	59%	SPK: 150
13127-88-3	Phenol-d6	91.3			34 - 127	61%	SPK: 150
4165-60-0	Nitrobenzene-d5	68.7			37 - 122	69%	SPK: 100
321-60-8	2-Fluorobiphenyl	59.5			44 - 115	60%	SPK: 100
118-79-6	2,4,6-Tribromophenol	119			39 - 132	79%	SPK: 150
1718-51-0	Terphenyl-d14	59.9			54 - 127	60%	SPK: 100

INTERNAL STANDARDS

		Area Count
3855-82-1	1,4-Dichlorobenzene-d4	30500
1146-65-2	Naphthalene-d8	125000
15067-26-2	Acenaphthene-d10	97700
1517-22-2	Phenanthrene-d10	238000
1719-03-5	Chrysene-d12	279000
1520-96-3	Perylene-d12	307000

Report of Analysis

Client:	ICE Service Group, Inc.	Date Collected:	10/20/25
Project:	NWIRP Northrup Grumman Site – Bethpage, NY	Date Received:	10/20/25
Client Sample ID:	COMP-ROLLOFFMS	SDG No.:	Q3399
Lab Sample ID:	Q3399-01MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	89.9
	Level: LOW	Test:	SVOC-TCL BNA -20
Sample Wt/Vol:	30.08 g		
	Final Vol: 1000 uL		
Prep Method :	SW3541		
	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

Report of Analysis

Client: ICE Service Group, Inc.
Project: NWIRP Northrup Grumman Site – Bethpage, NY
Client Sample ID: COMP-ROLLOFFMSD
Lab Sample ID: Q3399-01MSD
Analytical Method: 8270E Level: LOW
Sample Wt/Vol: 30.06 g Final Vol: 1000 uL
Prep Method : SW3541 Prep Date: 10/22/25

Date Collected: 10/20/25
Date Received: 10/20/25
SDG No.: Q3399
Matrix: SOIL
% Solid: 89.9
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	1200		1	170	300	370	ug/Kg	11/03/25 22:46	PB170206
108-95-2	Phenol	1800		1	24.5	140	190	ug/Kg	11/03/25 22:46	PB170206
111-44-4	bis(2-Chloroethyl)ether	1600		1	27.0	140	190	ug/Kg	11/03/25 22:46	PB170206
95-57-8	2-Chlorophenol	2000		1	27.1	140	190	ug/Kg	11/03/25 22:46	PB170206
95-48-7	2-Methylphenol	1900		1	33.2	140	190	ug/Kg	11/03/25 22:46	PB170206
108-60-1	2,2-oxybis(1-Chloropropane)	1600		1	41.6	140	190	ug/Kg	11/03/25 22:46	PB170206
98-86-2	Acetophenone	2000		1	32.7	140	190	ug/Kg	11/03/25 22:46	PB170206
65794-96-9	3+4-Methylphenols	1800		1	45.6	300	370	ug/Kg	11/03/25 22:46	PB170206
621-64-7	n-Nitroso-di-n-propylamine	1700		1	52.6	88.8	88.8	ug/Kg	11/03/25 22:46	PB170206
67-72-1	Hexachloroethane	1900		1	19.5	140	190	ug/Kg	11/03/25 22:46	PB170206
98-95-3	Nitrobenzene	2000		1	20.3	140	190	ug/Kg	11/03/25 22:46	PB170206
78-59-1	Isophorone	1700		1	36.4	140	190	ug/Kg	11/03/25 22:46	PB170206
88-75-5	2-Nitrophenol	2400		1	64.6	140	190	ug/Kg	11/03/25 22:46	PB170206
105-67-9	2,4-Dimethylphenol	2000		1	71.9	140	190	ug/Kg	11/03/25 22:46	PB170206
111-91-1	bis(2-Chloroethoxy)methane	1700		1	34.2	140	190	ug/Kg	11/03/25 22:46	PB170206
120-83-2	2,4-Dichlorophenol	2100		1	31.4	140	190	ug/Kg	11/03/25 22:46	PB170206
91-20-3	Naphthalene	1800		1	25.2	140	190	ug/Kg	11/03/25 22:46	PB170206
106-47-8	4-Chloroaniline	930		1	39.3	140	190	ug/Kg	11/03/25 22:46	PB170206
87-68-3	Hexachlorobutadiene	2000		1	28.1	140	190	ug/Kg	11/03/25 22:46	PB170206
105-60-2	Caprolactam	1700		1	57.8	300	370	ug/Kg	11/03/25 22:46	PB170206
59-50-7	4-Chloro-3-methylphenol	2000		1	31.9	140	190	ug/Kg	11/03/25 22:46	PB170206
91-57-6	2-Methylnaphthalene	1700		1	28.4	140	190	ug/Kg	11/03/25 22:46	PB170206
77-47-4	Hexachlorocyclopentadiene	5600	E	1	130	300	370	ug/Kg	11/03/25 22:46	PB170206
88-06-2	2,4,6-Trichlorophenol	2100		1	22.0	140	190	ug/Kg	11/03/25 22:46	PB170206
95-95-4	2,4,5-Trichlorophenol	2000		1	32.3	140	190	ug/Kg	11/03/25 22:46	PB170206
92-52-4	1,1-Biphenyl	2000		1	24.2	140	190	ug/Kg	11/03/25 22:46	PB170206
91-58-7	2-Chloronaphthalene	1800		1	25.0	140	190	ug/Kg	11/03/25 22:46	PB170206
88-74-4	2-Nitroaniline	2000		1	53.4	140	190	ug/Kg	11/03/25 22:46	PB170206
131-11-3	Dimethylphthalate	1800		1	30.1	140	190	ug/Kg	11/03/25 22:46	PB170206
208-96-8	Acenaphthylene	2000		1	32.1	140	190	ug/Kg	11/03/25 22:46	PB170206
606-20-2	2,6-Dinitrotoluene	2200		1	37.3	140	190	ug/Kg	11/03/25 22:46	PB170206
99-09-2	3-Nitroaniline	1600		1	51.1	140	190	ug/Kg	11/03/25 22:46	PB170206
83-32-9	Acenaphthene	2000		1	23.6	140	190	ug/Kg	11/03/25 22:46	PB170206
51-28-5	2,4-Dinitrophenol	4000	E	1	250	300	370	ug/Kg	11/03/25 22:46	PB170206
100-02-7	4-Nitrophenol	3500	E	1	120	300	370	ug/Kg	11/03/25 22:46	PB170206
132-64-9	Dibenzofuran	1800		1	25.2	140	190	ug/Kg	11/03/25 22:46	PB170206
121-14-2	2,4-Dinitrotoluene	2100		1	55.6	140	190	ug/Kg	11/03/25 22:46	PB170206
84-66-2	Diethylphthalate	1800		1	31.4	140	190	ug/Kg	11/03/25 22:46	PB170206
7005-72-3	4-Chlorophenyl-phenylether	1900		1	29.6	140	190	ug/Kg	11/03/25 22:46	PB170206
86-73-7	Fluorene	1800		1	28.1	140	190	ug/Kg	11/03/25 22:46	PB170206
100-01-6	4-Nitroaniline	2000		1	71.3	140	190	ug/Kg	11/03/25 22:46	PB170206
534-52-1	4,6-Dinitro-2-methylphenol	2400		1	110	300	370	ug/Kg	11/03/25 22:46	PB170206

Report of Analysis

Client:	ICE Service Group, Inc.	Date Collected:	10/20/25
Project:	NWIRP Northrup Grumman Site – Bethpage, NY	Date Received:	10/20/25
Client Sample ID:	COMP-ROLLOFFMSD	SDG No.:	Q3399
Lab Sample ID:	Q3399-01MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	89.9
Sample Wt/Vol:	30.06 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Level: LOW	
		Final Vol:	1000 uL
		Prep Date:	10/22/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	1900		1	36.5	140	190	ug/Kg	11/03/25 22:46	PB170206
101-55-3	4-Bromophenyl-phenylether	2000		1	30.9	140	190	ug/Kg	11/03/25 22:46	PB170206
118-74-1	Hexachlorobenzene	2000		1	28.1	140	190	ug/Kg	11/03/25 22:46	PB170206
1912-24-9	Atrazine	2000		1	37.7	140	190	ug/Kg	11/03/25 22:46	PB170206
87-86-5	Pentachlorophenol	2600		1	56.9	300	370	ug/Kg	11/03/25 22:46	PB170206
85-01-8	Phenanthrene	1800		1	23.2	140	190	ug/Kg	11/03/25 22:46	PB170206
120-12-7	Anthracene	1800		1	37.0	140	190	ug/Kg	11/03/25 22:46	PB170206
86-74-8	Carbazole	1800		1	34.6	140	190	ug/Kg	11/03/25 22:46	PB170206
84-74-2	Di-n-butylphthalate	1800		1	53.2	140	190	ug/Kg	11/03/25 22:46	PB170206
206-44-0	Fluoranthene	1800		1	33.3	140	190	ug/Kg	11/03/25 22:46	PB170206
129-00-0	Pyrene	1700		1	40.0	140	190	ug/Kg	11/03/25 22:46	PB170206
85-68-7	Butylbenzylphthalate	2000		1	79.3	140	190	ug/Kg	11/03/25 22:46	PB170206
91-94-1	3,3-Dichlorobenzidine	1400		1	40.7	300	370	ug/Kg	11/03/25 22:46	PB170206
56-55-3	Benzo(a)anthracene	1800		1	25.5	140	190	ug/Kg	11/03/25 22:46	PB170206
218-01-9	Chrysene	1800		1	22.1	140	190	ug/Kg	11/03/25 22:46	PB170206
117-81-7	Bis(2-ethylhexyl)phthalate	1900		1	65.7	140	190	ug/Kg	11/03/25 22:46	PB170206
117-84-0	Di-n-octyl phthalate	1900		1	96.4	300	370	ug/Kg	11/03/25 22:46	PB170206
205-99-2	Benzo(b)fluoranthene	1900		1	21.1	140	190	ug/Kg	11/03/25 22:46	PB170206
207-08-9	Benzo(k)fluoranthene	1900		1	24.9	140	190	ug/Kg	11/03/25 22:46	PB170206
50-32-8	Benzo(a)pyrene	1900		1	32.7	140	190	ug/Kg	11/03/25 22:46	PB170206
193-39-5	Indeno(1,2,3-cd)pyrene	1900		1	32.3	140	190	ug/Kg	11/03/25 22:46	PB170206
53-70-3	Dibenzo(a,h)anthracene	1900		1	30.4	140	190	ug/Kg	11/03/25 22:46	PB170206
191-24-2	Benzo(g,h,i)perylene	1900		1	28.5	140	190	ug/Kg	11/03/25 22:46	PB170206
95-94-3	1,2,4,5-Tetrachlorobenzene	2100		1	28.4	140	190	ug/Kg	11/03/25 22:46	PB170206
123-91-1	1,4-Dioxane	1200		1	50.2	140	190	ug/Kg	11/03/25 22:46	PB170206
58-90-2	2,3,4,6-Tetrachlorophenol	2200		1	30.4	140	190	ug/Kg	11/03/25 22:46	PB170206

SURROGATES

367-12-4	2-Fluorophenol	91.1			35 - 115	61%	SPK: 150
13127-88-3	Phenol-d6	98.9			34 - 127	66%	SPK: 150
4165-60-0	Nitrobenzene-d5	74.1			37 - 122	74%	SPK: 100
321-60-8	2-Fluorobiphenyl	60.0			44 - 115	60%	SPK: 100
118-79-6	2,4,6-Tribromophenol	121			39 - 132	81%	SPK: 150
1718-51-0	Terphenyl-d14	60.6			54 - 127	61%	SPK: 100

INTERNAL STANDARDS

		Area Count
3855-82-1	1,4-Dichlorobenzene-d4	29900
1146-65-2	Naphthalene-d8	119000
15067-26-2	Acenaphthene-d10	97600
1517-22-2	Phenanthrene-d10	238000
1719-03-5	Chrysene-d12	275000
1520-96-3	Perylene-d12	303000

Report of Analysis

Client:	ICE Service Group, Inc.	Date Collected:	10/20/25
Project:	NWIRP Northrup Grumman Site – Bethpage, NY	Date Received:	10/20/25
Client Sample ID:	COMP-ROLLOFFMSD	SDG No.:	Q3399
Lab Sample ID:	Q3399-01MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	89.9
	Level: LOW	Test:	SVOC-TCL BNA -20
Sample Wt/Vol:	30.06 g		
	Final Vol: 1000 uL		
Prep Method :	SW3541		
	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



CALIBRATION SUMMARY

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
 Method File : 8270-BG102425.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri Oct 24 16:40:26 2025
 Response Via : Initial Calibration

Calibration Files

2.5 =BG064569.D 5 =BG064570.D 10 =BG064571.D 20 =BG064572.D 40 =BG064573.D 50 =BG064576.D 60 =BG064574.D 80 =BG064575.D

Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----									
2) 1,4-Dioxane		0.570	0.581	0.524	0.525	0.474	0.559	0.460	0.528	8.85
3) Pyridine		1.630	1.608	1.552	1.669	1.471	1.733	1.427	1.584	6.84
4) n-Nitrosodimet...			0.912	0.807	0.900	0.780	0.921	0.776	0.850	8.08
5) S 2-Fluorophenol		1.098	1.207	1.155	1.292	1.139	1.318	1.132	1.192	7.09
6) Aniline		2.203	2.320	2.131	2.386	2.090	2.440	2.004	2.225	7.28
7) S Phenol-d6		1.469	1.654	1.566	1.771	1.597	1.864	1.524	1.635	8.55
8) 2-Chlorophenol		1.051	1.207	1.197	1.373	1.225	1.461	1.216	1.247	10.65
9) Benzaldehyde			0.942	0.994	0.940	0.836	0.981	0.662	0.893	14.09
10) C Phenol		1.665	1.820	1.748	1.944	1.761	2.027	1.693	1.808	7.36
11) bis(2-Chloroet...		2.203	2.320	2.131	2.386	2.090	2.440	2.004	2.225	7.28
12) 1,3-Dichlorobe...		1.435	1.516	1.394	1.520	1.342	1.542	1.299	1.435	6.62
13) C 1,4-Dichlorobe...		1.431	1.546	1.442	1.534	1.381	1.561	1.323	1.460	6.21
14) 1,2-Dichlorobe...		1.371	1.518	1.364	1.483	1.316	1.520	1.283	1.408	6.97
15) Benzyl Alcohol			1.281	1.263	1.425	1.306	1.533	1.283	1.348	7.97
16) 2,2'-oxybis(1-...		3.421	3.604	3.396	3.733	3.301	3.802	3.154	3.487	6.74
17) 2-Methylphenol		0.548	0.670	0.646	0.745	0.677	0.793	0.638	0.674	11.71
18) Hexachloroethane		0.468	0.535	0.505	0.541	0.496	0.557	0.483	0.512	6.41
19) P n-Nitroso-di-n...	1.044	1.038	1.141	1.129	1.227	1.115	1.289	1.057	1.130	7.93
20) 3+4-Methylphenols			1.652	1.581	1.818	1.612	1.895	1.571	1.688	8.04
21) I Naphthalene-d8	-----ISTD-----									
22) Acetophenone		0.535	0.565	0.528	0.584	0.516	0.590	0.509	0.547	6.04
23) S Nitrobenzene-d5		0.239	0.286	0.314	0.377	0.356	0.403	0.356	0.333	17.02
24) Nitrobenzene		0.274	0.312	0.344	0.410	0.377	0.438	0.380	0.362	15.64
25) Isophorone		0.751	0.796	0.771	0.869	0.764	0.891	0.751	0.799	7.25
26) C 2-Nitrophenol		0.076	0.095	0.110	0.137	0.135	0.152	0.144	0.121	23.20
27) 2,4-Dimethylph...		0.236	0.294	0.285	0.335	0.309	0.359	0.303	0.303	12.88
28) bis(2-Chloroet...		0.452	0.464	0.443	0.490	0.426	0.493	0.417	0.455	6.48
29) C 2,4-Dichloroph...		0.243	0.299	0.315	0.360	0.327	0.373	0.322	0.320	13.34
30) 1,2,4-Trichlor...		0.338	0.369	0.348	0.391	0.349	0.399	0.349	0.363	6.44
31) Naphthalene		1.083	1.144	1.084	1.177	1.036	1.201	1.037	1.109	5.96
32) Benzoic acid			0.100	0.143	0.204	0.215	0.245	0.229	0.189	29.61
33) 4-Chloroaniline		0.390	0.456	0.411	0.459	0.410	0.486	0.405	0.431	8.29
34) C Hexachlorobuta...		0.266	0.291	0.282	0.299	0.271	0.306	0.273	0.284	5.33
35) Caprolactam			0.112	0.114	0.134	0.118	0.142	0.116	0.123	9.85
36) C 4-Chloro-3-met...		0.323	0.381	0.361	0.426	0.376	0.454	0.370	0.384	11.18
37) 2-Methylnaphth...		0.764	0.858	0.797	0.865	0.772	0.888	0.755	0.814	6.74
38) 1-Methylnaphth...		0.764	0.849	0.776	0.853	0.752	0.878	0.735	0.801	7.18

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
 Method File : 8270-BG102425.M

39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.657	0.684	0.648	0.702	0.633	0.717	0.657	0.671	4.55
41) P	Hexachlorocycl...		0.268	0.279	0.324	0.297	0.340	0.305	0.302	8.97
42) S	2,4,6-Tribromo...	0.221	0.266	0.272	0.318	0.292	0.346	0.306	0.289	14.04
43) C	2,4,6-Trichlor...	0.294	0.333	0.375	0.423	0.399	0.456	0.408	0.384	14.41
44)	2,4,5-Trichlor...	0.339	0.425	0.439	0.484	0.443	0.517	0.454	0.443	12.48
45) S	2-Fluorobiphenyl	1.310	1.389	1.306	1.384	1.235	1.384	1.228	1.319	5.24
46)	1,1'-Biphenyl	1.456	1.450	1.401	1.489	1.326	1.498	1.333	1.422	4.98
47)	2-Chloronaphth...	1.065	1.082	1.053	1.132	1.013	1.145	1.023	1.073	4.71
48)	2-Nitroaniline	0.201	0.234	0.277	0.348	0.343	0.404	0.367	0.311	24.06
49)	Acenaphthylene	1.667	1.726	1.647	1.786	1.593	1.827	1.604	1.693	5.30
50)	Dimethylphthalate	1.389	1.570	1.488	1.641	1.462	1.699	1.462	1.530	7.21
51)	2,6-Dinitrotol...	0.127	0.180	0.193	0.247	0.244	0.283	0.254	0.218	24.69
52) C	Acenaphthene	1.126	1.178	1.115	1.223	1.093	1.261	1.101	1.157	5.63
53)	3-Nitroaniline	0.180	0.211	0.252	0.294	0.281	0.325	0.297	0.263	19.70
54) P	2,4-Dinitrophenol		0.086	0.110	0.137	0.139	0.165	0.154	0.132	22.11
55)	Dibenzofuran	1.881	1.972	1.826	1.963	1.734	1.988	1.725	1.870	5.96
56) P	4-Nitrophenol		0.191	0.213	0.261	0.250	0.283	0.267	0.244	14.40
57)	2,4-Dinitrotol...	0.223	0.269	0.300	0.385	0.373	0.434	0.396	0.340	22.67
58)	Fluorene	1.471	1.559	1.426	1.531	1.356	1.549	1.329	1.460	6.38
59)	2,3,4,6-Tetrac...	0.312	0.385	0.402	0.466	0.444	0.508	0.449	0.424	15.04
60)	Diethylphthalate	1.417	1.645	1.514	1.657	1.486	1.718	1.502	1.563	7.06
61)	4-Chlorophenyl...	0.800	0.864	0.792	0.866	0.763	0.888	0.763	0.820	6.38
62)	4-Nitroaniline	0.194	0.252	0.286	0.327	0.310	0.355	0.324	0.293	18.55
63)	Azobenzene	1.362	1.504	1.377	1.538	1.338	1.564	1.353	1.434	6.80
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...		0.055	0.064	0.083	0.083	0.097	0.093	0.079	21.00
66) c	n-Nitrosodiphe...	0.510	0.551	0.525	0.583	0.518	0.594	0.500	0.540	6.79
67)	4-Bromophenyl-...	0.218	0.236	0.230	0.258	0.229	0.264	0.224	0.237	7.28
68)	Hexachlorobenzene	0.254	0.266	0.262	0.292	0.260	0.302	0.256	0.270	6.99
69)	Atrazine	0.215	0.227	0.249	0.245	0.219	0.261	0.211	0.232	8.27
70) C	Pentachlorophenol		0.132	0.152	0.180	0.172	0.199	0.177	0.169	13.91
71)	Phenanthrene	1.084	1.133	1.073	1.162	1.020	1.179	1.005	1.094	6.17
72)	Anthracene	1.087	1.144	1.101	1.187	1.041	1.204	1.025	1.113	6.17
73)	Carbazole	0.982	1.037	0.982	1.031	0.910	1.028	0.897	0.981	5.90
74)	Di-n-butylphth...	1.011	1.156	1.179	1.240	1.084	1.198	1.075	1.134	7.11
75) C	Fluoranthene	1.385	1.463	1.380	1.440	1.273	1.403	1.247	1.370	5.91
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine		0.392	0.475	0.490	0.416	0.533	0.383	0.448	13.40
78)	Pyrene	1.287	1.331	1.284	1.411	1.233	1.406	1.196	1.307	6.24
79) S	Terphenyl-d14	1.074	1.120	1.066	1.142	0.987	1.102	0.928	1.060	7.21
80)	Butylbenzylphth...	0.284	0.359	0.388	0.450	0.408	0.467	0.410	0.395	15.43
81)	Benzo(a)anthra...	1.294	1.355	1.292	1.416	1.253	1.430	1.243	1.326	5.71
82)	3,3'-Dichlorob...		0.418	0.428	0.477	0.424	0.486	0.424	0.443	6.88
83)	Chrysene	1.249	1.291	1.229	1.344	1.188	1.359	1.173	1.262	5.76
84)	Bis(2-ethylhex...	0.484	0.555	0.581	0.671	0.585	0.667	0.588	0.590	10.95
85) c	Di-n-octyl pht...		0.871	0.932	1.087	0.976	1.117	0.986	0.995	9.32

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG102425.M

86) I	Perylene-d12	-----ISTD-----								
87)	Indeno(1,2,3-c...	1.383	1.491	1.410	1.568	1.396	1.642	1.410	1.471	6.80
88)	Benzo(b)fluora...	1.138	1.246	1.169	1.322	1.173	1.353	1.183	1.226	6.77
89)	Benzo(k)fluora...	1.175	1.260	1.206	1.285	1.151	1.364	1.149	1.227	6.51
90) C	Benzo(a)pyrene	1.061	1.144	1.093	1.202	1.067	1.246	1.079	1.127	6.42
91)	Dibenzo(a,h)an...	1.120	1.223	1.158	1.268	1.130	1.324	1.143	1.195	6.55
92)	Benzo(g,h,i)pe...	1.383	1.491	1.410	1.568	1.396	1.642	1.410	1.471	6.80

(#) = Out of Range

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>ICES02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3399</u>
Instrument ID:	<u>BNA_G</u>	Calibration Date/Time:	<u>11/03/2025 14:35</u>
Lab File ID:	<u>BG064672.D</u>	Init. Calib. Date(s):	<u>10/24/2025 10/24/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>09:00 15:32</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.192	1.179		-1.1	
Benzaldehyde	0.893	0.823		-7.8	
Phenol-d6	1.635	1.619		-1.0	
Phenol	1.808	1.736		-4.0	20.0
bis(2-Chloroethyl)ether	1.329	1.260		-5.2	
2-Chlorophenol	1.247	1.336		7.1	
2-Methylphenol	1.201	1.202		0.1	
2,2-oxybis(1-Chloropropane)	3.487	3.429		-1.7	
Acetophenone	0.547	0.551		0.7	
3+4-Methylphenols	1.688	1.601		-5.2	
n-Nitroso-di-n-propylamine	1.130	1.137	0.050	0.6	
Nitrobenzene-d5	0.333	0.403		21.0	
Hexachloroethane	0.512	0.537		4.9	
Nitrobenzene	0.362	0.421		16.3	
Isophorone	0.799	0.796		-0.4	
2-Nitrophenol	0.121	0.170		40.5	20.0
2,4-Dimethylphenol	0.297	0.307		3.4	
bis(2-Chloroethoxy)methane	0.455	0.446		-2.0	
2,4-Dichlorophenol	0.320	0.345		7.8	20.0
Naphthalene	1.109	1.156		4.2	
4-Chloroaniline	0.431	0.428		-0.7	
Hexachlorobutadiene	0.284	0.314		10.6	20.0
Caprolactam	0.123	0.112		-8.9	
4-Chloro-3-methylphenol	0.384	0.406		5.7	20.0
2-Methylnaphthalene	0.814	0.866		6.4	
Hexachlorocyclopentadiene	0.302	0.364	0.050	20.5	
2,4,6-Trichlorophenol	0.384	0.447		16.4	20.0
2-Fluorobiphenyl	1.319	1.400		6.1	
2,4,5-Trichlorophenol	0.443	0.492		11.1	
1,1-Biphenyl	1.422	1.477		3.9	
2-Chloronaphthalene	1.073	1.143		6.5	
2-Nitroaniline	0.311	0.391		25.7	
Dimethylphthalate	1.530	1.584		3.5	
Acenaphthylene	1.693	1.776		4.9	
2,6-Dinitrotoluene	0.218	0.279		28.0	
3-Nitroaniline	0.263	0.317		20.5	
Acenaphthene	1.157	1.235		6.7	20.0
2,4-Dinitrophenol	0.132	0.171	0.050	29.5	
4-Nitrophenol	0.244	0.243	0.050	-0.4	

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>ICES02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3399</u>
Instrument ID:	<u>BNA_G</u>	Calibration Date/Time:	<u>11/03/2025 14:35</u>
Lab File ID:	<u>BG064672.D</u>	Init. Calib. Date(s):	<u>10/24/2025 10/24/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>09:00 15:32</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.870	1.929		3.2	
2,4-Dinitrotoluene	0.340	0.451		32.6	
Diethylphthalate	1.563	1.594		2.0	
4-Chlorophenyl-phenylether	0.820	0.875		6.7	
Fluorene	1.460	1.503		2.9	
4-Nitroaniline	0.293	0.341		16.4	
4,6-Dinitro-2-methylphenol	0.079	0.112		41.8	
n-Nitrosodiphenylamine	0.540	0.566		4.8	20.0
2,4,6-Tribromophenol	0.289	0.342		18.3	
4-Bromophenyl-phenylether	0.237	0.258		8.9	
Hexachlorobenzene	0.270	0.299		10.7	
Atrazine	0.232	0.242		4.3	
Pentachlorophenol	0.169	0.195		15.4	20.0
Phenanthrene	1.094	1.153		5.4	
Anthracene	1.113	1.163		4.5	
Carbazole	0.981	1.031		5.1	
Di-n-butylphthalate	1.135	1.221		7.6	
Fluoranthene	1.370	1.482		8.2	20.0
Pyrene	1.307	1.325		1.4	
Terphenyl-d14	1.060	1.116		5.3	
Butylbenzylphthalate	0.395	0.457		15.7	
3,3-Dichlorobenzidine	0.443	0.488		10.2	
Benzo (a) anthracene	1.326	1.414		6.6	
Chrysene	1.262	1.320		4.6	
Bis(2-ethylhexyl)phthalate	0.590	0.658		11.5	
Di-n-octyl phthalate	0.995	1.119		12.5	20.0
Benzo (b) fluoranthene	1.226	1.306		6.5	
Benzo (k) fluoranthene	1.227	1.268		3.3	
Benzo (a) pyrene	1.127	1.180		4.7	20.0
Indeno (1,2,3-cd) pyrene	1.471	1.544		5.0	
Dibenzo (a,h) anthracene	1.195	1.258		5.3	
Benzo (g,h,i) perylene	1.142	1.186		3.9	
1,2,4,5-Tetrachlorobenzene	0.671	0.718		7.0	
1,4-Dioxane	0.528	0.465		-11.9	20.0
2,3,4,6-Tetrachlorophenol	0.424	0.498		17.5	

All other compounds must meet a minimum RRF of 0.010.

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>ICES02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3399</u>
Instrument ID:	<u>BNA_G</u>	Calibration Date/Time:	<u>11/03/2025 23:27</u>
Lab File ID:	<u>BG064685.D</u>	Init. Calib. Date(s):	<u>10/24/2025 10/24/2025</u>
EPA Sample No.:	<u>SSTDCCC040EC</u>	Init. Calib. Time(s):	<u>09:00 15:32</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.192	1.219		2.3	50.0
Benzaldehyde	0.893	0.893		0.0	50.0
Phenol-d6	1.635	1.692		3.5	50.0
Phenol	1.808	1.851		2.4	50.0
bis(2-Chloroethyl)ether	1.329	1.297		-2.4	50.0
2-Chlorophenol	1.247	1.371		9.9	50.0
2-Methylphenol	1.201	1.233		2.7	50.0
2,2-oxybis(1-Chloropropane)	3.487	3.201		-8.2	50.0
Acetophenone	0.547	0.547		0.0	50.0
3+4-Methylphenols	1.688	1.731		2.5	50.0
n-Nitroso-di-n-propylamine	1.130	1.089	0.050	-3.6	50.0
Nitrobenzene-d5	0.333	0.413		24.0	50.0
Hexachloroethane	0.512	0.554		8.2	50.0
Nitrobenzene	0.362	0.425		17.4	50.0
Isophorone	0.799	0.784		-1.9	50.0
2-Nitrophenol	0.121	0.193		59.5	50.0
2,4-Dimethylphenol	0.297	0.313		5.4	50.0
bis(2-Chloroethoxy)methane	0.455	0.448		-1.5	50.0
2,4-Dichlorophenol	0.320	0.380		18.8	50.0
Naphthalene	1.109	1.162		4.8	50.0
4-Chloroaniline	0.431	0.443		2.8	50.0
Hexachlorobutadiene	0.284	0.337		18.7	50.0
Caprolactam	0.123	0.110		-10.6	50.0
4-Chloro-3-methylphenol	0.384	0.430		12.0	50.0
2-Methylnaphthalene	0.814	0.877		7.7	50.0
Hexachlorocyclopentadiene	0.302	0.384	0.050	27.2	50.0
2,4,6-Trichlorophenol	0.384	0.469		22.1	50.0
2-Fluorobiphenyl	1.319	1.442		9.3	50.0
2,4,5-Trichlorophenol	0.443	0.507		14.4	50.0
1,1-Biphenyl	1.422	1.491		4.9	50.0
2-Chloronaphthalene	1.073	1.143		6.5	50.0
2-Nitroaniline	0.311	0.410		31.8	50.0
Dimethylphthalate	1.530	1.618		5.8	50.0
Acenaphthylene	1.693	1.806		6.7	50.0
2,6-Dinitrotoluene	0.218	0.317		45.4	50.0
3-Nitroaniline	0.263	0.343		30.4	50.0
Acenaphthene	1.157	1.250		8.0	50.0
2,4-Dinitrophenol	0.132	0.140	0.050	6.1	50.0
4-Nitrophenol	0.244	0.219	0.050	-10.2	50.0

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>ICES02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3399</u>
Instrument ID:	<u>BNA_G</u>	Calibration Date/Time:	<u>11/03/2025 23:27</u>
Lab File ID:	<u>BG064685.D</u>	Init. Calib. Date(s):	<u>10/24/2025 10/24/2025</u>
EPA Sample No.:	<u>SSTDCCC040EC</u>	Init. Calib. Time(s):	<u>09:00 15:32</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.870	1.992		6.5	50.0
2,4-Dinitrotoluene	0.340	0.486		42.9	50.0
Diethylphthalate	1.563	1.606		2.8	50.0
4-Chlorophenyl-phenylether	0.820	0.941		14.8	50.0
Fluorene	1.460	1.562		7.0	50.0
4-Nitroaniline	0.293	0.360		22.9	50.0
4,6-Dinitro-2-methylphenol	0.079	0.115		45.6	50.0
n-Nitrosodiphenylamine	0.540	0.558		3.3	50.0
2,4,6-Tribromophenol	0.289	0.386		33.6	50.0
4-Bromophenyl-phenylether	0.237	0.269		13.5	50.0
Hexachlorobenzene	0.270	0.310		14.8	50.0
Atrazine	0.232	0.240		3.4	50.0
Pentachlorophenol	0.169	0.085		-49.7	50.0
Phenanthrene	1.094	1.127		3.0	50.0
Anthracene	1.113	1.150		3.3	50.0
Carbazole	0.981	0.988		0.7	50.0
Di-n-butylphthalate	1.135	1.155		1.8	50.0
Fluoranthene	1.370	1.467		7.1	50.0
Pyrene	1.307	1.267		-3.1	50.0
Terphenyl-d14	1.060	1.087		2.5	50.0
Butylbenzylphthalate	0.395	0.435		10.1	50.0
3,3-Dichlorobenzidine	0.443	0.479		8.1	50.0
Benzo (a) anthracene	1.326	1.382		4.2	50.0
Chrysene	1.262	1.316		4.3	50.0
Bis (2-ethylhexyl) phthalate	0.590	0.625		5.9	50.0
Di-n-octyl phthalate	0.995	1.082		8.7	50.0
Benzo (b) fluoranthene	1.226	1.263		3.0	50.0
Benzo (k) fluoranthene	1.227	1.262		2.9	50.0
Benzo (a) pyrene	1.127	1.168		3.6	50.0
Indeno (1,2,3-cd) pyrene	1.471	1.514		2.9	50.0
Dibenzo (a,h) anthracene	1.195	1.241		3.8	50.0
Benzo (g,h,i) perylene	1.142	1.175		2.9	50.0
1,2,4,5-Tetrachlorobenzene	0.671	0.779		16.1	50.0
1,4-Dioxane	0.528	0.425		-19.5	50.0
2,3,4,6-Tetrachlorophenol	0.424	0.476		12.3	50.0

All other compounds must meet a minimum RRF of 0.010.