

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	10/22/25	10/20/25
Q3399-02	COMP-ROLLOFF	TCLP	TCLP BNA	8270E	10/20/25	10/22/25	10/22/25	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	Benzophenone	*	200.000	J	0	0	ug/Kg
Q3399-01	COMP-ROLLOFF	SOIL	n-Hexadecanoic acid	*	130.000	J	0	0	ug/Kg
Q3399-01	COMP-ROLLOFF	SOIL	Pentafluoropropionic acid, pentad	*	170.000	J	0	0	ug/Kg
Total Tics :					500.00				
Total Concentration:					500.00				



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 : SW3510C 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	10/22/25 15:49	PB170206
108-95-2	Phenol	140	U	1	24.5	140	190	ug/Kg	10/22/25 15:49	PB170206
111-44-4	bis(2-Chloroethyl)ether	140	U	1	26.9	140	190	ug/Kg	10/22/25 15:49	PB170206
95-57-8	2-Chlorophenol	140	U	1	27.1	140	190	ug/Kg	10/22/25 15:49	PB170206
95-48-7	2-Methylphenol	140	U	1	33.2	140	190	ug/Kg	10/22/25 15:49	PB170206
108-60-1	2,2-oxybis(1-Chloropropane)	140	U	1	41.6	140	190	ug/Kg	10/22/25 15:49	PB170206
98-86-2	Acetophenone	140	U	1	32.7	140	190	ug/Kg	10/22/25 15:49	PB170206
65794-96-9	3+4-Methylphenols	300	U	1	45.6	300	370	ug/Kg	10/22/25 15:49	PB170206
621-64-7	n-Nitroso-di-n-propylamine	88.7	U	1	52.6	88.7	88.7	ug/Kg	10/22/25 15:49	PB170206
67-72-1	Hexachloroethane	140	U	1	19.5	140	190	ug/Kg	10/22/25 15:49	PB170206
98-95-3	Nitrobenzene	140	U	1	20.3	140	190	ug/Kg	10/22/25 15:49	PB170206
78-59-1	Isophorone	140	U	1	36.4	140	190	ug/Kg	10/22/25 15:49	PB170206
88-75-5	2-Nitrophenol	140	U	1	64.5	140	190	ug/Kg	10/22/25 15:49	PB170206
105-67-9	2,4-Dimethylphenol	140	U	1	71.9	140	190	ug/Kg	10/22/25 15:49	PB170206
111-91-1	bis(2-Chloroethoxy)methane	140	U	1	34.2	140	190	ug/Kg	10/22/25 15:49	PB170206
120-83-2	2,4-Dichlorophenol	140	U	1	31.4	140	190	ug/Kg	10/22/25 15:49	PB170206
91-20-3	Naphthalene	140	U	1	25.2	140	190	ug/Kg	10/22/25 15:49	PB170206
106-47-8	4-Chloroaniline	140	U	1	39.3	140	190	ug/Kg	10/22/25 15:49	PB170206
87-68-3	Hexachlorobutadiene	140	U	1	28.1	140	190	ug/Kg	10/22/25 15:49	PB170206
105-60-2	Caprolactam	300	U	1	57.8	300	370	ug/Kg	10/22/25 15:49	PB170206
59-50-7	4-Chloro-3-methylphenol	140	U	1	31.8	140	190	ug/Kg	10/22/25 15:49	PB170206
91-57-6	2-Methylnaphthalene	140	U	1	28.4	140	190	ug/Kg	10/22/25 15:49	PB170206
77-47-4	Hexachlorocyclopentadiene	300	UQ	1	130	300	370	ug/Kg	10/22/25 15:49	PB170206
88-06-2	2,4,6-Trichlorophenol	140	U	1	22.0	140	190	ug/Kg	10/22/25 15:49	PB170206
95-95-4	2,4,5-Trichlorophenol	140	U	1	32.3	140	190	ug/Kg	10/22/25 15:49	PB170206
92-52-4	1,1-Biphenyl	140	U	1	24.2	140	190	ug/Kg	10/22/25 15:49	PB170206
91-58-7	2-Chloronaphthalene	140	U	1	25.0	140	190	ug/Kg	10/22/25 15:49	PB170206
88-74-4	2-Nitroaniline	140	U	1	53.3	140	190	ug/Kg	10/22/25 15:49	PB170206
131-11-3	Dimethylphthalate	140	U	1	30.1	140	190	ug/Kg	10/22/25 15:49	PB170206
208-96-8	Acenaphthylene	140	U	1	32.1	140	190	ug/Kg	10/22/25 15:49	PB170206
606-20-2	2,6-Dinitrotoluene	140	U	1	37.3	140	190	ug/Kg	10/22/25 15:49	PB170206
99-09-2	3-Nitroaniline	140	U	1	51.0	140	190	ug/Kg	10/22/25 15:49	PB170206
83-32-9	Acenaphthene	140	U	1	23.6	140	190	ug/Kg	10/22/25 15:49	PB170206
51-28-5	2,4-Dinitrophenol	300	U	1	250	300	370	ug/Kg	10/22/25 15:49	PB170206
100-02-7	4-Nitrophenol	300	U	1	120	300	370	ug/Kg	10/22/25 15:49	PB170206
132-64-9	Dibenzofuran	140	U	1	25.2	140	190	ug/Kg	10/22/25 15:49	PB170206
121-14-2	2,4-Dinitrotoluene	140	U	1	55.6	140	190	ug/Kg	10/22/25 15:49	PB170206
84-66-2	Diethylphthalate	140	U	1	31.4	140	190	ug/Kg	10/22/25 15:49	PB170206
7005-72-3	4-Chlorophenyl-phenylether	140	U	1	29.6	140	190	ug/Kg	10/22/25 15:49	PB170206
86-73-7	Fluorene	140	U	1	28.1	140	190	ug/Kg	10/22/25 15:49	PB170206
100-01-6	4-Nitroaniline	140	U	1	71.2	140	190	ug/Kg	10/22/25 15:49	PB170206
534-52-1	4,6-Dinitro-2-methylphenol	300	U	1	110	300	370	ug/Kg	10/22/25 15:49	PB170206

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 : SW3510C 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
86-30-6	n-Nitrosodiphenylamine	140	U	1	36.5	140	190	ug/Kg	10/22/25 15:49	PB170206
101-55-3	4-Bromophenyl-phenylether	140	U	1	30.8	140	190	ug/Kg	10/22/25 15:49	PB170206
118-74-1	Hexachlorobenzene	140	U	1	28.1	140	190	ug/Kg	10/22/25 15:49	PB170206
1912-24-9	Atrazine	140	U	1	37.7	140	190	ug/Kg	10/22/25 15:49	PB170206
87-86-5	Pentachlorophenol	300	U	1	56.9	300	370	ug/Kg	10/22/25 15:49	PB170206
85-01-8	Phenanthrene	140	U	1	23.2	140	190	ug/Kg	10/22/25 15:49	PB170206
120-12-7	Anthracene	140	U	1	36.9	140	190	ug/Kg	10/22/25 15:49	PB170206
86-74-8	Carbazole	140	U	1	34.6	140	190	ug/Kg	10/22/25 15:49	PB170206
84-74-2	Di-n-butylphthalate	140	U	1	53.1	140	190	ug/Kg	10/22/25 15:49	PB170206
206-44-0	Fluoranthene	140	U	1	33.3	140	190	ug/Kg	10/22/25 15:49	PB170206
129-00-0	Pyrene	140	U	1	39.9	140	190	ug/Kg	10/22/25 15:49	PB170206
85-68-7	Butylbenzylphthalate	140	U	1	79.2	140	190	ug/Kg	10/22/25 15:49	PB170206
91-94-1	3,3-Dichlorobenzidine	300	U	1	40.7	300	370	ug/Kg	10/22/25 15:49	PB170206
56-55-3	Benzo(a)anthracene	140	U	1	25.5	140	190	ug/Kg	10/22/25 15:49	PB170206
218-01-9	Chrysene	140	U	1	22.1	140	190	ug/Kg	10/22/25 15:49	PB170206
117-81-7	Bis(2-ethylhexyl)phthalate	140	U	1	65.7	140	190	ug/Kg	10/22/25 15:49	PB170206
117-84-0	Di-n-octyl phthalate	300	U	1	96.3	300	370	ug/Kg	10/22/25 15:49	PB170206
205-99-2	Benzo(b)fluoranthene	140	U	1	21.1	140	190	ug/Kg	10/22/25 15:49	PB170206
207-08-9	Benzo(k)fluoranthene	140	U	1	24.8	140	190	ug/Kg	10/22/25 15:49	PB170206
50-32-8	Benzo(a)pyrene	140	U	1	32.7	140	190	ug/Kg	10/22/25 15:49	PB170206
193-39-5	Indeno(1,2,3-cd)pyrene	140	U	1	32.3	140	190	ug/Kg	10/22/25 15:49	PB170206
53-70-3	Dibenzo(a,h)anthracene	140	U	1	30.4	140	190	ug/Kg	10/22/25 15:49	PB170206
191-24-2	Benzo(g,h,i)perylene	140	U	1	28.5	140	190	ug/Kg	10/22/25 15:49	PB170206
95-94-3	1,2,4,5-Tetrachlorobenzene	140	UM	1	28.4	140	190	ug/Kg	10/22/25 15:49	PB170206
123-91-1	1,4-Dioxane	140	UQ	1	50.1	140	190	ug/Kg	10/22/25 15:49	PB170206
58-90-2	2,3,4,6-Tetrachlorophenol	140	U	1	30.4	140	190	ug/Kg	10/22/25 15:49	PB170206

SURROGATES

367-12-4	2-Fluorophenol	93.5			35 - 115	62%	SPK: 150
13127-88-3	Phenol-d6	89.9			34 - 127	60%	SPK: 150
4165-60-0	Nitrobenzene-d5	67.4			37 - 122	67%	SPK: 100
321-60-8	2-Fluorobiphenyl	70.9			44 - 115	71%	SPK: 100
118-79-6	2,4,6-Tribromophenol	107			39 - 132	71%	SPK: 150
1718-51-0	Terphenyl-d14	48.6	*		54 - 127	49%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	58600
1146-65-2	Naphthalene-d8	216000
15067-26-2	Acenaphthene-d10	106000
1517-22-2	Phenanthrene-d10	184000
1719-03-5	Chrysene-d12	180000
1520-96-3	Perylene-d12	217000

TENTATIVE IDENTIFIED COMPOUNDS

000119-61-9	Benzophenone	200	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	130	J		11.9	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 :	SW3510C		
	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
959092-08-1	Pentafluoropropionic acid, pentade	170	J				13.9	ug/Kg		

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	125	84		35	115
		Phenol-d6	150	129	86		34	127
		Nitrobenzene-d5	100	86.7	87		37	122
		2-Fluorobiphenyl	100	84.7	85		44	115
		2,4,6-Tribromophenol	150	152	102		39	132
		Terphenyl-d14	100	105	105		54	127
PB170206BS	PB170206BS	2-Fluorophenol	150	108	72		35	115
		Phenol-d6	150	112	75		34	127
		Nitrobenzene-d5	100	78.4	78		37	122
		2-Fluorobiphenyl	100	77.8	78		44	115
		2,4,6-Tribromophenol	150	121	81		39	132
		Terphenyl-d14	100	95.7	96		54	127
Q3399-01	COMP-ROLLOFF	2-Fluorophenol	150	93.5	62		35	115
		Phenol-d6	150	89.9	60		34	127
		Nitrobenzene-d5	100	67.4	67		37	122
		2-Fluorobiphenyl	100	70.9	71		44	115
		2,4,6-Tribromophenol	150	107	71		39	132
		Terphenyl-d14	100	48.6	49	*	54	127
Q3399-01MS	COMP-ROLLOFFMS	2-Fluorophenol	150	90.7	60		35	115
		Phenol-d6	150	85.1	57		34	127
		Nitrobenzene-d5	100	66.5	66		37	122
		2-Fluorobiphenyl	100	64.8	65		44	115
		2,4,6-Tribromophenol	150	104	69		39	132
		Terphenyl-d14	100	50.5	51	*	54	127
Q3399-01MSD	COMP-ROLLOFFMSD	2-Fluorophenol	150	95.5	64		35	115
		Phenol-d6	150	89.5	60		34	127
		Nitrobenzene-d5	100	68.4	68		37	122
		2-Fluorobiphenyl	100	67.5	68		44	115
		2,4,6-Tribromophenol	150	105	70		39	132
		Terphenyl-d14	100	53.4	53	*	54	127

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3399

Analytical Method: SW8270E

Client: ICE Service Group, Inc.

DataFile: BF144045.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	920	ug/Kg	51				10	161	
Phenol	1800	0	1600	ug/Kg	89				34	121	
bis(2-Chloroethyl)ether	1800	0	1600	ug/Kg	89				31	120	
2-Chlorophenol	1800	0	1700	ug/Kg	94				34	121	
2-Methylphenol	1800	0	1600	ug/Kg	89				32	122	
2,2-oxybis(1-Chloropropane)	1800	0	1300	ug/Kg	72				33	131	
Acetophenone	1800	0	2000	ug/Kg	111				33	115	
3+4-Methylphenols	1800	0	1600	ug/Kg	89				34	119	
N-Nitroso-di-n-propylamine	1800	0	1500	ug/Kg	83				36	120	
Hexachloroethane	1800	0	1800	ug/Kg	100				28	117	
Nitrobenzene	1800	0	1800	ug/Kg	100				34	122	
Isophorone	1800	0	1700	ug/Kg	94				30	122	
2-Nitrophenol	1800	0	2000	ug/Kg	111				36	123	
2,4-Dimethylphenol	1800	0	1900	ug/Kg	106				30	127	
bis(2-Chloroethoxy)methane	1800	0	1700	ug/Kg	94				36	121	
2,4-Dichlorophenol	1800	0	1800	ug/Kg	100				40	122	
Naphthalene	1800	0	1800	ug/Kg	100				35	123	
4-Chloroaniline	1800	0	780	ug/Kg	43				17	106	
Hexachlorobutadiene	1800	0	2000	ug/Kg	111				32	123	
Caprolactam	1800	0	1600	ug/Kg	89				46	117	
4-Chloro-3-methylphenol	1800	0	1700	ug/Kg	94				45	122	
2-Methylnaphthalene	1800	0	1600	ug/Kg	89				38	122	
Hexachlorocyclopentadiene	3700	0	2500	ug/Kg	68				43	112	
2,4,6-Trichlorophenol	1800	0	1800	ug/Kg	100				39	126	
2,4,5-Trichlorophenol	1800	0	1800	ug/Kg	100				41	124	
1,1-Biphenyl	1800	0	2000	ug/Kg	111				40	117	
2-Chloronaphthalene	1800	0	1800	ug/Kg	100				41	114	
2-Nitroaniline	1800	0	1800	ug/Kg	100				44	127	
Dimethylphthalate	1800	0	1800	ug/Kg	100				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	1300	ug/Kg	72				33	119	
Acenaphthene	1800	0	1800	ug/Kg	100				40	123	
2,4-Dinitrophenol	3700	0	2800	ug/Kg	76				15	130	
4-Nitrophenol	3700	0	3100	ug/Kg	84				30	132	
Dibenzofuran	1800	0	1800	ug/Kg	100				44	120	
2,4-Dinitrotoluene	1800	0	2000	ug/Kg	111				48	126	
Diethylphthalate	1800	0	1800	ug/Kg	100				50	124	
4-Chlorophenyl-phenylether	1800	0	1800	ug/Kg	100				45	121	
Fluorene	1800	0	1800	ug/Kg	100				43	125	
4-Nitroaniline	1800	0	1700	ug/Kg	94				35	115	
4,6-Dinitro-2-methylphenol	1800	0	2000	ug/Kg	111				29	132	
N-Nitrosodiphenylamine	1800	0	1900	ug/Kg	106				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: BF144045.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Pentachlorophenol	3700	0	3500	ug/Kg	95				25	133	
Phenanthrene	1800	0	1800	ug/Kg	100				50	121	
Anthracene	1800	0	1900	ug/Kg	106				47	123	
Carbazole	1800	0	1900	ug/Kg	106				50	123	
Di-n-butylphthalate	1800	0	1900	ug/Kg	106				51	128	
Fluoranthene	1800	0	2000	ug/Kg	111				50	127	
Pyrene	1800	0	1400	ug/Kg	78				47	127	
Butylbenzylphthalate	1800	0	1700	ug/Kg	94				48	132	
3,3-Dichlorobenzidine	1800	0	1600	ug/Kg	89				22	121	
Benzo(a)anthracene	1800	0	1800	ug/Kg	100				49	126	
Chrysene	1800	0	1900	ug/Kg	106				50	124	
bis(2-Ethylhexyl)phthalate	1800	0	2000	ug/Kg	111				51	133	
Di-n-octyl phthalate	1800	0	2200	ug/Kg	122				45	140	
Benzo(b)fluoranthene	1800	0	1900	ug/Kg	106				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	1500	ug/Kg	83				45	133	
Dibenz(a,h)anthracene	1800	0	1600	ug/Kg	89				45	134	
Benzo(g,h,i)perylene	1800	0	1400	ug/Kg	78				43	134	
1,2,4,5-Tetrachlorobenzene	1800	0	2100	ug/Kg	117				37	119	
1,4-Dioxane	1800	0	1600	ug/Kg	89				70	130	
2,3,4,6-Tetrachlorophenol	1800	0	1900	ug/Kg	106				44	125	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3399

Analytical Method: SW8270E

Client: ICE Service Group, Inc.

DataFile: BF144046.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	990	ug/Kg	52	2			10	161	20
Phenol	1900	0	1700	ug/Kg	89	0			34	121	20
bis(2-Chloroethyl)ether	1900	0	1600	ug/Kg	84	6			31	120	20
2-Chlorophenol	1900	0	1800	ug/Kg	95	1			34	121	20
2-Methylphenol	1900	0	1700	ug/Kg	89	0			32	122	20
2,2-oxybis(1-Chloropropane)	1900	0	1400	ug/Kg	74	3			33	131	20
Acetophenone	1900	0	2000	ug/Kg	105	6			33	115	20
3+4-Methylphenols	1900	0	1700	ug/Kg	89	0			34	119	20
N-Nitroso-di-n-propylamine	1900	0	1700	ug/Kg	89	7			36	120	20
Hexachloroethane	1900	0	1900	ug/Kg	100	0			28	117	20
Nitrobenzene	1900	0	1900	ug/Kg	100	0			34	122	20
Isophorone	1900	0	1700	ug/Kg	89	5			30	122	20
2-Nitrophenol	1900	0	2100	ug/Kg	111	0			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	5			36	121	20
2,4-Dichlorophenol	1900	0	1800	ug/Kg	95	5			40	122	20
Naphthalene	1900	0	1800	ug/Kg	95	5			35	123	20
4-Chloroaniline	1900	0	760	ug/Kg	40	7			17	106	20
Hexachlorobutadiene	1900	0	2100	ug/Kg	111	0			32	123	20
Caprolactam	1900	0	1700	ug/Kg	89	0			46	117	20
4-Chloro-3-methylphenol	1900	0	1800	ug/Kg	95	1			45	122	20
2-Methylnaphthalene	1900	0	1700	ug/Kg	89	0			38	122	20
Hexachlorocyclopentadiene	3700	0	2800	ug/Kg	76	11			43	112	20
2,4,6-Trichlorophenol	1900	0	1900	ug/Kg	100	0			39	126	20
2,4,5-Trichlorophenol	1900	0	2000	ug/Kg	105	5			41	124	20
1,1-Biphenyl	1900	0	2100	ug/Kg	111	0			40	117	20
2-Chloronaphthalene	1900	0	1900	ug/Kg	100	0			41	114	20
2-Nitroaniline	1900	0	1900	ug/Kg	100	0			44	127	20
Dimethylphthalate	1900	0	1900	ug/Kg	100	0			48	124	20
Acenaphthylene	1900	0	2100	ug/Kg	111	0			32	132	20
2,6-Dinitrotoluene	1900	0	2200	ug/Kg	116	1			46	124	20
3-Nitroaniline	1900	0	1300	ug/Kg	68	6			33	119	20
Acenaphthene	1900	0	1900	ug/Kg	100	0			40	123	20
2,4-Dinitrophenol	3700	0	2800	ug/Kg	76	0			15	130	20
4-Nitrophenol	3700	0	3000	ug/Kg	81	4			30	132	20
Dibenzofuran	1900	0	1800	ug/Kg	95	5			44	120	20
2,4-Dinitrotoluene	1900	0	2100	ug/Kg	111	0			48	126	20
Diethylphthalate	1900	0	1900	ug/Kg	100	0			50	124	20
4-Chlorophenyl-phenylether	1900	0	1900	ug/Kg	100	0			45	121	20
Fluorene	1900	0	1900	ug/Kg	100	0			43	125	20
4-Nitroaniline	1900	0	1800	ug/Kg	95	1			35	115	20
4,6-Dinitro-2-methylphenol	1900	0	2200	ug/Kg	116	4			29	132	20
N-Nitrosodiphenylamine	1900	0	1900	ug/Kg	100	6			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	2100	ug/Kg	111	0			47	127	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3399

Analytical Method: SW8270E

Client: ICE Service Group, Inc.

DataFile: BF144046.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Pentachlorophenol	3700	0	3500	ug/Kg	95		0		25	133	20
Phenanthrene	1900	0	1900	ug/Kg	100		0		50	121	20
Anthracene	1900	0	1900	ug/Kg	100		6		47	123	20
Carbazole	1900	0	1900	ug/Kg	100		6		50	123	20
Di-n-butylphthalate	1900	0	1900	ug/Kg	100		6		51	128	20
Fluoranthene	1900	0	2000	ug/Kg	105		6		50	127	20
Pyrene	1900	0	1400	ug/Kg	74		5		47	127	20
Butylbenzylphthalate	1900	0	1800	ug/Kg	95		1		48	132	20
3,3-Dichlorobenzidine	1900	0	1700	ug/Kg	89		0		22	121	20
Benzo(a)anthracene	1900	0	1900	ug/Kg	100		0		49	126	20
Chrysene	1900	0	2000	ug/Kg	105		1		50	124	20
bis(2-Ethylhexyl)phthalate	1900	0	2100	ug/Kg	111		0		51	133	20
Di-n-octyl phthalate	1900	0	2300	ug/Kg	121		1		45	140	20
Benzo(b)fluoranthene	1900	0	1900	ug/Kg	100		6		45	132	20
Benzo(k)fluoranthene	1900	0	1800	ug/Kg	95		5		47	132	20
Benzo(a)pyrene	1900	0	2000	ug/Kg	105		1		45	129	20
Indeno(1,2,3-cd)pyrene	1900	0	1500	ug/Kg	79		5		45	133	20
Dibenz(a,h)anthracene	1900	0	1600	ug/Kg	84		6		45	134	20
Benzo(g,h,i)perylene	1900	0	1400	ug/Kg	74		5		43	134	20
1,2,4,5-Tetrachlorobenzene	1900	0	2300	ug/Kg	121	*	3		37	119	20
1,4-Dioxane	1900	0	1700	ug/Kg	89		0		70	130	20
2,3,4,6-Tetrachlorophenol	1900	0	2000	ug/Kg	105		1		44	125	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3399

Analytical Method:

8270E

Client: ICE Service Group, Inc.

DataFile:

BF144076.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB170206BS	Benzaldehyde	1700	830	ug/Kg	49				10	161	
	Phenol	1700	1300	ug/Kg	76				34	121	
	bis(2-Chloroethyl)ether	1700	1400	ug/Kg	82				31	120	
	2-Chlorophenol	1700	1300	ug/Kg	76				34	121	
	2-Methylphenol	1700	1400	ug/Kg	82				32	122	
	2,2-oxybis(1-Chloropropane)	1700	1400	ug/Kg	82				33	131	
	Acetophenone	1700	1600	ug/Kg	94				33	115	
	3+4-Methylphenols	1700	1400	ug/Kg	82				34	119	
	N-Nitroso-di-n-propylamine	1700	1500	ug/Kg	88				36	120	
	Hexachloroethane	1700	1300	ug/Kg	76				28	117	
	Nitrobenzene	1700	1400	ug/Kg	82				34	122	
	Isophorone	1700	1500	ug/Kg	88				30	122	
	2-Nitrophenol	1700	1500	ug/Kg	88				36	123	
	2,4-Dimethylphenol	1700	1600	ug/Kg	94				30	127	
	bis(2-Chloroethoxy)methane	1700	1500	ug/Kg	88				36	121	
	2,4-Dichlorophenol	1700	1400	ug/Kg	82				40	122	
	Naphthalene	1700	1400	ug/Kg	82				35	123	
	4-Chloroaniline	1700	770	ug/Kg	45				17	106	
	Hexachlorobutadiene	1700	1300	ug/Kg	76				32	123	
	Caprolactam	1700	1600	ug/Kg	94				46	117	
	4-Chloro-3-methylphenol	1700	1500	ug/Kg	88				45	122	
	2-Methylnaphthalene	1700	1300	ug/Kg	76				38	122	
	Hexachlorocyclopentadiene	3300	4500	ug/Kg	136		*		43	112	
	2,4,6-Trichlorophenol	1700	1400	ug/Kg	82				39	126	
	2,4,5-Trichlorophenol	1700	1500	ug/Kg	88				41	124	
	1,1-Biphenyl	1700	1500	ug/Kg	88				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	1600	ug/Kg	94				32	132	
	2,6-Dinitrotoluene	1700	1600	ug/Kg	94				46	124	
	3-Nitroaniline	1700	980	ug/Kg	58				33	119	
	Acenaphthene	1700	1500	ug/Kg	88				40	123	
	2,4-Dinitrophenol	3300	3200	ug/Kg	97				15	130	
	4-Nitrophenol	3300	2800	ug/Kg	85				30	132	
	Dibenzofuran	1700	1400	ug/Kg	82				44	120	
	2,4-Dinitrotoluene	1700	1500	ug/Kg	88				48	126	
	Diethylphthalate	1700	1500	ug/Kg	88				50	124	
	4-Chlorophenyl-phenylether	1700	1400	ug/Kg	82				45	121	
	Fluorene	1700	1400	ug/Kg	82				43	125	
	4-Nitroaniline	1700	1400	ug/Kg	82				35	115	
	4,6-Dinitro-2-methylphenol	1700	1400	ug/Kg	82				29	132	
	N-Nitrosodiphenylamine	1700	1500	ug/Kg	88				38	127	
	4-Bromophenyl-phenylether	1700	1400	ug/Kg	82				46	124	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3399

Analytical Method:

8270E

Client: ICE Service Group, Inc.

DataFile:

BF144076.D

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	1400	ug/Kg	82				47	127	
	Pentachlorophenol	3300	3000	ug/Kg	91				25	133	
	Phenanthrene	1700	1400	ug/Kg	82				50	121	
	Anthracene	1700	1400	ug/Kg	82				47	123	
	Carbazole	1700	1400	ug/Kg	82				50	123	
	Di-n-butylphthalate	1700	1300	ug/Kg	76				51	128	
	Fluoranthene	1700	1200	ug/Kg	71				50	127	
	Pyrene	1700	1700	ug/Kg	100				47	127	
	Butylbenzylphthalate	1700	1500	ug/Kg	88				48	132	
	3,3-Dichlorobenzidine	1700	1000	ug/Kg	59				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	1400	ug/Kg	82				51	133	
	Di-n-octyl phthalate	1700	1400	ug/Kg	82				45	140	
	Benzo(b)fluoranthene	1700	1500	ug/Kg	88				45	132	
	Benzo(k)fluoranthene	1700	1400	ug/Kg	82				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	1600	ug/Kg	94				43	134	
	1,2,4,5-Tetrachlorobenzene	1700	1500	ug/Kg	88				37	119	
	1,4-Dioxane	1700	1100	ug/Kg	65		*		70	130	
	2,3,4,6-Tetrachlorophenol	1700	1600	ug/Kg	94				44	125	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID

PB170206BL

Lab Name: Alliance

Contract: ICES02

Lab Code: ACE

SDG NO.: Q3399

Lab File ID: BF144075.D

Lab Sample ID: PB170206BL

Instrument ID: BNA_F

Date Extracted: 10/22/2025

Matrix: (soil/water) SOIL

Date Analyzed: 10/27/2025

Level: (low/med) LOW

Time Analyzed: 10:57

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB170206BS	PB170206BS	BF144076.D	10/27/2025
COMP-ROLLOFF	Q3399-01	BF144043.D	10/22/2025
COMP-ROLLOFFMS	Q3399-01MS	BF144045.D	10/22/2025
COMP-ROLLOFFMSD	Q3399-01MSD	BF144046.D	10/22/2025

COMMENTS: _____

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BF143874.D
Instrument ID: BNA_F

Contract: ICES02
SDG NO.: Q3399
DFTPP Injection Date: 10/06/2025
DFTPP Injection Time: 09:30

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.4 (1.6) 1
69	Mass 69 relative abundance	24
70	Less than 2.0% of mass 69	0.1 (0.4) 1
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	4.9
365	Greater than 1% of mass 198	3.1
441	Present, but less than mass 443	15.4
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.6 (19.6) 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	BF143875.D	10/06/2025	09:59
SSTDICC005	SSTDICC005	BF143876.D	10/06/2025	10:28
SSTDICC010	SSTDICC010	BF143877.D	10/06/2025	10:57
SSTDICC020	SSTDICC020	BF143878.D	10/06/2025	11:56
SSTDICCC040	SSTDICCC040	BF143879.D	10/06/2025	12:54
SSTDICC050	SSTDICC050	BF143880.D	10/06/2025	13:23
SSTDICC060	SSTDICC060	BF143881.D	10/06/2025	13:53
SSTDICC080	SSTDICC080	BF143882.D	10/06/2025	14:22

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BF144031.D
Instrument ID: BNA_F

Contract: ICES02
SDG NO.: Q3399
DFTPP Injection Date: 10/22/2025
DFTPP Injection Time: 09:26

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.4 (1.5) 1
69	Mass 69 relative abundance	30.3
70	Less than 2.0% of mass 69	0.2 (0.6) 1
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.5
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	16.5
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.5 (19.5) 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	BF144032.D	10/22/2025	10:25
COMP-ROLLOFF	Q3399-01	BF144043.D	10/22/2025	15:49
COMP-ROLLOFFMS	Q3399-01MS	BF144045.D	10/22/2025	16:48
COMP-ROLLOFFMSD	Q3399-01MSD	BF144046.D	10/22/2025	17:17

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BF144055.D
Instrument ID: BNA_F

Contract: ICES02
SDG NO.: Q3399
DFTPP Injection Date: 10/24/2025
DFTPP Injection Time: 09:45

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.4 (1.6) 1
69	Mass 69 relative abundance	23.3
70	Less than 2.0% of mass 69	0.0 (0.0) 1
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	4.7
365	Greater than 1% of mass 198	3.5
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	18.8 (18.8) 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	BF144056.D	10/24/2025	10:13
SSTDICC005	SSTDICC005	BF144057.D	10/24/2025	10:42
SSTDICC010	SSTDICC010	BF144058.D	10/24/2025	11:39
SSTDICC020	SSTDICC020	BF144059.D	10/24/2025	12:36
SSTDICCC040	SSTDICCC040	BF144060.D	10/24/2025	13:05
SSTDICC050	SSTDICC050	BF144061.D	10/24/2025	13:34
SSTDICC080	SSTDICC080	BF144063.D	10/24/2025	14:32
SSTDICC060	SSTDICC060	BF144064.D	10/24/2025	16:24

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BF144073.D
Instrument ID: BNA_F

Contract: ICES02
SDG NO.: Q3399
DFTPP Injection Date: 10/27/2025
DFTPP Injection Time: 09:29

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.4 (1.9) 1
69	Mass 69 relative abundance	22.3
70	Less than 2.0% of mass 69	0.1 (0.5) 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	4.5
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	15.9
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.7 (19.7) 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	BF144074.D	10/27/2025	10:27
PB170206BL	PB170206BL	BF144075.D	10/27/2025	10:57
PB170206BS	PB170206BS	BF144076.D	10/27/2025	11:27

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3399

Client ID : SSTDCCC040

Date Analyzed: 10/22/2025

Lab File ID: BF144032.D

Time Analyzed: 10:25

Instrument ID: BNA_F

GC Column: DB-UI ID: 0.18 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	112960	6.881	428129	8.16	220935	9.92
UPPER LIMIT	225920	7.381	856258	8.663	441870	10.422
LOWER LIMIT	56480	6.381	214065	7.663	110468	9.422
EPA SAMPLE NO.						
01 COMP-ROLLOFF	58583	6.88	215525	8.16	105907 *	9.92
02 COMP-ROLLOFFMS	57143	6.88	201418 *	8.16	104489 *	9.92
03 COMP-ROLLOFFMSD	52405 *	6.88	194453 *	8.16	100404 *	9.92

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: 10/22/2025

Lab File ID: BF144032.D

Time Analyzed: 10:25

Instrument ID: BNA_F

GC Column: DB-UI ID: 0.18 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	348267	11.416	176671	14.063	208587	15.545
UPPER LIMIT	696534	11.916	353342	14.563	417174	16.045
LOWER LIMIT	174134	10.916	88335.5	13.563	104294	15.045
EPA SAMPLE NO.						
01 COMP-ROLLOFF	183706	11.41	180151	14.06	216631	15.55
02 COMP-ROLLOFFMS	168446 *	11.41	157711	14.06	198777	15.55
03 COMP-ROLLOFFMSD	161809 *	11.41	140916	14.06	186035	15.55

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.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3399

Client ID : SSTDCCC040

Date Analyzed: 10/27/2025

Lab File ID: BF144074.D

Time Analyzed: 10:27

Instrument ID: BNA_F

GC Column: DB-UI ID: 0.18 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	54596	6.881	204208	8.16	113226	9.92
UPPER LIMIT	109192	7.381	408416	8.663	226452	10.422
LOWER LIMIT	27298	6.381	102104	7.663	56613	9.422
EPA SAMPLE NO.						
01 PB170206BL	68934	6.88	265265	8.16	152247	9.92
02 PB170206BS	61653	6.88	230299	8.16	126935	9.92

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: 10/27/2025

Lab File ID: BF144074.D

Time Analyzed: 10:27

Instrument ID: BNA_F

GC Column: DB-UI ID: 0.18 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	184414	11.41	112717	14.057	164562	15.545
UPPER LIMIT	368828	11.91	225434	14.557	329124	16.045
LOWER LIMIT	92207	10.91	56358.5	13.557	82281	15.045
EPA SAMPLE NO.						
01 PB170206BL	283532	11.41	170424	14.06	194021	15.54
02 PB170206BS	219220	11.41	125508	14.06	170803	15.55

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 : 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

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
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

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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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	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

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

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
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

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	Level : LOW	% Solid:	100
Sample Wt/Vol:	30.03 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

Report of Analysis

Client: ICE Service Group, Inc.
Project: NWIRP Northrup Grumman Site – Bethpage, NY
Client Sample ID: COMP-ROLLOFFMS
Lab Sample ID: Q3399-01MS
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 30.08 g Final Vol: 1000 uL
Prep Method : SW3510C 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	920		1	170	300	370	ug/Kg	10/22/25 16:48	PB170206
108-95-2	Phenol	1600		1	24.5	140	190	ug/Kg	10/22/25 16:48	PB170206
111-44-4	bis(2-Chloroethyl)ether	1600		1	27.0	140	190	ug/Kg	10/22/25 16:48	PB170206
95-57-8	2-Chlorophenol	1700		1	27.1	140	190	ug/Kg	10/22/25 16:48	PB170206
95-48-7	2-Methylphenol	1600		1	33.2	140	190	ug/Kg	10/22/25 16:48	PB170206
108-60-1	2,2-oxybis(1-Chloropropane)	1300		1	41.6	140	190	ug/Kg	10/22/25 16:48	PB170206
98-86-2	Acetophenone	2000		1	32.7	140	190	ug/Kg	10/22/25 16:48	PB170206
65794-96-9	3+4-Methylphenols	1600		1	45.6	300	370	ug/Kg	10/22/25 16:48	PB170206
621-64-7	n-Nitroso-di-n-propylamine	1500		1	52.6	88.8	88.8	ug/Kg	10/22/25 16:48	PB170206
67-72-1	Hexachloroethane	1800		1	19.5	140	190	ug/Kg	10/22/25 16:48	PB170206
98-95-3	Nitrobenzene	1800		1	20.3	140	190	ug/Kg	10/22/25 16:48	PB170206
78-59-1	Isophorone	1700		1	36.4	140	190	ug/Kg	10/22/25 16:48	PB170206
88-75-5	2-Nitrophenol	2000		1	64.6	140	190	ug/Kg	10/22/25 16:48	PB170206
105-67-9	2,4-Dimethylphenol	1900		1	71.9	140	190	ug/Kg	10/22/25 16:48	PB170206
111-91-1	bis(2-Chloroethoxy)methane	1700		1	34.2	140	190	ug/Kg	10/22/25 16:48	PB170206
120-83-2	2,4-Dichlorophenol	1800		1	31.4	140	190	ug/Kg	10/22/25 16:48	PB170206
91-20-3	Naphthalene	1800		1	25.2	140	190	ug/Kg	10/22/25 16:48	PB170206
106-47-8	4-Chloroaniline	780		1	39.3	140	190	ug/Kg	10/22/25 16:48	PB170206
87-68-3	Hexachlorobutadiene	2000		1	28.1	140	190	ug/Kg	10/22/25 16:48	PB170206
105-60-2	Caprolactam	1600		1	57.8	300	370	ug/Kg	10/22/25 16:48	PB170206
59-50-7	4-Chloro-3-methylphenol	1700		1	31.8	140	190	ug/Kg	10/22/25 16:48	PB170206
91-57-6	2-Methylnaphthalene	1600		1	28.4	140	190	ug/Kg	10/22/25 16:48	PB170206
77-47-4	Hexachlorocyclopentadiene	2500		1	130	300	370	ug/Kg	10/22/25 16:48	PB170206
88-06-2	2,4,6-Trichlorophenol	1800		1	22.0	140	190	ug/Kg	10/22/25 16:48	PB170206
95-95-4	2,4,5-Trichlorophenol	1800		1	32.3	140	190	ug/Kg	10/22/25 16:48	PB170206
92-52-4	1,1-Biphenyl	2000		1	24.2	140	190	ug/Kg	10/22/25 16:48	PB170206
91-58-7	2-Chloronaphthalene	1800		1	25.0	140	190	ug/Kg	10/22/25 16:48	PB170206
88-74-4	2-Nitroaniline	1800		1	53.4	140	190	ug/Kg	10/22/25 16:48	PB170206
131-11-3	Dimethylphthalate	1800		1	30.1	140	190	ug/Kg	10/22/25 16:48	PB170206
208-96-8	Acenaphthylene	2000		1	32.1	140	190	ug/Kg	10/22/25 16:48	PB170206
606-20-2	2,6-Dinitrotoluene	2100		1	37.3	140	190	ug/Kg	10/22/25 16:48	PB170206
99-09-2	3-Nitroaniline	1300		1	51.0	140	190	ug/Kg	10/22/25 16:48	PB170206
83-32-9	Acenaphthene	1800		1	23.6	140	190	ug/Kg	10/22/25 16:48	PB170206
51-28-5	2,4-Dinitrophenol	2800		1	250	300	370	ug/Kg	10/22/25 16:48	PB170206
100-02-7	4-Nitrophenol	3100	E	1	120	300	370	ug/Kg	10/22/25 16:48	PB170206
132-64-9	Dibenzofuran	1800		1	25.2	140	190	ug/Kg	10/22/25 16:48	PB170206
121-14-2	2,4-Dinitrotoluene	2000		1	55.6	140	190	ug/Kg	10/22/25 16:48	PB170206
84-66-2	Diethylphthalate	1800		1	31.4	140	190	ug/Kg	10/22/25 16:48	PB170206
7005-72-3	4-Chlorophenyl-phenylether	1800		1	29.6	140	190	ug/Kg	10/22/25 16:48	PB170206
86-73-7	Fluorene	1800		1	28.1	140	190	ug/Kg	10/22/25 16:48	PB170206
100-01-6	4-Nitroaniline	1700		1	71.2	140	190	ug/Kg	10/22/25 16:48	PB170206
534-52-1	4,6-Dinitro-2-methylphenol	2000		1	110	300	370	ug/Kg	10/22/25 16:48	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 :	SW3510C	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	10/22/25 16:48	PB170206
101-55-3	4-Bromophenyl-phenylether	1900		1	30.8	140	190	ug/Kg	10/22/25 16:48	PB170206
118-74-1	Hexachlorobenzene	2000		1	28.1	140	190	ug/Kg	10/22/25 16:48	PB170206
1912-24-9	Atrazine	2000		1	37.7	140	190	ug/Kg	10/22/25 16:48	PB170206
87-86-5	Pentachlorophenol	3500	E	1	56.9	300	370	ug/Kg	10/22/25 16:48	PB170206
85-01-8	Phenanthrene	1800		1	23.2	140	190	ug/Kg	10/22/25 16:48	PB170206
120-12-7	Anthracene	1900		1	36.9	140	190	ug/Kg	10/22/25 16:48	PB170206
86-74-8	Carbazole	1900		1	34.6	140	190	ug/Kg	10/22/25 16:48	PB170206
84-74-2	Di-n-butylphthalate	1900		1	53.1	140	190	ug/Kg	10/22/25 16:48	PB170206
206-44-0	Fluoranthene	2000		1	33.3	140	190	ug/Kg	10/22/25 16:48	PB170206
129-00-0	Pyrene	1400		1	39.9	140	190	ug/Kg	10/22/25 16:48	PB170206
85-68-7	Butylbenzylphthalate	1700		1	79.2	140	190	ug/Kg	10/22/25 16:48	PB170206
91-94-1	3,3-Dichlorobenzidine	1600		1	40.7	300	370	ug/Kg	10/22/25 16:48	PB170206
56-55-3	Benzo(a)anthracene	1800		1	25.5	140	190	ug/Kg	10/22/25 16:48	PB170206
218-01-9	Chrysene	1900		1	22.1	140	190	ug/Kg	10/22/25 16:48	PB170206
117-81-7	Bis(2-ethylhexyl)phthalate	2000		1	65.7	140	190	ug/Kg	10/22/25 16:48	PB170206
117-84-0	Di-n-octyl phthalate	2200		1	96.3	300	370	ug/Kg	10/22/25 16:48	PB170206
205-99-2	Benzo(b)fluoranthene	1900		1	21.1	140	190	ug/Kg	10/22/25 16:48	PB170206
207-08-9	Benzo(k)fluoranthene	1800		1	24.9	140	190	ug/Kg	10/22/25 16:48	PB170206
50-32-8	Benzo(a)pyrene	1900		1	32.7	140	190	ug/Kg	10/22/25 16:48	PB170206
193-39-5	Indeno(1,2,3-cd)pyrene	1500		1	32.3	140	190	ug/Kg	10/22/25 16:48	PB170206
53-70-3	Dibenzo(a,h)anthracene	1600		1	30.4	140	190	ug/Kg	10/22/25 16:48	PB170206
191-24-2	Benzo(g,h,i)perylene	1400		1	28.5	140	190	ug/Kg	10/22/25 16:48	PB170206
95-94-3	1,2,4,5-Tetrachlorobenzene	2100		1	28.4	140	190	ug/Kg	10/22/25 16:48	PB170206
123-91-1	1,4-Dioxane	1600		1	50.1	140	190	ug/Kg	10/22/25 16:48	PB170206
58-90-2	2,3,4,6-Tetrachlorophenol	1900		1	30.4	140	190	ug/Kg	10/22/25 16:48	PB170206

SURROGATES

367-12-4	2-Fluorophenol	90.7			35 - 115	60%	SPK: 150
13127-88-3	Phenol-d6	85.1			34 - 127	57%	SPK: 150
4165-60-0	Nitrobenzene-d5	66.5			37 - 122	66%	SPK: 100
321-60-8	2-Fluorobiphenyl	64.8			44 - 115	65%	SPK: 100
118-79-6	2,4,6-Tribromophenol	104			39 - 132	69%	SPK: 150
1718-51-0	Terphenyl-d14	50.5	*		54 - 127	51%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	57100
1146-65-2	Naphthalene-d8	201000
15067-26-2	Acenaphthene-d10	104000
1517-22-2	Phenanthrene-d10	168000
1719-03-5	Chrysene-d12	158000
1520-96-3	Perylene-d12	199000

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 :	SW3510C		
	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: COMP-ROLLOFFMSD
Lab Sample ID: Q3399-01MSD
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 30.06 g Final Vol: 1000 uL
Prep Method : SW3510C 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	990		1	170	300	370	ug/Kg	10/22/25 17:17	PB170206
108-95-2	Phenol	1700		1	24.5	140	190	ug/Kg	10/22/25 17:17	PB170206
111-44-4	bis(2-Chloroethyl)ether	1600		1	27.0	140	190	ug/Kg	10/22/25 17:17	PB170206
95-57-8	2-Chlorophenol	1800		1	27.1	140	190	ug/Kg	10/22/25 17:17	PB170206
95-48-7	2-Methylphenol	1700		1	33.2	140	190	ug/Kg	10/22/25 17:17	PB170206
108-60-1	2,2-oxybis(1-Chloropropane)	1400		1	41.6	140	190	ug/Kg	10/22/25 17:17	PB170206
98-86-2	Acetophenone	2000		1	32.7	140	190	ug/Kg	10/22/25 17:17	PB170206
65794-96-9	3+4-Methylphenols	1700		1	45.6	300	370	ug/Kg	10/22/25 17:17	PB170206
621-64-7	n-Nitroso-di-n-propylamine	1700		1	52.6	88.8	88.8	ug/Kg	10/22/25 17:17	PB170206
67-72-1	Hexachloroethane	1900		1	19.5	140	190	ug/Kg	10/22/25 17:17	PB170206
98-95-3	Nitrobenzene	1900		1	20.3	140	190	ug/Kg	10/22/25 17:17	PB170206
78-59-1	Isophorone	1700		1	36.4	140	190	ug/Kg	10/22/25 17:17	PB170206
88-75-5	2-Nitrophenol	2100		1	64.6	140	190	ug/Kg	10/22/25 17:17	PB170206
105-67-9	2,4-Dimethylphenol	2000		1	71.9	140	190	ug/Kg	10/22/25 17:17	PB170206
111-91-1	bis(2-Chloroethoxy)methane	1700		1	34.2	140	190	ug/Kg	10/22/25 17:17	PB170206
120-83-2	2,4-Dichlorophenol	1800		1	31.4	140	190	ug/Kg	10/22/25 17:17	PB170206
91-20-3	Naphthalene	1800		1	25.2	140	190	ug/Kg	10/22/25 17:17	PB170206
106-47-8	4-Chloroaniline	760		1	39.3	140	190	ug/Kg	10/22/25 17:17	PB170206
87-68-3	Hexachlorobutadiene	2100		1	28.1	140	190	ug/Kg	10/22/25 17:17	PB170206
105-60-2	Caprolactam	1700		1	57.8	300	370	ug/Kg	10/22/25 17:17	PB170206
59-50-7	4-Chloro-3-methylphenol	1800		1	31.9	140	190	ug/Kg	10/22/25 17:17	PB170206
91-57-6	2-Methylnaphthalene	1700		1	28.4	140	190	ug/Kg	10/22/25 17:17	PB170206
77-47-4	Hexachlorocyclopentadiene	2800		1	130	300	370	ug/Kg	10/22/25 17:17	PB170206
88-06-2	2,4,6-Trichlorophenol	1900		1	22.0	140	190	ug/Kg	10/22/25 17:17	PB170206
95-95-4	2,4,5-Trichlorophenol	2000		1	32.3	140	190	ug/Kg	10/22/25 17:17	PB170206
92-52-4	1,1-Biphenyl	2100		1	24.2	140	190	ug/Kg	10/22/25 17:17	PB170206
91-58-7	2-Chloronaphthalene	1900		1	25.0	140	190	ug/Kg	10/22/25 17:17	PB170206
88-74-4	2-Nitroaniline	1900		1	53.4	140	190	ug/Kg	10/22/25 17:17	PB170206
131-11-3	Dimethylphthalate	1900		1	30.1	140	190	ug/Kg	10/22/25 17:17	PB170206
208-96-8	Acenaphthylene	2100		1	32.1	140	190	ug/Kg	10/22/25 17:17	PB170206
606-20-2	2,6-Dinitrotoluene	2200		1	37.3	140	190	ug/Kg	10/22/25 17:17	PB170206
99-09-2	3-Nitroaniline	1300		1	51.1	140	190	ug/Kg	10/22/25 17:17	PB170206
83-32-9	Acenaphthene	1900		1	23.6	140	190	ug/Kg	10/22/25 17:17	PB170206
51-28-5	2,4-Dinitrophenol	2800		1	250	300	370	ug/Kg	10/22/25 17:17	PB170206
100-02-7	4-Nitrophenol	3000	E	1	120	300	370	ug/Kg	10/22/25 17:17	PB170206
132-64-9	Dibenzofuran	1800		1	25.2	140	190	ug/Kg	10/22/25 17:17	PB170206
121-14-2	2,4-Dinitrotoluene	2100		1	55.6	140	190	ug/Kg	10/22/25 17:17	PB170206
84-66-2	Diethylphthalate	1900		1	31.4	140	190	ug/Kg	10/22/25 17:17	PB170206
7005-72-3	4-Chlorophenyl-phenylether	1900		1	29.6	140	190	ug/Kg	10/22/25 17:17	PB170206
86-73-7	Fluorene	1900		1	28.1	140	190	ug/Kg	10/22/25 17:17	PB170206
100-01-6	4-Nitroaniline	1800		1	71.3	140	190	ug/Kg	10/22/25 17:17	PB170206
534-52-1	4,6-Dinitro-2-methylphenol	2200		1	110	300	370	ug/Kg	10/22/25 17:17	PB170206

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 : SW3510C 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
86-30-6	n-Nitrosodiphenylamine	1900		1	36.5	140	190	ug/Kg	10/22/25 17:17	PB170206
101-55-3	4-Bromophenyl-phenylether	2000		1	30.9	140	190	ug/Kg	10/22/25 17:17	PB170206
118-74-1	Hexachlorobenzene	2000		1	28.1	140	190	ug/Kg	10/22/25 17:17	PB170206
1912-24-9	Atrazine	2100		1	37.7	140	190	ug/Kg	10/22/25 17:17	PB170206
87-86-5	Pentachlorophenol	3500	E	1	56.9	300	370	ug/Kg	10/22/25 17:17	PB170206
85-01-8	Phenanthrene	1900		1	23.2	140	190	ug/Kg	10/22/25 17:17	PB170206
120-12-7	Anthracene	1900		1	37.0	140	190	ug/Kg	10/22/25 17:17	PB170206
86-74-8	Carbazole	1900		1	34.6	140	190	ug/Kg	10/22/25 17:17	PB170206
84-74-2	Di-n-butylphthalate	1900		1	53.2	140	190	ug/Kg	10/22/25 17:17	PB170206
206-44-0	Fluoranthene	2000		1	33.3	140	190	ug/Kg	10/22/25 17:17	PB170206
129-00-0	Pyrene	1400		1	40.0	140	190	ug/Kg	10/22/25 17:17	PB170206
85-68-7	Butylbenzylphthalate	1800		1	79.3	140	190	ug/Kg	10/22/25 17:17	PB170206
91-94-1	3,3-Dichlorobenzidine	1700		1	40.7	300	370	ug/Kg	10/22/25 17:17	PB170206
56-55-3	Benzo(a)anthracene	1900		1	25.5	140	190	ug/Kg	10/22/25 17:17	PB170206
218-01-9	Chrysene	2000		1	22.1	140	190	ug/Kg	10/22/25 17:17	PB170206
117-81-7	Bis(2-ethylhexyl)phthalate	2100		1	65.7	140	190	ug/Kg	10/22/25 17:17	PB170206
117-84-0	Di-n-octyl phthalate	2300		1	96.4	300	370	ug/Kg	10/22/25 17:17	PB170206
205-99-2	Benzo(b)fluoranthene	1900		1	21.1	140	190	ug/Kg	10/22/25 17:17	PB170206
207-08-9	Benzo(k)fluoranthene	1800		1	24.9	140	190	ug/Kg	10/22/25 17:17	PB170206
50-32-8	Benzo(a)pyrene	2000		1	32.7	140	190	ug/Kg	10/22/25 17:17	PB170206
193-39-5	Indeno(1,2,3-cd)pyrene	1500		1	32.3	140	190	ug/Kg	10/22/25 17:17	PB170206
53-70-3	Dibenzo(a,h)anthracene	1600		1	30.4	140	190	ug/Kg	10/22/25 17:17	PB170206
191-24-2	Benzo(g,h,i)perylene	1400		1	28.5	140	190	ug/Kg	10/22/25 17:17	PB170206
95-94-3	1,2,4,5-Tetrachlorobenzene	2300		1	28.4	140	190	ug/Kg	10/22/25 17:17	PB170206
123-91-1	1,4-Dioxane	1700		1	50.2	140	190	ug/Kg	10/22/25 17:17	PB170206
58-90-2	2,3,4,6-Tetrachlorophenol	2000		1	30.4	140	190	ug/Kg	10/22/25 17:17	PB170206

SURROGATES

367-12-4	2-Fluorophenol	95.5			35 - 115	64%	SPK: 150
13127-88-3	Phenol-d6	89.5			34 - 127	60%	SPK: 150
4165-60-0	Nitrobenzene-d5	68.4			37 - 122	68%	SPK: 100
321-60-8	2-Fluorobiphenyl	67.5			44 - 115	68%	SPK: 100
118-79-6	2,4,6-Tribromophenol	105			39 - 132	70%	SPK: 150
1718-51-0	Terphenyl-d14	53.4	*		54 - 127	53%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	52400
1146-65-2	Naphthalene-d8	194000
15067-26-2	Acenaphthene-d10	100000
1517-22-2	Phenanthrene-d10	162000
1719-03-5	Chrysene-d12	141000
1520-96-3	Perylene-d12	186000

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 :	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



CALIBRATION SUMMARY

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance

Contract: ICES02

Lab Code: ACE

SDG No.: Q3399

Instrument ID: BNA_F

Calibration Date(s): 10/06/2025 10/06/2025

Calibration Time(s): 09:59 14:22

LAB FILE ID:		RRF2.5 = BF143875.D		RRF005 = BF143876.D		RRF010 = BF143877.D		
		RRF020 = BF143878.D		RRF040 = BF143879.D		RRF050 = BF143880.D		
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorophenol		1.378	1.349	1.352	1.307	1.173	1.259	9.1
Benzaldehyde			1.115	1.026	1.329	1.198	1.158	16.2
Phenol-d6		1.626	1.631	1.601	1.542	1.404	1.501	8.6
Phenol		1.934	1.814	1.889	1.841	1.756	1.795	6.3
bis(2-Chloroethyl)ether		1.487	1.457	1.467	1.446	1.308	1.386	7.2
2-Chlorophenol		1.324	1.229	1.274	1.294	1.201	1.231	5.9
2-Methylphenol		1.064	1.057	1.049	1.054	0.985	1.017	5.1
2,2-oxybis(1-Chloropropane)		3.520	3.385	3.273	3.239	3.008	3.156	8.8
Acetophenone		0.515	0.461	0.462	0.433	0.374	0.423	14.7
3+4-Methylphenols			1.401	1.342	1.266	1.068	1.179	15.6
n-Nitroso-di-n-propylamine	1.052	1.135	1.134	1.054	1.026	0.970	1.028	8.1
Nitrobenzene-d5		0.325	0.333	0.347	0.345	0.323	0.329	4.2
Hexachloroethane		0.533	0.508	0.515	0.501	0.456	0.485	8.4
Nitrobenzene		0.369	0.349	0.389	0.391	0.352	0.366	5.3
Isophorone		0.754	0.708	0.708	0.705	0.665	0.694	5.0
2-Nitrophenol		0.121	0.133	0.163	0.174	0.167	0.157	13.4
2,4-Dimethylphenol		0.287	0.288	0.292	0.295	0.271	0.282	4.1
bis(2-Chloroethoxy)methane		0.510	0.474	0.463	0.444	0.398	0.438	10.8
2,4-Dichlorophenol		0.317	0.292	0.313	0.307	0.280	0.294	6.5
Naphthalene		1.103	0.996	0.972	0.932	0.817	0.910	14.1
4-Chloroaniline		0.368	0.370	0.357	0.355	0.319	0.341	8.2
Hexachlorobutadiene		0.231	0.214	0.210	0.207	0.183	0.201	10.1
Caprolactam			0.092	0.091	0.095	0.094	0.093	1.6
4-Chloro-3-methylphenol		0.301	0.302	0.289	0.287	0.269	0.282	6.3
2-Methylnaphthalene		0.742	0.683	0.654	0.616	0.527	0.606	15.5
Hexachlorocyclopentadiene			0.182	0.216	0.257	0.246	0.229	11.8
2,4,6-Trichlorophenol		0.408	0.394	0.426	0.445	0.383	0.404	6.1
2-Fluorobiphenyl		1.568	1.424	1.335	1.224	0.984	1.260	18.0
2,4,5-Trichlorophenol		0.443	0.444	0.460	0.456	0.401	0.427	7.3
1,1-Biphenyl		1.617	1.476	1.448	1.374	1.134	1.324	15.8
2-Chloronaphthalene		1.294	1.196	1.197	1.137	0.988	1.104	12.5
2-Nitroaniline		0.293	0.322	0.371	0.392	0.354	0.349	9.4
Dimethylphthalate		1.442	1.351	1.334	1.291	1.166	1.270	9.3
Acenaphthylene		1.797	1.701	1.648	1.623	1.386	1.552	12.1

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance

Contract: ICES02

Lab Code: ACE

SDG No.: Q3399

Instrument ID: BNA_F

Calibration Date(s): 10/06/2025 10/06/2025

Calibration Time(s): 09:59 14:22

LAB FILE ID:		RRF2.5 = BF143875.D			RRF005 = BF143876.D		RRF010 = BF143877.D	
		RRF020 = BF143878.D			RRF040 = BF143879.D		RRF050 = BF143880.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2,6-Dinitrotoluene		0.201	0.204	0.245	0.262	0.250	0.236	10.1
3-Nitroaniline		0.256	0.270	0.306	0.306	0.296	0.288	6.6
Acenaphthene		1.177	1.115	1.096	1.052	0.897	1.017	12.2
2,4-Dinitrophenol			0.061	0.094	0.120	0.143	0.118	29.3
4-Nitrophenol			0.173	0.215	0.234	0.230	0.218	10.5
Dibenzofuran		1.680	1.608	1.572	1.494	1.253	1.436	14.1
2,4-Dinitrotoluene		0.252	0.284	0.341	0.365	0.335	0.320	12.3
Diethylphthalate		1.319	1.281	1.273	1.222	1.070	1.180	10.6
4-Chlorophenyl-phenylether		0.689	0.662	0.626	0.596	0.485	0.573	16.4
Fluorene		1.393	1.266	1.173	1.097	0.897	1.083	19.2
4-Nitroaniline		0.257	0.259	0.285	0.292	0.287	0.277	5.3
4,6-Dinitro-2-methylphenol			0.065	0.092	0.111	0.112	0.101	19.3
n-Nitrosodiphenylamine		0.712	0.683	0.675	0.656	0.560	0.628	11.2
2,4,6-Tribromophenol		0.194	0.192	0.210	0.207	0.198	0.199	3.5
4-Bromophenyl-phenylether		0.247	0.234	0.231	0.231	0.201	0.221	8.7
Hexachlorobenzene		0.277	0.268	0.263	0.267	0.242	0.256	6.6
Atrazine		0.197	0.206	0.213	0.195	0.184	0.190	9.4
Pentachlorophenol			0.117	0.152	0.157	0.154	0.147	10.1
Phenanthrene		1.164	1.092	1.066	0.976	0.842	0.970	14.9
Anthracene		1.161	1.097	1.057	1.025	0.854	0.980	14.4
Carbazole		1.015	0.962	0.939	0.884	0.766	0.868	13.1
Di-n-butylphthalate		1.089	1.094	1.108	1.053	0.910	1.005	10.8
Fluoranthene		1.156	1.153	1.094	1.032	0.876	1.002	14.4
Pyrene		1.838	1.663	1.769	1.863	1.541	1.667	9.9
Terphenyl-d14		1.301	1.209	1.271	1.279	1.066	1.170	10.7
Butylbenzylphthalate		0.466	0.503	0.579	0.620	0.545	0.542	9.3
3,3-Dichlorobenzidine			0.364	0.403	0.440	0.401	0.399	6.4
Benzo (a) anthracene		1.342	1.347	1.354	1.398	1.232	1.309	5.5
Chrysene		1.373	1.188	1.267	1.294	1.116	1.211	8.4
Bis (2-ethylhexyl) phthalate		0.591	0.619	0.687	0.739	0.642	0.653	7.7
Di-n-octyl phthalate			0.837	1.009	1.194	1.108	1.072	12.2
Benzo (b) fluoranthene		1.207	1.138	1.131	1.269	1.095	1.149	7.6
Benzo (k) fluoranthene		1.138	1.173	1.228	1.108	0.923	1.063	12.1
Benzo (a) pyrene		1.000	1.006	1.037	1.102	0.936	0.996	6.2
Indeno (1,2,3-cd) pyrene		1.114	1.104	1.222	1.393	1.235	1.225	8.0

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance

Contract: ICES02

Lab Code: ACE

SDG No.: Q3399

Instrument ID: BNA_F

Calibration Date(s): 10/06/2025 10/06/2025

Calibration Time(s): 09:59 14:22

LAB FILE ID:		RRF2.5 = BF143875.D			RRF005 = BF143876.D		RRF010 = BF143877.D	
		RRF020 = BF143878.D			RRF040 = BF143879.D		RRF050 = BF143880.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Dibenzo(a,h)anthracene		0.888	0.915	1.015	1.128	0.975	0.986	7.9
Benzo(g,h,i)perylene		0.889	0.888	0.983	1.117	0.991	0.986	8.1
1,2,4,5-Tetrachlorobenzene		0.610	0.592	0.595	0.590	0.500	0.553	10.4
1,4-Dioxane		0.614	0.595	0.597	0.609	0.544	0.583	5.0
2,3,4,6-Tetrachlorophenol		0.276	0.303	0.315	0.325	0.300	0.302	5.5

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance

Contract: ICES02

Lab Code: ACE

SDG No.: Q3399

Instrument ID: BNA_F

Calibration Date(s): 10/24/2025 10/24/2025

Calibration Time(s): 10:13 16:24

LAB FILE ID:		RRF2.5 = BF144056.D			RRF005 = BF144057.D		RRF010 = BF144058.D	
		RRF020 = BF144059.D			RRF040 = BF144060.D		RRF050 = BF144061.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorophenol		1.324	1.322	1.328	1.303	1.163	1.264	7.8
Benzaldehyde			1.093	0.965	1.043	0.959	1.084	15.3
Phenol-d6		1.548	1.443	1.481	1.408	1.289	1.396	8.6
Phenol		1.896	1.860	1.820	1.736	1.575	1.722	9.4
bis(2-Chloroethyl) ether		1.406	1.278	1.285	1.248	1.128	1.245	8.7
2-Chlorophenol		1.398	1.310	1.306	1.251	1.124	1.245	9.2
2-Methylphenol		1.052	1.010	1.032	0.931	0.874	0.957	8.9
2,2-oxybis(1-Chloropropane)		2.561	2.432	2.505	2.376	2.149	2.339	8.1
Acetophenone		0.473	0.459	0.433	0.437	0.397	0.432	8.4
3+4-Methylphenols			1.270	1.190	1.167	1.036	1.132	9.7
n-Nitroso-di-n-propylamine	0.900	0.971	0.972	0.949	0.876	0.801	0.903	7.6
Nitrobenzene-d5		0.377	0.378	0.374	0.368	0.335	0.365	6.5
Hexachloroethane		0.553	0.544	0.569	0.544	0.506	0.541	7.2
Nitrobenzene		0.395	0.384	0.404	0.392	0.360	0.386	6.0
Isophorone		0.665	0.662	0.645	0.643	0.584	0.638	6.3
2-Nitrophenol		0.190	0.184	0.196	0.191	0.167	0.184	7.0
2,4-Dimethylphenol		0.289	0.279	0.262	0.287	0.254	0.273	6.7
bis(2-Chloroethoxy) methane		0.430	0.408	0.413	0.404	0.365	0.398	7.2
2,4-Dichlorophenol		0.334	0.345	0.325	0.323	0.293	0.317	7.8
Naphthalene		1.054	1.002	0.962	0.965	0.852	0.944	9.7
4-Chloroaniline		0.332	0.356	0.349	0.336	0.298	0.329	8.1
Hexachlorobutadiene		0.279	0.276	0.274	0.270	0.241	0.267	8.2
Caprolactam			0.078	0.082	0.085	0.072	0.080	7.0
4-Chloro-3-methylphenol		0.302	0.289	0.285	0.282	0.257	0.280	7.0
2-Methylnaphthalene		0.718	0.654	0.631	0.644	0.549	0.622	10.6
Hexachlorocyclopentadiene			0.148	0.208	0.218	0.205	0.212	18.9
2,4,6-Trichlorophenol		0.430	0.447	0.480	0.473	0.427	0.447	8.0
2-Fluorobiphenyl		1.654	1.503	1.411	1.451	1.291	1.421	11.0
2,4,5-Trichlorophenol		0.488	0.485	0.484	0.467	0.427	0.469	7.2
1,1-Biphenyl		1.613	1.533	1.441	1.472	1.317	1.432	10.1
2-Chloronaphthalene		1.336	1.264	1.233	1.222	1.101	1.199	9.7
2-Nitroaniline		0.325	0.359	0.368	0.380	0.333	0.356	8.0
Dimethylphthalate		1.398	1.328	1.332	1.366	1.219	1.311	7.1
Acenaphthylene		1.780	1.693	1.664	1.703	1.476	1.617	9.5

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance

Contract: ICES02

Lab Code: ACE

SDG No.: Q3399

Instrument ID: BNA_F

Calibration Date(s): 10/24/2025 10/24/2025

Calibration Time(s): 10:13 16:24

LAB FILE ID:		RRF2.5 = BF144056.D			RRF005 = BF144057.D		RRF010 = BF144058.D	
		RRF020 = BF144059.D			RRF040 = BF144060.D		RRF050 = BF144061.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2,6-Dinitrotoluene		0.228	0.257	0.275	0.276	0.252	0.259	8.3
3-Nitroaniline		0.276	0.294	0.293	0.322	0.281	0.288	7.8
Acenaphthene		1.125	1.153	1.134	1.114	0.999	1.080	8.2
2,4-Dinitrophenol			0.161	0.162	0.124	0.116	0.140	13.4
4-Nitrophenol			0.224	0.199	0.187	0.175	0.195	8.9
Dibenzofuran		1.685	1.572	1.512	1.559	1.391	1.499	9.5
2,4-Dinitrotoluene		0.302	0.343	0.370	0.385	0.336	0.350	9.4
Diethylphthalate		1.286	1.264	1.244	1.290	1.145	1.233	7.0
4-Chlorophenyl-phenylether		0.706	0.667	0.656	0.675	0.591	0.643	9.5
Fluorene		1.359	1.169	1.133	1.188	1.041	1.143	11.3
4-Nitroaniline		0.262	0.266	0.275	0.296	0.260	0.273	6.7
4,6-Dinitro-2-methylphenol			0.133	0.151	0.123	0.115	0.128	10.6
n-Nitrosodiphenylamine		0.716	0.666	0.657	0.643	0.590	0.639	8.8
2,4,6-Tribromophenol		0.251	0.249	0.256	0.262	0.241	0.255	6.8
4-Bromophenyl-phenylether		0.274	0.256	0.247	0.260	0.230	0.250	8.5
Hexachlorobenzene		0.311	0.338	0.309	0.321	0.275	0.307	8.6
Atrazine		0.229	0.223	0.218	0.208	0.185	0.210	11.5
Pentachlorophenol			0.123	0.149	0.150	0.143	0.146	9.9
Phenanthrene		1.073	1.040	1.009	1.017	0.918	0.994	7.9
Anthracene		1.171	1.077	1.029	1.053	0.932	1.026	10.0
Carbazole		0.943	0.920	0.883	0.905	0.818	0.874	8.2
Di-n-butylphthalate		1.090	1.091	1.116	1.118	1.002	1.071	6.6
Fluoranthene		1.171	1.151	1.121	1.123	0.997	1.098	7.9
Pyrene		1.603	1.466	1.426	1.521	1.295	1.438	9.1
Terphenyl-d14		1.280	1.134	1.121	1.212	1.002	1.144	9.4
Butylbenzylphthalate		0.508	0.542	0.566	0.601	0.494	0.544	8.2
3,3-Dichlorobenzidine			0.469	0.485	0.510	0.404	0.470	10.2
Benzo (a) anthracene		1.341	1.322	1.359	1.516	1.206	1.352	8.8
Chrysene		1.330	1.263	1.253	1.319	1.179	1.268	5.9
Bis (2-ethylhexyl) phthalate		0.745	0.725	0.761	0.795	0.690	0.743	7.0
Di-n-octyl phthalate			1.228	1.295	1.399	1.179	1.277	7.6
Benzo (b) fluoranthene		1.134	1.108	1.153	1.264	1.055	1.131	6.4
Benzo (k) fluoranthene		1.206	1.077	1.010	1.059	0.906	1.043	11.4
Benzo (a) pyrene		1.049	0.990	1.036	1.089	0.942	1.014	6.9
Indeno (1,2,3-cd) pyrene		1.351	1.331	1.394	1.477	1.295	1.373	6.5

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance

Contract: ICES02

Lab Code: ACE

SDG No.: Q3399

Instrument ID: BNA_F

Calibration Date(s): 10/24/2025 10/24/2025

Calibration Time(s): 10:13 16:24

LAB FILE ID:		RRF2.5 = BF144056.D		RRF005 = BF144057.D		RRF010 = BF144058.D		
		RRF020 = BF144059.D		RRF040 = BF144060.D		RRF050 = BF144061.D		
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Dibenzo (a,h) anthracene		1.058	1.061	1.107	1.166	1.024	1.087	6.7
Benzo (g,h,i) perylene		1.051	1.051	1.124	1.195	1.023	1.093	7.1
1,2,4,5-Tetrachlorobenzene		0.777	0.707	0.693	0.707	0.629	0.687	9.2
1,4-Dioxane		0.723	0.494	0.485	0.550	0.519	0.546	15.6
2,3,4,6-Tetrachlorophenol		0.317	0.318	0.333	0.360	0.322	0.330	7.5

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_F</u>	Calibration Date/Time:	<u>10/22/2025 10:25</u>
Lab File ID:	<u>BF144032.D</u>	Init. Calib. Date(s):	<u>10/06/2025 10/06/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>09:59 14:22</u>
GC Column:	<u>DB-UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.259	1.263		0.3	
Benzaldehyde	1.158	1.176		1.6	
Phenol-d6	1.501	1.459		-2.8	
Phenol	1.795	1.838		2.4	20.0
bis(2-Chloroethyl)ether	1.386	1.342		-3.2	
2-Chlorophenol	1.231	1.205		-2.1	
2-Methylphenol	1.017	0.970		-4.6	
2,2-oxybis(1-Chloropropane)	3.156	3.068		-2.8	
Acetophenone	0.423	0.389		-8.0	
3+4-Methylphenols	1.179	1.144		-3.0	
n-Nitroso-di-n-propylamine	1.028	0.930	0.050	-9.5	
Nitrobenzene-d5	0.329	0.331		0.6	
Hexachloroethane	0.485	0.469		-3.3	
Nitrobenzene	0.366	0.366		0.0	
Isophorone	0.694	0.630		-9.2	
2-Nitrophenol	0.157	0.173		10.2	20.0
2,4-Dimethylphenol	0.282	0.273		-3.2	
bis(2-Chloroethoxy)methane	0.438	0.417		-4.8	
2,4-Dichlorophenol	0.294	0.284		-3.4	20.0
Naphthalene	0.910	0.867		-4.7	
4-Chloroaniline	0.341	0.317		-7.0	
Hexachlorobutadiene	0.201	0.185		-8.0	20.0
Caprolactam	0.093	0.078		-16.1	
4-Chloro-3-methylphenol	0.282	0.258		-8.5	20.0
2-Methylnaphthalene	0.606	0.564		-6.9	
Hexachlorocyclopentadiene	0.229	0.198	0.050	-13.5	
2,4,6-Trichlorophenol	0.404	0.385		-4.7	20.0
2-Fluorobiphenyl	1.260	1.173		-6.9	
2,4,5-Trichlorophenol	0.427	0.416		-2.6	
1,1-Biphenyl	1.324	1.285		-2.9	
2-Chloronaphthalene	1.104	1.102		-0.2	
2-Nitroaniline	0.349	0.359		2.9	
Dimethylphthalate	1.270	1.174		-7.6	
Acenaphthylene	1.552	1.488		-4.1	
2,6-Dinitrotoluene	0.236	0.245		3.8	
3-Nitroaniline	0.288	0.288		0.0	
Acenaphthene	1.017	0.988		-2.9	20.0
2,4-Dinitrophenol	0.118	0.150	0.050	27.1	
4-Nitrophenol	0.218	0.221	0.050	1.4	

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_F</u>	Calibration Date/Time:	<u>10/22/2025 10:25</u>
Lab File ID:	<u>BF144032.D</u>	Init. Calib. Date(s):	<u>10/06/2025 10/06/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>09:59 14:22</u>
GC Column:	<u>DB-UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.436	1.365		-4.9	
2,4-Dinitrotoluene	0.320	0.327		2.2	
Diethylphthalate	1.180	1.076		-8.8	
4-Chlorophenyl-phenylether	0.573	0.537		-6.3	
Fluorene	1.083	1.034		-4.5	
4-Nitroaniline	0.277	0.251		-9.4	
4,6-Dinitro-2-methylphenol	0.101	0.105		4.0	
n-Nitrosodiphenylamine	0.628	0.632		0.6	20.0
2,4,6-Tribromophenol	0.199	0.170		-14.6	
4-Bromophenyl-phenylether	0.221	0.208		-5.9	
Hexachlorobenzene	0.256	0.236		-7.8	
Atrazine	0.190	0.170		-10.5	
Pentachlorophenol	0.147	0.133		-9.5	20.0
Phenanthrene	0.970	0.937		-3.4	
Anthracene	0.980	0.950		-3.1	
Carbazole	0.868	0.813		-6.3	
Di-n-butylphthalate	1.005	0.932		-7.3	
Fluoranthene	1.002	0.880		-12.2	20.0
Pyrene	1.667	1.786		7.1	
Terphenyl-d14	1.170	1.232		5.3	
Butylbenzylphthalate	0.542	0.552		1.8	
3,3-Dichlorobenzidine	0.399	0.405		1.5	
Benzo (a) anthracene	1.309	1.289		-1.5	
Chrysene	1.211	1.219		0.7	
Bis(2-ethylhexyl)phthalate	0.653	0.682		4.4	
Di-n-octyl phthalate	1.072	1.265		18.0	20.0
Benzo (b) fluoranthene	1.149	0.981		-14.6	
Benzo (k) fluoranthene	1.063	0.999		-6.0	
Benzo (a) pyrene	0.996	0.976		-2.0	20.0
Indeno (1,2,3-cd) pyrene	1.225	1.460		19.2	
Dibenzo (a,h) anthracene	0.986	1.180		19.7	
Benzo (g,h,i) perylene	0.986	1.193		21.0	
1,2,4,5-Tetrachlorobenzene	0.553	0.552		-0.2	
1,4-Dioxane	0.583	0.579		-0.7	20.0
2,3,4,6-Tetrachlorophenol	0.302	0.272		-9.9	

All other compounds must meet a minimum RRF of 0.010.

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_F</u>	Calibration Date/Time:	<u>10/27/2025 10:27</u>
Lab File ID:	<u>BF144074.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>10:13 16:24</u>
GC Column:	<u>DB-UI</u>	ID:	<u>0.18 (mm)</u>

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.264	1.380		9.2	
Benzaldehyde	1.084	1.063		-1.9	
Phenol-d6	1.396	1.515		8.5	
Phenol	1.722	1.833		6.4	20.0
bis(2-Chloroethyl)ether	1.245	1.349		8.4	
2-Chlorophenol	1.245	1.332		7.0	
2-Methylphenol	0.957	1.041		8.8	
2,2-oxybis(1-Chloropropane)	2.339	2.496		6.7	
Acetophenone	0.432	0.456		5.6	
3+4-Methylphenols	1.132	1.219		7.7	
n-Nitroso-di-n-propylamine	0.903	0.952	0.050	5.4	
Nitrobenzene-d5	0.365	0.385		5.5	
Hexachloroethane	0.541	0.579		7.0	
Nitrobenzene	0.386	0.407		5.4	
Isophorone	0.638	0.683		7.1	
2-Nitrophenol	0.184	0.199		8.2	20.0
2,4-Dimethylphenol	0.273	0.309		13.2	
bis(2-Chloroethoxy)methane	0.398	0.425		6.8	
2,4-Dichlorophenol	0.317	0.336		6.0	20.0
Naphthalene	0.944	0.998		5.7	
4-Chloroaniline	0.329	0.363		10.3	
Hexachlorobutadiene	0.267	0.273		2.2	20.0
Caprolactam	0.080	0.087		8.8	
4-Chloro-3-methylphenol	0.280	0.302		7.9	20.0
2-Methylnaphthalene	0.622	0.664		6.8	
Hexachlorocyclopentadiene	0.212	0.233	0.050	9.9	
2,4,6-Trichlorophenol	0.447	0.457		2.2	20.0
2-Fluorobiphenyl	1.421	1.420		-0.1	
2,4,5-Trichlorophenol	0.469	0.499		6.4	
1,1-Biphenyl	1.432	1.433		0.1	
2-Chloronaphthalene	1.199	1.226		2.2	
2-Nitroaniline	0.356	0.384		7.9	
Dimethylphthalate	1.311	1.344		2.5	
Acenaphthylene	1.617	1.654		2.3	
2,6-Dinitrotoluene	0.259	0.282		8.9	
3-Nitroaniline	0.288	0.296		2.8	
Acenaphthene	1.080	1.105		2.3	20.0
2,4-Dinitrophenol	0.140	0.137	0.050	-2.1	
4-Nitrophenol	0.195	0.203	0.050	4.1	

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_F</u>	Calibration Date/Time:	<u>10/27/2025</u> <u>10:27</u>
Lab File ID:	<u>BF144074.D</u>	Init. Calib. Date(s):	<u>10/24/2025</u> <u>10/24/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>10:13</u> <u>16:24</u>
GC Column:	<u>DB-UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.499	1.549		3.3	
2,4-Dinitrotoluene	0.350	0.367		4.9	
Diethylphthalate	1.233	1.247		1.1	
4-Chlorophenyl-phenylether	0.643	0.665		3.4	
Fluorene	1.143	1.167		2.1	
4-Nitroaniline	0.273	0.281		2.9	
4,6-Dinitro-2-methylphenol	0.128	0.134		4.7	
n-Nitrosodiphenylamine	0.639	0.685		7.2	20.0
2,4,6-Tribromophenol	0.255	0.270		5.9	
4-Bromophenyl-phenylether	0.250	0.275		10.0	
Hexachlorobenzene	0.307	0.333		8.5	
Atrazine	0.210	0.202		-3.8	
Pentachlorophenol	0.146	0.160		9.6	20.0
Phenanthrene	0.994	1.034		4.0	
Anthracene	1.026	1.032		0.6	
Carbazole	0.874	0.880		0.7	
Di-n-butylphthalate	1.071	1.039		-3.0	
Fluoranthene	1.098	1.041		-5.2	20.0
Pyrene	1.438	1.685		17.2	
Terphenyl-d14	1.144	1.306		14.2	
Butylbenzylphthalate	0.544	0.551		1.3	
3,3-Dichlorobenzidine	0.470	0.505		7.4	
Benzo (a) anthracene	1.352	1.462		8.1	
Chrysene	1.268	1.310		3.3	
Bis(2-ethylhexyl)phthalate	0.743	0.742		-0.1	
Di-n-octyl phthalate	1.277	1.328		4.0	20.0
Benzo (b) fluoranthene	1.131	1.120		-1.0	
Benzo (k) fluoranthene	1.043	1.032		-1.1	
Benzo (a) pyrene	1.014	1.060		4.5	20.0
Indeno (1,2,3-cd) pyrene	1.373	1.510		10.0	
Dibenzo (a,h) anthracene	1.087	1.187		9.2	
Benzo (g,h,i) perylene	1.093	1.200		9.8	
1,2,4,5-Tetrachlorobenzene	0.687	0.712		3.6	
1,4-Dioxane	0.546	0.545		-0.2	20.0
2,3,4,6-Tetrachlorophenol	0.330	0.362		9.7	

All other compounds must meet a minimum RRF of 0.010.