

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	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 : 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	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	370	U	1	170	370	ug/Kg	10/22/25 15:49	PB170206
108-95-2	Phenol	190	U	1	24.5	190	ug/Kg	10/22/25 15:49	PB170206
111-44-4	bis(2-Chloroethyl)ether	190	U	1	26.9	190	ug/Kg	10/22/25 15:49	PB170206
95-57-8	2-Chlorophenol	190	U	1	27.1	190	ug/Kg	10/22/25 15:49	PB170206
95-48-7	2-Methylphenol	190	U	1	33.2	190	ug/Kg	10/22/25 15:49	PB170206
108-60-1	2,2-oxybis(1-Chloropropane)	190	U	1	41.6	190	ug/Kg	10/22/25 15:49	PB170206
98-86-2	Acetophenone	190	U	1	32.7	190	ug/Kg	10/22/25 15:49	PB170206
65794-96-9	3+4-Methylphenols	370	U	1	45.6	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	ug/Kg	10/22/25 15:49	PB170206
67-72-1	Hexachloroethane	190	U	1	19.5	190	ug/Kg	10/22/25 15:49	PB170206
98-95-3	Nitrobenzene	190	U	1	20.3	190	ug/Kg	10/22/25 15:49	PB170206
78-59-1	Isophorone	190	U	1	36.4	190	ug/Kg	10/22/25 15:49	PB170206
88-75-5	2-Nitrophenol	190	U	1	64.5	190	ug/Kg	10/22/25 15:49	PB170206
105-67-9	2,4-Dimethylphenol	190	U	1	71.9	190	ug/Kg	10/22/25 15:49	PB170206
111-91-1	bis(2-Chloroethoxy)methane	190	U	1	34.2	190	ug/Kg	10/22/25 15:49	PB170206
120-83-2	2,4-Dichlorophenol	190	U	1	31.4	190	ug/Kg	10/22/25 15:49	PB170206
91-20-3	Naphthalene	190	U	1	25.2	190	ug/Kg	10/22/25 15:49	PB170206
106-47-8	4-Chloroaniline	190	U	1	39.3	190	ug/Kg	10/22/25 15:49	PB170206
87-68-3	Hexachlorobutadiene	190	U	1	28.1	190	ug/Kg	10/22/25 15:49	PB170206
105-60-2	Caprolactam	370	U	1	57.8	370	ug/Kg	10/22/25 15:49	PB170206
59-50-7	4-Chloro-3-methylphenol	190	U	1	31.8	190	ug/Kg	10/22/25 15:49	PB170206
91-57-6	2-Methylnaphthalene	190	U	1	28.4	190	ug/Kg	10/22/25 15:49	PB170206
77-47-4	Hexachlorocyclopentadiene	370	U	1	130	370	ug/Kg	10/22/25 15:49	PB170206
88-06-2	2,4,6-Trichlorophenol	190	U	1	22.0	190	ug/Kg	10/22/25 15:49	PB170206
95-95-4	2,4,5-Trichlorophenol	190	U	1	32.3	190	ug/Kg	10/22/25 15:49	PB170206
92-52-4	1,1-Biphenyl	190	U	1	24.2	190	ug/Kg	10/22/25 15:49	PB170206
91-58-7	2-Chloronaphthalene	190	U	1	25.0	190	ug/Kg	10/22/25 15:49	PB170206
88-74-4	2-Nitroaniline	190	U	1	53.3	190	ug/Kg	10/22/25 15:49	PB170206
131-11-3	Dimethylphthalate	190	U	1	30.1	190	ug/Kg	10/22/25 15:49	PB170206
208-96-8	Acenaphthylene	190	U	1	32.1	190	ug/Kg	10/22/25 15:49	PB170206
606-20-2	2,6-Dinitrotoluene	190	U	1	37.3	190	ug/Kg	10/22/25 15:49	PB170206
99-09-2	3-Nitroaniline	190	U	1	51.0	190	ug/Kg	10/22/25 15:49	PB170206
83-32-9	Acenaphthene	190	U	1	23.6	190	ug/Kg	10/22/25 15:49	PB170206
51-28-5	2,4-Dinitrophenol	370	U	1	250	370	ug/Kg	10/22/25 15:49	PB170206
100-02-7	4-Nitrophenol	370	U	1	120	370	ug/Kg	10/22/25 15:49	PB170206
132-64-9	Dibenzofuran	190	U	1	25.2	190	ug/Kg	10/22/25 15:49	PB170206
121-14-2	2,4-Dinitrotoluene	190	U	1	55.6	190	ug/Kg	10/22/25 15:49	PB170206
84-66-2	Diethylphthalate	190	U	1	31.4	190	ug/Kg	10/22/25 15:49	PB170206
7005-72-3	4-Chlorophenyl-phenylether	190	U	1	29.6	190	ug/Kg	10/22/25 15:49	PB170206
86-73-7	Fluorene	190	U	1	28.1	190	ug/Kg	10/22/25 15:49	PB170206
100-01-6	4-Nitroaniline	190	U	1	71.2	190	ug/Kg	10/22/25 15:49	PB170206
534-52-1	4,6-Dinitro-2-methylphenol	370	U	1	110	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 : 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	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	190	U	1	36.5	190	ug/Kg	10/22/25 15:49	PB170206
101-55-3	4-Bromophenyl-phenylether	190	U	1	30.8	190	ug/Kg	10/22/25 15:49	PB170206
118-74-1	Hexachlorobenzene	190	U	1	28.1	190	ug/Kg	10/22/25 15:49	PB170206
1912-24-9	Atrazine	190	U	1	37.7	190	ug/Kg	10/22/25 15:49	PB170206
87-86-5	Pentachlorophenol	370	U	1	56.9	370	ug/Kg	10/22/25 15:49	PB170206
85-01-8	Phenanthrene	190	U	1	23.2	190	ug/Kg	10/22/25 15:49	PB170206
120-12-7	Anthracene	190	U	1	36.9	190	ug/Kg	10/22/25 15:49	PB170206
86-74-8	Carbazole	190	U	1	34.6	190	ug/Kg	10/22/25 15:49	PB170206
84-74-2	Di-n-butylphthalate	190	U	1	53.1	190	ug/Kg	10/22/25 15:49	PB170206
206-44-0	Fluoranthene	190	U	1	33.3	190	ug/Kg	10/22/25 15:49	PB170206
129-00-0	Pyrene	190	U	1	39.9	190	ug/Kg	10/22/25 15:49	PB170206
85-68-7	Butylbenzylphthalate	190	U	1	79.2	190	ug/Kg	10/22/25 15:49	PB170206
91-94-1	3,3-Dichlorobenzidine	370	U	1	40.7	370	ug/Kg	10/22/25 15:49	PB170206
56-55-3	Benzo(a)anthracene	190	U	1	25.5	190	ug/Kg	10/22/25 15:49	PB170206
218-01-9	Chrysene	190	U	1	22.1	190	ug/Kg	10/22/25 15:49	PB170206
117-81-7	Bis(2-ethylhexyl)phthalate	190	U	1	65.7	190	ug/Kg	10/22/25 15:49	PB170206
117-84-0	Di-n-octyl phthalate	370	U	1	96.3	370	ug/Kg	10/22/25 15:49	PB170206
205-99-2	Benzo(b)fluoranthene	190	U	1	21.1	190	ug/Kg	10/22/25 15:49	PB170206
207-08-9	Benzo(k)fluoranthene	190	U	1	24.8	190	ug/Kg	10/22/25 15:49	PB170206
50-32-8	Benzo(a)pyrene	190	U	1	32.7	190	ug/Kg	10/22/25 15:49	PB170206
193-39-5	Indeno(1,2,3-cd)pyrene	190	U	1	32.3	190	ug/Kg	10/22/25 15:49	PB170206
53-70-3	Dibenzo(a,h)anthracene	190	U	1	30.4	190	ug/Kg	10/22/25 15:49	PB170206
191-24-2	Benzo(g,h,i)perylene	190	U	1	28.5	190	ug/Kg	10/22/25 15:49	PB170206
95-94-3	1,2,4,5-Tetrachlorobenzene	190	U	1	28.4	190	ug/Kg	10/22/25 15:49	PB170206
123-91-1	1,4-Dioxane	190	U	1	50.1	190	ug/Kg	10/22/25 15:49	PB170206
58-90-2	2,3,4,6-Tetrachlorophenol	190	U	1	30.4	190	ug/Kg	10/22/25 15:49	PB170206

SURROGATES

367-12-4	2-Fluorophenol	93.5		18 - 112	62%	SPK: 150
13127-88-3	Phenol-d6	89.9		15 - 107	60%	SPK: 150
4165-60-0	Nitrobenzene-d5	67.4		18 - 107	67%	SPK: 100
321-60-8	2-Fluorobiphenyl	70.9		20 - 109	71%	SPK: 100
118-79-6	2,4,6-Tribromophenol	107		10 - 116	71%	SPK: 150
1718-51-0	Terphenyl-d14	48.6		10 - 105	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 :	SW3541		
	Level : LOW		
	Final Vol: 1000 uL		
	Prep Date: 10/22/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	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		18	112
		Phenol-d6	150	129	86		15	107
		Nitrobenzene-d5	100	86.7	87		18	107
		2-Fluorobiphenyl	100	84.7	85		20	109
		2,4,6-Tribromophenol	150	152	102		10	116
		Terphenyl-d14	100	105	105		10	105
PB170206BS	PB170206BS	2-Fluorophenol	150	108	72		18	112
		Phenol-d6	150	112	75		15	107
		Nitrobenzene-d5	100	78.4	78		18	107
		2-Fluorobiphenyl	100	77.8	78		20	109
		2,4,6-Tribromophenol	150	121	81		10	116
		Terphenyl-d14	100	95.7	96		10	105
Q3399-01	COMP-ROLLOFF	2-Fluorophenol	150	93.5	62		18	112
		Phenol-d6	150	89.9	60		15	107
		Nitrobenzene-d5	100	67.4	67		18	107
		2-Fluorobiphenyl	100	70.9	71		20	109
		2,4,6-Tribromophenol	150	107	71		10	116
		Terphenyl-d14	100	48.6	49		10	105
Q3399-01MS	COMP-ROLLOFFMS	2-Fluorophenol	150	90.7	60		18	112
		Phenol-d6	150	85.1	57		15	107
		Nitrobenzene-d5	100	66.5	66		18	107
		2-Fluorobiphenyl	100	64.8	65		20	109
		2,4,6-Tribromophenol	150	104	69		10	116
		Terphenyl-d14	100	50.5	51		10	105
Q3399-01MSD	COMP-ROLLOFFMSD	2-Fluorophenol	150	95.5	64		18	112
		Phenol-d6	150	89.5	60		15	107
		Nitrobenzene-d5	100	68.4	68		18	107
		2-Fluorobiphenyl	100	67.5	68		20	109
		2,4,6-Tribromophenol	150	105	70		10	116
		Terphenyl-d14	100	53.4	53		10	105

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	171	
Phenol	1800	0	1600	ug/Kg	89				51	122	
bis(2-Chloroethyl)ether	1800	0	1600	ug/Kg	89				54	125	
2-Chlorophenol	1800	0	1700	ug/Kg	94				51	121	
2-Methylphenol	1800	0	1600	ug/Kg	89				47	125	
2,2-oxybis(1-Chloropropane)	1800	0	1300	ug/Kg	72				46	119	
Acetophenone	1800	0	2000	ug/Kg	111				55	128	
3+4-Methylphenols	1800	0	1600	ug/Kg	89				49	125	
N-Nitroso-di-n-propylamine	1800	0	1500	ug/Kg	83				59	119	
Hexachloroethane	1800	0	1800	ug/Kg	100				51	116	
Nitrobenzene	1800	0	1800	ug/Kg	100				47	124	
Isophorone	1800	0	1700	ug/Kg	94				49	127	
2-Nitrophenol	1800	0	2000	ug/Kg	111				43	131	
2,4-Dimethylphenol	1800	0	1900	ug/Kg	106				63	151	
bis(2-Chloroethoxy)methane	1800	0	1700	ug/Kg	94				51	119	
2,4-Dichlorophenol	1800	0	1800	ug/Kg	100				50	122	
Naphthalene	1800	0	1800	ug/Kg	100				51	121	
4-Chloroaniline	1800	0	780	ug/Kg	43				10	100	
Hexachlorobutadiene	1800	0	2000	ug/Kg	111				44	126	
Caprolactam	1800	0	1600	ug/Kg	89				51	134	
4-Chloro-3-methylphenol	1800	0	1700	ug/Kg	94				57	132	
2-Methylnaphthalene	1800	0	1600	ug/Kg	89				59	123	
Hexachlorocyclopentadiene	3700	0	2500	ug/Kg	68				10	175	
2,4,6-Trichlorophenol	1800	0	1800	ug/Kg	100				33	141	
2,4,5-Trichlorophenol	1800	0	1800	ug/Kg	100				38	135	
1,1-Biphenyl	1800	0	2000	ug/Kg	111				55	131	
2-Chloronaphthalene	1800	0	1800	ug/Kg	100				48	124	
2-Nitroaniline	1800	0	1800	ug/Kg	100				47	134	
Dimethylphthalate	1800	0	1800	ug/Kg	100				54	120	
Acenaphthylene	1800	0	2000	ug/Kg	111				57	125	
2,6-Dinitrotoluene	1800	0	2100	ug/Kg	117				48	127	
3-Nitroaniline	1800	0	1300	ug/Kg	72				10	112	
Acenaphthene	1800	0	1800	ug/Kg	100				70	121	
2,4-Dinitrophenol	3700	0	2800	ug/Kg	76				10	155	
4-Nitrophenol	3700	0	3100	ug/Kg	84				10	175	
Dibenzofuran	1800	0	1800	ug/Kg	100				52	114	
2,4-Dinitrotoluene	1800	0	2000	ug/Kg	111				41	140	
Diethylphthalate	1800	0	1800	ug/Kg	100				51	119	
4-Chlorophenyl-phenylether	1800	0	1800	ug/Kg	100				48	122	
Fluorene	1800	0	1800	ug/Kg	100				53	118	
4-Nitroaniline	1800	0	1700	ug/Kg	94				29	140	
4,6-Dinitro-2-methylphenol	1800	0	2000	ug/Kg	111				10	160	
N-Nitrosodiphenylamine	1800	0	1900	ug/Kg	106				73	118	
4-Bromophenyl-phenylether	1800	0	1900	ug/Kg	106				65	121	
Hexachlorobenzene	1800	0	2000	ug/Kg	111				67	118	
Atrazine	1800	0	2000	ug/Kg	111				45	175	

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				13	153	
Phenanthrene	1800	0	1800	ug/Kg	100				52	128	
Anthracene	1800	0	1900	ug/Kg	106				62	124	
Carbazole	1800	0	1900	ug/Kg	106				59	119	
Di-n-butylphthalate	1800	0	1900	ug/Kg	106				55	125	
Fluoranthene	1800	0	2000	ug/Kg	111				44	125	
Pyrene	1800	0	1400	ug/Kg	78				37	122	
Butylbenzylphthalate	1800	0	1700	ug/Kg	94				44	135	
3,3-Dichlorobenzidine	1800	0	1600	ug/Kg	89				15	112	
Benzo(a)anthracene	1800	0	1800	ug/Kg	100				53	119	
Chrysene	1800	0	1900	ug/Kg	106				57	121	
bis(2-Ethylhexyl)phthalate	1800	0	2000	ug/Kg	111				42	169	
Di-n-octyl phthalate	1800	0	2200	ug/Kg	122				51	156	
Benzo(b)fluoranthene	1800	0	1900	ug/Kg	106				52	117	
Benzo(k)fluoranthene	1800	0	1800	ug/Kg	100				57	134	
Benzo(a)pyrene	1800	0	1900	ug/Kg	106				70	142	
Indeno(1,2,3-cd)pyrene	1800	0	1500	ug/Kg	83				40	129	
Dibenz(a,h)anthracene	1800	0	1600	ug/Kg	89				43	123	
Benzo(g,h,i)perylene	1800	0	1400	ug/Kg	78				24	125	
1,2,4,5-Tetrachlorobenzene	1800	0	2100	ug/Kg	117				52	134	
1,4-Dioxane	1800	0	1600	ug/Kg	89				46	112	
2,3,4,6-Tetrachlorophenol	1800	0	1900	ug/Kg	106				24	146	

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	171	20
Phenol	1900	0	1700	ug/Kg	89	0			51	122	20
bis(2-Chloroethyl)ether	1900	0	1600	ug/Kg	84	6			54	125	20
2-Chlorophenol	1900	0	1800	ug/Kg	95	1			51	121	20
2-Methylphenol	1900	0	1700	ug/Kg	89	0			47	125	20
2,2-oxybis(1-Chloropropane)	1900	0	1400	ug/Kg	74	3			46	119	20
Acetophenone	1900	0	2000	ug/Kg	105	6			55	128	20
3+4-Methylphenols	1900	0	1700	ug/Kg	89	0			49	125	20
N-Nitroso-di-n-propylamine	1900	0	1700	ug/Kg	89	7			59	119	20
Hexachloroethane	1900	0	1900	ug/Kg	100	0			51	116	20
Nitrobenzene	1900	0	1900	ug/Kg	100	0			47	124	20
Isophorone	1900	0	1700	ug/Kg	89	5			49	127	20
2-Nitrophenol	1900	0	2100	ug/Kg	111	0			43	131	20
2,4-Dimethylphenol	1900	0	2000	ug/Kg	105	1			63	151	20
bis(2-Chloroethoxy)methane	1900	0	1700	ug/Kg	89	5			51	119	20
2,4-Dichlorophenol	1900	0	1800	ug/Kg	95	5			50	122	20
Naphthalene	1900	0	1800	ug/Kg	95	5			51	121	20
4-Chloroaniline	1900	0	760	ug/Kg	40	7			10	100	20
Hexachlorobutadiene	1900	0	2100	ug/Kg	111	0			44	126	20
Caprolactam	1900	0	1700	ug/Kg	89	0			51	134	20
4-Chloro-3-methylphenol	1900	0	1800	ug/Kg	95	1			57	132	20
2-Methylnaphthalene	1900	0	1700	ug/Kg	89	0			59	123	20
Hexachlorocyclopentadiene	3700	0	2800	ug/Kg	76	11			10	175	20
2,4,6-Trichlorophenol	1900	0	1900	ug/Kg	100	0			33	141	20
2,4,5-Trichlorophenol	1900	0	2000	ug/Kg	105	5			38	135	20
1,1-Biphenyl	1900	0	2100	ug/Kg	111	0			55	131	20
2-Chloronaphthalene	1900	0	1900	ug/Kg	100	0			48	124	20
2-Nitroaniline	1900	0	1900	ug/Kg	100	0			47	134	20
Dimethylphthalate	1900	0	1900	ug/Kg	100	0			54	120	20
Acenaphthylene	1900	0	2100	ug/Kg	111	0			57	125	20
2,6-Dinitrotoluene	1900	0	2200	ug/Kg	116	1			48	127	20
3-Nitroaniline	1900	0	1300	ug/Kg	68	6			10	112	20
Acenaphthene	1900	0	1900	ug/Kg	100	0			70	121	20
2,4-Dinitrophenol	3700	0	2800	ug/Kg	76	0			10	155	20
4-Nitrophenol	3700	0	3000	ug/Kg	81	4			10	175	20
Dibenzofuran	1900	0	1800	ug/Kg	95	5			52	114	20
2,4-Dinitrotoluene	1900	0	2100	ug/Kg	111	0			41	140	20
Diethylphthalate	1900	0	1900	ug/Kg	100	0			51	119	20
4-Chlorophenyl-phenylether	1900	0	1900	ug/Kg	100	0			48	122	20
Fluorene	1900	0	1900	ug/Kg	100	0			53	118	20
4-Nitroaniline	1900	0	1800	ug/Kg	95	1			29	140	20
4,6-Dinitro-2-methylphenol	1900	0	2200	ug/Kg	116	4			10	160	20
N-Nitrosodiphenylamine	1900	0	1900	ug/Kg	100	6			73	118	20
4-Bromophenyl-phenylether	1900	0	2000	ug/Kg	105	1			65	121	20
Hexachlorobenzene	1900	0	2000	ug/Kg	105	6			67	118	20
Atrazine	1900	0	2100	ug/Kg	111	0			45	175	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		13	153	20
Phenanthrene	1900	0	1900	ug/Kg	100		0		52	128	20
Anthracene	1900	0	1900	ug/Kg	100		6		62	124	20
Carbazole	1900	0	1900	ug/Kg	100		6		59	119	20
Di-n-butylphthalate	1900	0	1900	ug/Kg	100		6		55	125	20
Fluoranthene	1900	0	2000	ug/Kg	105		6		44	125	20
Pyrene	1900	0	1400	ug/Kg	74		5		37	122	20
Butylbenzylphthalate	1900	0	1800	ug/Kg	95		1		44	135	20
3,3-Dichlorobenzidine	1900	0	1700	ug/Kg	89		0		15	112	20
Benzo(a)anthracene	1900	0	1900	ug/Kg	100		0		53	119	20
Chrysene	1900	0	2000	ug/Kg	105		1		57	121	20
bis(2-Ethylhexyl)phthalate	1900	0	2100	ug/Kg	111		0		42	169	20
Di-n-octyl phthalate	1900	0	2300	ug/Kg	121		1		51	156	20
Benzo(b)fluoranthene	1900	0	1900	ug/Kg	100		6		52	117	20
Benzo(k)fluoranthene	1900	0	1800	ug/Kg	95		5		57	134	20
Benzo(a)pyrene	1900	0	2000	ug/Kg	105		1		70	142	20
Indeno(1,2,3-cd)pyrene	1900	0	1500	ug/Kg	79		5		40	129	20
Dibenz(a,h)anthracene	1900	0	1600	ug/Kg	84		6		43	123	20
Benzo(g,h,i)perylene	1900	0	1400	ug/Kg	74		5		24	125	20
1,2,4,5-Tetrachlorobenzene	1900	0	2300	ug/Kg	121		3		52	134	20
1,4-Dioxane	1900	0	1700	ug/Kg	89		0		46	112	20
2,3,4,6-Tetrachlorophenol	1900	0	2000	ug/Kg	105		1		24	146	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		RPD
								Qual	Low	High	
PB170206BS	Benzaldehyde	1700	830	ug/Kg	49				10	133	
	Phenol	1700	1300	ug/Kg	76				62	112	
	bis(2-Chloroethyl)ether	1700	1400	ug/Kg	82				60	101	
	2-Chlorophenol	1700	1300	ug/Kg	76				65	112	
	2-Methylphenol	1700	1400	ug/Kg	82				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1400	ug/Kg	82				51	100	
	Acetophenone	1700	1600	ug/Kg	94				66	98	
	3+4-Methylphenols	1700	1400	ug/Kg	82				58	111	
	N-Nitroso-di-n-propylamine	1700	1500	ug/Kg	88				63	95	
	Hexachloroethane	1700	1300	ug/Kg	76				72	108	
	Nitrobenzene	1700	1400	ug/Kg	82				57	101	
	Isophorone	1700	1500	ug/Kg	88				59	99	
	2-Nitrophenol	1700	1500	ug/Kg	88				61	111	
	2,4-Dimethylphenol	1700	1600	ug/Kg	94				46	141	
	bis(2-Chloroethoxy)methane	1700	1500	ug/Kg	88				66	97	
	2,4-Dichlorophenol	1700	1400	ug/Kg	82				62	107	
	Naphthalene	1700	1400	ug/Kg	82				62	100	
	4-Chloroaniline	1700	770	ug/Kg	45				16	100	
	Hexachlorobutadiene	1700	1300	ug/Kg	76				53	98	
	Caprolactam	1700	1600	ug/Kg	94				67	110	
	4-Chloro-3-methylphenol	1700	1500	ug/Kg	88				58	112	
	2-Methylnaphthalene	1700	1300	ug/Kg	76				60	104	
	Hexachlorocyclopentadiene	3300	4500	ug/Kg	136				45	165	
	2,4,6-Trichlorophenol	1700	1400	ug/Kg	82				59	102	
	2,4,5-Trichlorophenol	1700	1500	ug/Kg	88				61	98	
	1,1-Biphenyl	1700	1500	ug/Kg	88				57	103	
	2-Chloronaphthalene	1700	1400	ug/Kg	82				58	99	
	2-Nitroaniline	1700	1500	ug/Kg	88				66	101	
	Dimethylphthalate	1700	1500	ug/Kg	88				61	99	
	Acenaphthylene	1700	1600	ug/Kg	94				63	101	
	2,6-Dinitrotoluene	1700	1600	ug/Kg	94				61	104	
	3-Nitroaniline	1700	980	ug/Kg	58				28	100	
	Acenaphthene	1700	1500	ug/Kg	88				57	104	
	2,4-Dinitrophenol	3300	3200	ug/Kg	97				37	128	
	4-Nitrophenol	3300	2800	ug/Kg	85				48	119	
	Dibenzofuran	1700	1400	ug/Kg	82				63	99	
	2,4-Dinitrotoluene	1700	1500	ug/Kg	88				60	106	
	Diethylphthalate	1700	1500	ug/Kg	88				60	101	
	4-Chlorophenyl-phenylether	1700	1400	ug/Kg	82				58	98	
	Fluorene	1700	1400	ug/Kg	82				61	101	
	4-Nitroaniline	1700	1400	ug/Kg	82				64	103	
	4,6-Dinitro-2-methylphenol	1700	1400	ug/Kg	82				76	113	
	N-Nitrosodiphenylamine	1700	1500	ug/Kg	88				71	99	
	4-Bromophenyl-phenylether	1700	1400	ug/Kg	82				66	102	

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				64	98	
	Atrazine	1700	1400	ug/Kg	82				47	152	
	Pentachlorophenol	3300	3000	ug/Kg	91				67	105	
	Phenanthrene	1700	1400	ug/Kg	82				59	103	
	Anthracene	1700	1400	ug/Kg	82				61	105	
	Carbazole	1700	1400	ug/Kg	82				61	99	
	Di-n-butylphthalate	1700	1300	ug/Kg	76				58	104	
	Fluoranthene	1700	1200	ug/Kg	71				57	107	
	Pyrene	1700	1700	ug/Kg	100				59	103	
	Butylbenzylphthalate	1700	1500	ug/Kg	88				55	103	
	3,3-Dichlorobenzidine	1700	1000	ug/Kg	59				42	91	
	Benzo(a)anthracene	1700	1500	ug/Kg	88				60	102	
	Chrysene	1700	1400	ug/Kg	82				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1400	ug/Kg	82				54	135	
	Di-n-octyl phthalate	1700	1400	ug/Kg	82				52	137	
	Benzo(b)fluoranthene	1700	1500	ug/Kg	88				62	109	
	Benzo(k)fluoranthene	1700	1400	ug/Kg	82				62	109	
	Benzo(a)pyrene	1700	1600	ug/Kg	94				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1500	ug/Kg	88				63	101	
	Dibenz(a,h)anthracene	1700	1500	ug/Kg	88				61	112	
	Benzo(g,h,i)perylene	1700	1600	ug/Kg	94				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1500	ug/Kg	88				53	101	
	1,4-Dioxane	1700	1100	ug/Kg	65				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1600	ug/Kg	94				59	108	

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 : 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	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	330	U	1	160	330	ug/Kg	10/27/25 10:57	PB170206
108-95-2	Phenol	170	U	1	22.1	170	ug/Kg	10/27/25 10:57	PB170206
111-44-4	bis(2-Chloroethyl)ether	170	U	1	24.3	170	ug/Kg	10/27/25 10:57	PB170206
95-57-8	2-Chlorophenol	170	U	1	24.4	170	ug/Kg	10/27/25 10:57	PB170206
95-48-7	2-Methylphenol	170	U	1	29.9	170	ug/Kg	10/27/25 10:57	PB170206
108-60-1	2,2-oxybis(1-Chloropropane)	170	U	1	37.5	170	ug/Kg	10/27/25 10:57	PB170206
98-86-2	Acetophenone	170	U	1	29.5	170	ug/Kg	10/27/25 10:57	PB170206
65794-96-9	3+4-Methylphenols	330	U	1	41.1	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	ug/Kg	10/27/25 10:57	PB170206
67-72-1	Hexachloroethane	170	U	1	17.6	170	ug/Kg	10/27/25 10:57	PB170206
98-95-3	Nitrobenzene	170	U	1	18.3	170	ug/Kg	10/27/25 10:57	PB170206
78-59-1	Isophorone	170	U	1	32.8	170	ug/Kg	10/27/25 10:57	PB170206
88-75-5	2-Nitrophenol	170	U	1	58.2	170	ug/Kg	10/27/25 10:57	PB170206
105-67-9	2,4-Dimethylphenol	170	U	1	64.8	170	ug/Kg	10/27/25 10:57	PB170206
111-91-1	bis(2-Chloroethoxy)methane	170	U	1	30.8	170	ug/Kg	10/27/25 10:57	PB170206
120-83-2	2,4-Dichlorophenol	170	U	1	28.3	170	ug/Kg	10/27/25 10:57	PB170206
91-20-3	Naphthalene	170	U	1	22.7	170	ug/Kg	10/27/25 10:57	PB170206
106-47-8	4-Chloroaniline	170	U	1	35.4	170	ug/Kg	10/27/25 10:57	PB170206
87-68-3	Hexachlorobutadiene	170	U	1	25.3	170	ug/Kg	10/27/25 10:57	PB170206
105-60-2	Caprolactam	330	U	1	52.1	330	ug/Kg	10/27/25 10:57	PB170206
59-50-7	4-Chloro-3-methylphenol	170	U	1	28.7	170	ug/Kg	10/27/25 10:57	PB170206
91-57-6	2-Methylnaphthalene	170	U	1	25.6	170	ug/Kg	10/27/25 10:57	PB170206
77-47-4	Hexachlorocyclopentadiene	330	U	1	120	330	ug/Kg	10/27/25 10:57	PB170206
88-06-2	2,4,6-Trichlorophenol	170	U	1	19.8	170	ug/Kg	10/27/25 10:57	PB170206
95-95-4	2,4,5-Trichlorophenol	170	U	1	29.1	170	ug/Kg	10/27/25 10:57	PB170206
92-52-4	1,1-Biphenyl	170	U	1	21.8	170	ug/Kg	10/27/25 10:57	PB170206
91-58-7	2-Chloronaphthalene	170	U	1	22.5	170	ug/Kg	10/27/25 10:57	PB170206
88-74-4	2-Nitroaniline	170	U	1	48.1	170	ug/Kg	10/27/25 10:57	PB170206
131-11-3	Dimethylphthalate	170	U	1	27.1	170	ug/Kg	10/27/25 10:57	PB170206
208-96-8	Acenaphthylene	170	U	1	28.9	170	ug/Kg	10/27/25 10:57	PB170206
606-20-2	2,6-Dinitrotoluene	170	U	1	33.6	170	ug/Kg	10/27/25 10:57	PB170206
99-09-2	3-Nitroaniline	170	U	1	46.0	170	ug/Kg	10/27/25 10:57	PB170206
83-32-9	Acenaphthene	170	U	1	21.3	170	ug/Kg	10/27/25 10:57	PB170206
51-28-5	2,4-Dinitrophenol	330	U	1	230	330	ug/Kg	10/27/25 10:57	PB170206
100-02-7	4-Nitrophenol	330	U	1	110	330	ug/Kg	10/27/25 10:57	PB170206
132-64-9	Dibenzofuran	170	U	1	22.7	170	ug/Kg	10/27/25 10:57	PB170206
121-14-2	2,4-Dinitrotoluene	170	U	1	50.1	170	ug/Kg	10/27/25 10:57	PB170206
84-66-2	Diethylphthalate	170	U	1	28.3	170	ug/Kg	10/27/25 10:57	PB170206
7005-72-3	4-Chlorophenyl-phenylether	170	U	1	26.7	170	ug/Kg	10/27/25 10:57	PB170206
86-73-7	Fluorene	170	U	1	25.3	170	ug/Kg	10/27/25 10:57	PB170206
100-01-6	4-Nitroaniline	170	U	1	64.2	170	ug/Kg	10/27/25 10:57	PB170206
534-52-1	4,6-Dinitro-2-methylphenol	330	U	1	100	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 : 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	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	170	U	1	32.9	170	ug/Kg	10/27/25 10:57	PB170206
101-55-3	4-Bromophenyl-phenylether	170	U	1	27.8	170	ug/Kg	10/27/25 10:57	PB170206
118-74-1	Hexachlorobenzene	170	U	1	25.3	170	ug/Kg	10/27/25 10:57	PB170206
1912-24-9	Atrazine	170	U	1	34.0	170	ug/Kg	10/27/25 10:57	PB170206
87-86-5	Pentachlorophenol	330	U	1	51.3	330	ug/Kg	10/27/25 10:57	PB170206
85-01-8	Phenanthrene	170	U	1	20.9	170	ug/Kg	10/27/25 10:57	PB170206
120-12-7	Anthracene	170	U	1	33.3	170	ug/Kg	10/27/25 10:57	PB170206
86-74-8	Carbazole	170	U	1	31.2	170	ug/Kg	10/27/25 10:57	PB170206
84-74-2	Di-n-butylphthalate	170	U	1	47.9	170	ug/Kg	10/27/25 10:57	PB170206
206-44-0	Fluoranthene	170	U	1	30.0	170	ug/Kg	10/27/25 10:57	PB170206
129-00-0	Pyrene	170	U	1	36.0	170	ug/Kg	10/27/25 10:57	PB170206
85-68-7	Butylbenzylphthalate	170	U	1	71.4	170	ug/Kg	10/27/25 10:57	PB170206
91-94-1	3,3-Dichlorobenzidine	330	U	1	36.7	330	ug/Kg	10/27/25 10:57	PB170206
56-55-3	Benzo(a)anthracene	170	U	1	23.0	170	ug/Kg	10/27/25 10:57	PB170206
218-01-9	Chrysene	170	U	1	19.9	170	ug/Kg	10/27/25 10:57	PB170206
117-81-7	Bis(2-ethylhexyl)phthalate	170	U	1	59.2	170	ug/Kg	10/27/25 10:57	PB170206
117-84-0	Di-n-octyl phthalate	330	U	1	86.8	330	ug/Kg	10/27/25 10:57	PB170206
205-99-2	Benzo(b)fluoranthene	170	U	1	19.0	170	ug/Kg	10/27/25 10:57	PB170206
207-08-9	Benzo(k)fluoranthene	170	U	1	22.4	170	ug/Kg	10/27/25 10:57	PB170206
50-32-8	Benzo(a)pyrene	170	U	1	29.5	170	ug/Kg	10/27/25 10:57	PB170206
193-39-5	Indeno(1,2,3-cd)pyrene	170	U	1	29.1	170	ug/Kg	10/27/25 10:57	PB170206
53-70-3	Dibenzo(a,h)anthracene	170	U	1	27.4	170	ug/Kg	10/27/25 10:57	PB170206
191-24-2	Benzo(g,h,i)perylene	170	U	1	25.7	170	ug/Kg	10/27/25 10:57	PB170206
95-94-3	1,2,4,5-Tetrachlorobenzene	170	U	1	25.6	170	ug/Kg	10/27/25 10:57	PB170206
123-91-1	1,4-Dioxane	170	U	1	45.2	170	ug/Kg	10/27/25 10:57	PB170206
58-90-2	2,3,4,6-Tetrachlorophenol	170	U	1	27.4	170	ug/Kg	10/27/25 10:57	PB170206

SURROGATES

367-12-4	2-Fluorophenol	125		18 - 112	84%	SPK: 150
13127-88-3	Phenol-d6	129		15 - 107	86%	SPK: 150
4165-60-0	Nitrobenzene-d5	86.7		18 - 107	87%	SPK: 100
321-60-8	2-Fluorobiphenyl	84.7		20 - 109	85%	SPK: 100
118-79-6	2,4,6-Tribromophenol	152		10 - 116	102%	SPK: 150
1718-51-0	Terphenyl-d14	105		10 - 105	105%	SPK: 100

INTERNAL STANDARDS

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

TENTATIVE IDENTIFIED COMPOUNDS

006311-48-4	(1,1-Biphenyl)-4,4-diamine, N,N	240	J	17.2	ug/Kg
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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	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	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	830		1	160	330	ug/Kg	10/27/25 11:27	PB170206
108-95-2	Phenol	1300		1	22.1	170	ug/Kg	10/27/25 11:27	PB170206
111-44-4	bis(2-Chloroethyl)ether	1400		1	24.3	170	ug/Kg	10/27/25 11:27	PB170206
95-57-8	2-Chlorophenol	1300		1	24.4	170	ug/Kg	10/27/25 11:27	PB170206
95-48-7	2-Methylphenol	1400		1	29.9	170	ug/Kg	10/27/25 11:27	PB170206
108-60-1	2,2-oxybis(1-Chloropropane)	1400		1	37.5	170	ug/Kg	10/27/25 11:27	PB170206
98-86-2	Acetophenone	1600		1	29.5	170	ug/Kg	10/27/25 11:27	PB170206
65794-96-9	3+4-Methylphenols	1400		1	41.1	330	ug/Kg	10/27/25 11:27	PB170206
621-64-7	n-Nitroso-di-n-propylamine	1500		1	47.4	79.9	ug/Kg	10/27/25 11:27	PB170206
67-72-1	Hexachloroethane	1300		1	17.6	170	ug/Kg	10/27/25 11:27	PB170206
98-95-3	Nitrobenzene	1400		1	18.3	170	ug/Kg	10/27/25 11:27	PB170206
78-59-1	Isophorone	1500		1	32.8	170	ug/Kg	10/27/25 11:27	PB170206
88-75-5	2-Nitrophenol	1500		1	58.1	170	ug/Kg	10/27/25 11:27	PB170206
105-67-9	2,4-Dimethylphenol	1600		1	64.7	170	ug/Kg	10/27/25 11:27	PB170206
111-91-1	bis(2-Chloroethoxy)methane	1500		1	30.8	170	ug/Kg	10/27/25 11:27	PB170206
120-83-2	2,4-Dichlorophenol	1400		1	28.3	170	ug/Kg	10/27/25 11:27	PB170206
91-20-3	Naphthalene	1400		1	22.7	170	ug/Kg	10/27/25 11:27	PB170206
106-47-8	4-Chloroaniline	770		1	35.4	170	ug/Kg	10/27/25 11:27	PB170206
87-68-3	Hexachlorobutadiene	1300		1	25.3	170	ug/Kg	10/27/25 11:27	PB170206
105-60-2	Caprolactam	1600		1	52.0	330	ug/Kg	10/27/25 11:27	PB170206
59-50-7	4-Chloro-3-methylphenol	1500		1	28.7	170	ug/Kg	10/27/25 11:27	PB170206
91-57-6	2-Methylnaphthalene	1300		1	25.6	170	ug/Kg	10/27/25 11:27	PB170206
77-47-4	Hexachlorocyclopentadiene	4500	E	1	120	330	ug/Kg	10/27/25 11:27	PB170206
88-06-2	2,4,6-Trichlorophenol	1400		1	19.8	170	ug/Kg	10/27/25 11:27	PB170206
95-95-4	2,4,5-Trichlorophenol	1500		1	29.1	170	ug/Kg	10/27/25 11:27	PB170206
92-52-4	1,1-Biphenyl	1500		1	21.8	170	ug/Kg	10/27/25 11:27	PB170206
91-58-7	2-Chloronaphthalene	1400		1	22.5	170	ug/Kg	10/27/25 11:27	PB170206
88-74-4	2-Nitroaniline	1500		1	48.1	170	ug/Kg	10/27/25 11:27	PB170206
131-11-3	Dimethylphthalate	1500		1	27.1	170	ug/Kg	10/27/25 11:27	PB170206
208-96-8	Acenaphthylene	1600		1	28.9	170	ug/Kg	10/27/25 11:27	PB170206
606-20-2	2,6-Dinitrotoluene	1600		1	33.6	170	ug/Kg	10/27/25 11:27	PB170206
99-09-2	3-Nitroaniline	980		1	46.0	170	ug/Kg	10/27/25 11:27	PB170206
83-32-9	Acenaphthene	1500		1	21.3	170	ug/Kg	10/27/25 11:27	PB170206
51-28-5	2,4-Dinitrophenol	3200	E	1	230	330	ug/Kg	10/27/25 11:27	PB170206
100-02-7	4-Nitrophenol	2800	E	1	110	330	ug/Kg	10/27/25 11:27	PB170206
132-64-9	Dibenzofuran	1400		1	22.7	170	ug/Kg	10/27/25 11:27	PB170206
121-14-2	2,4-Dinitrotoluene	1500		1	50.0	170	ug/Kg	10/27/25 11:27	PB170206
84-66-2	Diethylphthalate	1500		1	28.3	170	ug/Kg	10/27/25 11:27	PB170206
7005-72-3	4-Chlorophenyl-phenylether	1400		1	26.7	170	ug/Kg	10/27/25 11:27	PB170206
86-73-7	Fluorene	1400		1	25.3	170	ug/Kg	10/27/25 11:27	PB170206
100-01-6	4-Nitroaniline	1400		1	64.1	170	ug/Kg	10/27/25 11:27	PB170206
534-52-1	4,6-Dinitro-2-methylphenol	1400		1	100	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 : 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	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	1500		1	32.9	170	ug/Kg	10/27/25 11:27	PB170206
101-55-3	4-Bromophenyl-phenylether	1400		1	27.8	170	ug/Kg	10/27/25 11:27	PB170206
118-74-1	Hexachlorobenzene	1500		1	25.3	170	ug/Kg	10/27/25 11:27	PB170206
1912-24-9	Atrazine	1400		1	34.0	170	ug/Kg	10/27/25 11:27	PB170206
87-86-5	Pentachlorophenol	3000	E	1	51.2	330	ug/Kg	10/27/25 11:27	PB170206
85-01-8	Phenanthrene	1400		1	20.9	170	ug/Kg	10/27/25 11:27	PB170206
120-12-7	Anthracene	1400		1	33.3	170	ug/Kg	10/27/25 11:27	PB170206
86-74-8	Carbazole	1400		1	31.2	170	ug/Kg	10/27/25 11:27	PB170206
84-74-2	Di-n-butylphthalate	1300		1	47.9	170	ug/Kg	10/27/25 11:27	PB170206
206-44-0	Fluoranthene	1200		1	30.0	170	ug/Kg	10/27/25 11:27	PB170206
129-00-0	Pyrene	1700		1	36.0	170	ug/Kg	10/27/25 11:27	PB170206
85-68-7	Butylbenzylphthalate	1500		1	71.3	170	ug/Kg	10/27/25 11:27	PB170206
91-94-1	3,3-Dichlorobenzidine	1000		1	36.7	330	ug/Kg	10/27/25 11:27	PB170206
56-55-3	Benzo(a)anthracene	1500		1	23.0	170	ug/Kg	10/27/25 11:27	PB170206
218-01-9	Chrysene	1400		1	19.9	170	ug/Kg	10/27/25 11:27	PB170206
117-81-7	Bis(2-ethylhexyl)phthalate	1400		1	59.1	170	ug/Kg	10/27/25 11:27	PB170206
117-84-0	Di-n-octyl phthalate	1400		1	86.7	330	ug/Kg	10/27/25 11:27	PB170206
205-99-2	Benzo(b)fluoranthene	1500		1	19.0	170	ug/Kg	10/27/25 11:27	PB170206
207-08-9	Benzo(k)fluoranthene	1400		1	22.4	170	ug/Kg	10/27/25 11:27	PB170206
50-32-8	Benzo(a)pyrene	1600		1	29.5	170	ug/Kg	10/27/25 11:27	PB170206
193-39-5	Indeno(1,2,3-cd)pyrene	1500		1	29.1	170	ug/Kg	10/27/25 11:27	PB170206
53-70-3	Dibenzo(a,h)anthracene	1500		1	27.4	170	ug/Kg	10/27/25 11:27	PB170206
191-24-2	Benzo(g,h,i)perylene	1600		1	25.7	170	ug/Kg	10/27/25 11:27	PB170206
95-94-3	1,2,4,5-Tetrachlorobenzene	1500		1	25.6	170	ug/Kg	10/27/25 11:27	PB170206
123-91-1	1,4-Dioxane	1100		1	45.2	170	ug/Kg	10/27/25 11:27	PB170206
58-90-2	2,3,4,6-Tetrachlorophenol	1600		1	27.4	170	ug/Kg	10/27/25 11:27	PB170206

SURROGATES

367-12-4	2-Fluorophenol	108		18 - 112	72%	SPK: 150
13127-88-3	Phenol-d6	112		15 - 107	75%	SPK: 150
4165-60-0	Nitrobenzene-d5	78.4		18 - 107	78%	SPK: 100
321-60-8	2-Fluorobiphenyl	77.8		20 - 109	78%	SPK: 100
118-79-6	2,4,6-Tribromophenol	121		10 - 116	81%	SPK: 150
1718-51-0	Terphenyl-d14	95.7		10 - 105	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	% 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	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 : 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	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	920		1	170	370	ug/Kg	10/22/25 16:48	PB170206
108-95-2	Phenol	1600		1	24.5	190	ug/Kg	10/22/25 16:48	PB170206
111-44-4	bis(2-Chloroethyl)ether	1600		1	27.0	190	ug/Kg	10/22/25 16:48	PB170206
95-57-8	2-Chlorophenol	1700		1	27.1	190	ug/Kg	10/22/25 16:48	PB170206
95-48-7	2-Methylphenol	1600		1	33.2	190	ug/Kg	10/22/25 16:48	PB170206
108-60-1	2,2-oxybis(1-Chloropropane)	1300		1	41.6	190	ug/Kg	10/22/25 16:48	PB170206
98-86-2	Acetophenone	2000		1	32.7	190	ug/Kg	10/22/25 16:48	PB170206
65794-96-9	3+4-Methylphenols	1600		1	45.6	370	ug/Kg	10/22/25 16:48	PB170206
621-64-7	n-Nitroso-di-n-propylamine	1500		1	52.6	88.8	ug/Kg	10/22/25 16:48	PB170206
67-72-1	Hexachloroethane	1800		1	19.5	190	ug/Kg	10/22/25 16:48	PB170206
98-95-3	Nitrobenzene	1800		1	20.3	190	ug/Kg	10/22/25 16:48	PB170206
78-59-1	Isophorone	1700		1	36.4	190	ug/Kg	10/22/25 16:48	PB170206
88-75-5	2-Nitrophenol	2000		1	64.6	190	ug/Kg	10/22/25 16:48	PB170206
105-67-9	2,4-Dimethylphenol	1900		1	71.9	190	ug/Kg	10/22/25 16:48	PB170206
111-91-1	bis(2-Chloroethoxy)methane	1700		1	34.2	190	ug/Kg	10/22/25 16:48	PB170206
120-83-2	2,4-Dichlorophenol	1800		1	31.4	190	ug/Kg	10/22/25 16:48	PB170206
91-20-3	Naphthalene	1800		1	25.2	190	ug/Kg	10/22/25 16:48	PB170206
106-47-8	4-Chloroaniline	780		1	39.3	190	ug/Kg	10/22/25 16:48	PB170206
87-68-3	Hexachlorobutadiene	2000		1	28.1	190	ug/Kg	10/22/25 16:48	PB170206
105-60-2	Caprolactam	1600		1	57.8	370	ug/Kg	10/22/25 16:48	PB170206
59-50-7	4-Chloro-3-methylphenol	1700		1	31.8	190	ug/Kg	10/22/25 16:48	PB170206
91-57-6	2-Methylnaphthalene	1600		1	28.4	190	ug/Kg	10/22/25 16:48	PB170206
77-47-4	Hexachlorocyclopentadiene	2500		1	130	370	ug/Kg	10/22/25 16:48	PB170206
88-06-2	2,4,6-Trichlorophenol	1800		1	22.0	190	ug/Kg	10/22/25 16:48	PB170206
95-95-4	2,4,5-Trichlorophenol	1800		1	32.3	190	ug/Kg	10/22/25 16:48	PB170206
92-52-4	1,1-Biphenyl	2000		1	24.2	190	ug/Kg	10/22/25 16:48	PB170206
91-58-7	2-Chloronaphthalene	1800		1	25.0	190	ug/Kg	10/22/25 16:48	PB170206
88-74-4	2-Nitroaniline	1800		1	53.4	190	ug/Kg	10/22/25 16:48	PB170206
131-11-3	Dimethylphthalate	1800		1	30.1	190	ug/Kg	10/22/25 16:48	PB170206
208-96-8	Acenaphthylene	2000		1	32.1	190	ug/Kg	10/22/25 16:48	PB170206
606-20-2	2,6-Dinitrotoluene	2100		1	37.3	190	ug/Kg	10/22/25 16:48	PB170206
99-09-2	3-Nitroaniline	1300		1	51.0	190	ug/Kg	10/22/25 16:48	PB170206
83-32-9	Acenaphthene	1800		1	23.6	190	ug/Kg	10/22/25 16:48	PB170206
51-28-5	2,4-Dinitrophenol	2800		1	250	370	ug/Kg	10/22/25 16:48	PB170206
100-02-7	4-Nitrophenol	3100	E	1	120	370	ug/Kg	10/22/25 16:48	PB170206
132-64-9	Dibenzofuran	1800		1	25.2	190	ug/Kg	10/22/25 16:48	PB170206
121-14-2	2,4-Dinitrotoluene	2000		1	55.6	190	ug/Kg	10/22/25 16:48	PB170206
84-66-2	Diethylphthalate	1800		1	31.4	190	ug/Kg	10/22/25 16:48	PB170206
7005-72-3	4-Chlorophenyl-phenylether	1800		1	29.6	190	ug/Kg	10/22/25 16:48	PB170206
86-73-7	Fluorene	1800		1	28.1	190	ug/Kg	10/22/25 16:48	PB170206
100-01-6	4-Nitroaniline	1700		1	71.2	190	ug/Kg	10/22/25 16:48	PB170206
534-52-1	4,6-Dinitro-2-methylphenol	2000		1	110	370	ug/Kg	10/22/25 16:48	PB170206

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 : 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	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	1900		1	36.5	190	ug/Kg	10/22/25 16:48	PB170206
101-55-3	4-Bromophenyl-phenylether	1900		1	30.8	190	ug/Kg	10/22/25 16:48	PB170206
118-74-1	Hexachlorobenzene	2000		1	28.1	190	ug/Kg	10/22/25 16:48	PB170206
1912-24-9	Atrazine	2000		1	37.7	190	ug/Kg	10/22/25 16:48	PB170206
87-86-5	Pentachlorophenol	3500	E	1	56.9	370	ug/Kg	10/22/25 16:48	PB170206
85-01-8	Phenanthrene	1800		1	23.2	190	ug/Kg	10/22/25 16:48	PB170206
120-12-7	Anthracene	1900		1	36.9	190	ug/Kg	10/22/25 16:48	PB170206
86-74-8	Carbazole	1900		1	34.6	190	ug/Kg	10/22/25 16:48	PB170206
84-74-2	Di-n-butylphthalate	1900		1	53.1	190	ug/Kg	10/22/25 16:48	PB170206
206-44-0	Fluoranthene	2000		1	33.3	190	ug/Kg	10/22/25 16:48	PB170206
129-00-0	Pyrene	1400		1	39.9	190	ug/Kg	10/22/25 16:48	PB170206
85-68-7	Butylbenzylphthalate	1700		1	79.2	190	ug/Kg	10/22/25 16:48	PB170206
91-94-1	3,3-Dichlorobenzidine	1600		1	40.7	370	ug/Kg	10/22/25 16:48	PB170206
56-55-3	Benzo(a)anthracene	1800		1	25.5	190	ug/Kg	10/22/25 16:48	PB170206
218-01-9	Chrysene	1900		1	22.1	190	ug/Kg	10/22/25 16:48	PB170206
117-81-7	Bis(2-ethylhexyl)phthalate	2000		1	65.7	190	ug/Kg	10/22/25 16:48	PB170206
117-84-0	Di-n-octyl phthalate	2200		1	96.3	370	ug/Kg	10/22/25 16:48	PB170206
205-99-2	Benzo(b)fluoranthene	1900		1	21.1	190	ug/Kg	10/22/25 16:48	PB170206
207-08-9	Benzo(k)fluoranthene	1800		1	24.9	190	ug/Kg	10/22/25 16:48	PB170206
50-32-8	Benzo(a)pyrene	1900		1	32.7	190	ug/Kg	10/22/25 16:48	PB170206
193-39-5	Indeno(1,2,3-cd)pyrene	1500		1	32.3	190	ug/Kg	10/22/25 16:48	PB170206
53-70-3	Dibenzo(a,h)anthracene	1600		1	30.4	190	ug/Kg	10/22/25 16:48	PB170206
191-24-2	Benzo(g,h,i)perylene	1400		1	28.5	190	ug/Kg	10/22/25 16:48	PB170206
95-94-3	1,2,4,5-Tetrachlorobenzene	2100		1	28.4	190	ug/Kg	10/22/25 16:48	PB170206
123-91-1	1,4-Dioxane	1600		1	50.1	190	ug/Kg	10/22/25 16:48	PB170206
58-90-2	2,3,4,6-Tetrachlorophenol	1900		1	30.4	190	ug/Kg	10/22/25 16:48	PB170206

SURROGATES

367-12-4	2-Fluorophenol	90.7		18 - 112	60%	SPK: 150
13127-88-3	Phenol-d6	85.1		15 - 107	57%	SPK: 150
4165-60-0	Nitrobenzene-d5	66.5		18 - 107	66%	SPK: 100
321-60-8	2-Fluorobiphenyl	64.8		20 - 109	65%	SPK: 100
118-79-6	2,4,6-Tribromophenol	104		10 - 116	69%	SPK: 150
1718-51-0	Terphenyl-d14	50.5		10 - 105	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 :	SW3541		
	Level : LOW		
	Final Vol: 1000 uL		
	Prep Date: 10/22/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	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	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	990		1	170	370	ug/Kg	10/22/25 17:17	PB170206
108-95-2	Phenol	1700		1	24.5	190	ug/Kg	10/22/25 17:17	PB170206
111-44-4	bis(2-Chloroethyl)ether	1600		1	27.0	190	ug/Kg	10/22/25 17:17	PB170206
95-57-8	2-Chlorophenol	1800		1	27.1	190	ug/Kg	10/22/25 17:17	PB170206
95-48-7	2-Methylphenol	1700		1	33.2	190	ug/Kg	10/22/25 17:17	PB170206
108-60-1	2,2-oxybis(1-Chloropropane)	1400		1	41.6	190	ug/Kg	10/22/25 17:17	PB170206
98-86-2	Acetophenone	2000		1	32.7	190	ug/Kg	10/22/25 17:17	PB170206
65794-96-9	3+4-Methylphenols	1700		1	45.6	370	ug/Kg	10/22/25 17:17	PB170206
621-64-7	n-Nitroso-di-n-propylamine	1700		1	52.6	88.8	ug/Kg	10/22/25 17:17	PB170206
67-72-1	Hexachloroethane	1900		1	19.5	190	ug/Kg	10/22/25 17:17	PB170206
98-95-3	Nitrobenzene	1900		1	20.3	190	ug/Kg	10/22/25 17:17	PB170206
78-59-1	Isophorone	1700		1	36.4	190	ug/Kg	10/22/25 17:17	PB170206
88-75-5	2-Nitrophenol	2100		1	64.6	190	ug/Kg	10/22/25 17:17	PB170206
105-67-9	2,4-Dimethylphenol	2000		1	71.9	190	ug/Kg	10/22/25 17:17	PB170206
111-91-1	bis(2-Chloroethoxy)methane	1700		1	34.2	190	ug/Kg	10/22/25 17:17	PB170206
120-83-2	2,4-Dichlorophenol	1800		1	31.4	190	ug/Kg	10/22/25 17:17	PB170206
91-20-3	Naphthalene	1800		1	25.2	190	ug/Kg	10/22/25 17:17	PB170206
106-47-8	4-Chloroaniline	760		1	39.3	190	ug/Kg	10/22/25 17:17	PB170206
87-68-3	Hexachlorobutadiene	2100		1	28.1	190	ug/Kg	10/22/25 17:17	PB170206
105-60-2	Caprolactam	1700		1	57.8	370	ug/Kg	10/22/25 17:17	PB170206
59-50-7	4-Chloro-3-methylphenol	1800		1	31.9	190	ug/Kg	10/22/25 17:17	PB170206
91-57-6	2-Methylnaphthalene	1700		1	28.4	190	ug/Kg	10/22/25 17:17	PB170206
77-47-4	Hexachlorocyclopentadiene	2800		1	130	370	ug/Kg	10/22/25 17:17	PB170206
88-06-2	2,4,6-Trichlorophenol	1900		1	22.0	190	ug/Kg	10/22/25 17:17	PB170206
95-95-4	2,4,5-Trichlorophenol	2000		1	32.3	190	ug/Kg	10/22/25 17:17	PB170206
92-52-4	1,1-Biphenyl	2100		1	24.2	190	ug/Kg	10/22/25 17:17	PB170206
91-58-7	2-Chloronaphthalene	1900		1	25.0	190	ug/Kg	10/22/25 17:17	PB170206
88-74-4	2-Nitroaniline	1900		1	53.4	190	ug/Kg	10/22/25 17:17	PB170206
131-11-3	Dimethylphthalate	1900		1	30.1	190	ug/Kg	10/22/25 17:17	PB170206
208-96-8	Acenaphthylene	2100		1	32.1	190	ug/Kg	10/22/25 17:17	PB170206
606-20-2	2,6-Dinitrotoluene	2200		1	37.3	190	ug/Kg	10/22/25 17:17	PB170206
99-09-2	3-Nitroaniline	1300		1	51.1	190	ug/Kg	10/22/25 17:17	PB170206
83-32-9	Acenaphthene	1900		1	23.6	190	ug/Kg	10/22/25 17:17	PB170206
51-28-5	2,4-Dinitrophenol	2800		1	250	370	ug/Kg	10/22/25 17:17	PB170206
100-02-7	4-Nitrophenol	3000	E	1	120	370	ug/Kg	10/22/25 17:17	PB170206
132-64-9	Dibenzofuran	1800		1	25.2	190	ug/Kg	10/22/25 17:17	PB170206
121-14-2	2,4-Dinitrotoluene	2100		1	55.6	190	ug/Kg	10/22/25 17:17	PB170206
84-66-2	Diethylphthalate	1900		1	31.4	190	ug/Kg	10/22/25 17:17	PB170206
7005-72-3	4-Chlorophenyl-phenylether	1900		1	29.6	190	ug/Kg	10/22/25 17:17	PB170206
86-73-7	Fluorene	1900		1	28.1	190	ug/Kg	10/22/25 17:17	PB170206
100-01-6	4-Nitroaniline	1800		1	71.3	190	ug/Kg	10/22/25 17:17	PB170206
534-52-1	4,6-Dinitro-2-methylphenol	2200		1	110	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 : 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	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	1900		1	36.5	190	ug/Kg	10/22/25 17:17	PB170206
101-55-3	4-Bromophenyl-phenylether	2000		1	30.9	190	ug/Kg	10/22/25 17:17	PB170206
118-74-1	Hexachlorobenzene	2000		1	28.1	190	ug/Kg	10/22/25 17:17	PB170206
1912-24-9	Atrazine	2100		1	37.7	190	ug/Kg	10/22/25 17:17	PB170206
87-86-5	Pentachlorophenol	3500	E	1	56.9	370	ug/Kg	10/22/25 17:17	PB170206
85-01-8	Phenanthrene	1900		1	23.2	190	ug/Kg	10/22/25 17:17	PB170206
120-12-7	Anthracene	1900		1	37.0	190	ug/Kg	10/22/25 17:17	PB170206
86-74-8	Carbazole	1900		1	34.6	190	ug/Kg	10/22/25 17:17	PB170206
84-74-2	Di-n-butylphthalate	1900		1	53.2	190	ug/Kg	10/22/25 17:17	PB170206
206-44-0	Fluoranthene	2000		1	33.3	190	ug/Kg	10/22/25 17:17	PB170206
129-00-0	Pyrene	1400		1	40.0	190	ug/Kg	10/22/25 17:17	PB170206
85-68-7	Butylbenzylphthalate	1800		1	79.3	190	ug/Kg	10/22/25 17:17	PB170206
91-94-1	3,3-Dichlorobenzidine	1700		1	40.7	370	ug/Kg	10/22/25 17:17	PB170206
56-55-3	Benzo(a)anthracene	1900		1	25.5	190	ug/Kg	10/22/25 17:17	PB170206
218-01-9	Chrysene	2000		1	22.1	190	ug/Kg	10/22/25 17:17	PB170206
117-81-7	Bis(2-ethylhexyl)phthalate	2100		1	65.7	190	ug/Kg	10/22/25 17:17	PB170206
117-84-0	Di-n-octyl phthalate	2300		1	96.4	370	ug/Kg	10/22/25 17:17	PB170206
205-99-2	Benzo(b)fluoranthene	1900		1	21.1	190	ug/Kg	10/22/25 17:17	PB170206
207-08-9	Benzo(k)fluoranthene	1800		1	24.9	190	ug/Kg	10/22/25 17:17	PB170206
50-32-8	Benzo(a)pyrene	2000		1	32.7	190	ug/Kg	10/22/25 17:17	PB170206
193-39-5	Indeno(1,2,3-cd)pyrene	1500		1	32.3	190	ug/Kg	10/22/25 17:17	PB170206
53-70-3	Dibenzo(a,h)anthracene	1600		1	30.4	190	ug/Kg	10/22/25 17:17	PB170206
191-24-2	Benzo(g,h,i)perylene	1400		1	28.5	190	ug/Kg	10/22/25 17:17	PB170206
95-94-3	1,2,4,5-Tetrachlorobenzene	2300		1	28.4	190	ug/Kg	10/22/25 17:17	PB170206
123-91-1	1,4-Dioxane	1700		1	50.2	190	ug/Kg	10/22/25 17:17	PB170206
58-90-2	2,3,4,6-Tetrachlorophenol	2000		1	30.4	190	ug/Kg	10/22/25 17:17	PB170206

SURROGATES

367-12-4	2-Fluorophenol	95.5		18 - 112	64%	SPK: 150
13127-88-3	Phenol-d6	89.5		15 - 107	60%	SPK: 150
4165-60-0	Nitrobenzene-d5	68.4		18 - 107	68%	SPK: 100
321-60-8	2-Fluorobiphenyl	67.5		20 - 109	68%	SPK: 100
118-79-6	2,4,6-Tribromophenol	105		10 - 116	70%	SPK: 150
1718-51-0	Terphenyl-d14	53.4		10 - 105	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 :	SW3541		
	Level : LOW		
	Final Vol: 1000 uL		
	Prep Date: 10/22/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	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_F\Methods\
 Method File : 8270-BF100625.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Oct 06 15:29:47 2025
 Response Via : Initial Calibration

Calibration Files

2.5 =BF143875.D 5 =BF143876.D 10 =BF143877.D 20 =BF143878.D 40 =BF143879.D 50 =BF143880.D 60 =BF143881.D 80 =BF143882.D

	Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane		0.614	0.595	0.597	0.609	0.544	0.576	0.544	0.583	4.96
3)	Pyridine		1.691	1.672	1.749	1.772	1.668	1.680	1.644	1.697	2.74
4)	n-Nitrosodimet...			0.825	0.895	0.909	0.917	0.909	0.900	0.893	3.81
5) S	2-Fluorophenol		1.378	1.349	1.352	1.307	1.173	1.177	1.079	1.259	9.15
6)	Aniline		2.400	2.327	2.361	2.343	2.185	2.134	1.997	2.250	6.58
7) S	Phenol-d6		1.626	1.631	1.601	1.542	1.404	1.387	1.317	1.501	8.62
8)	2-Chlorophenol		1.324	1.229	1.274	1.294	1.201	1.182	1.113	1.231	5.90
9)	Benzaldehyde			1.115	1.026	1.329	1.198	1.390	0.890	1.158	16.18
10) C	Phenol		1.934	1.814	1.889	1.841	1.756	1.739	1.589	1.795	6.33
11)	bis(2-Chloroet...		1.487	1.457	1.467	1.446	1.308	1.302	1.238	1.386	7.25
12)	1,3-Dichlorobe...		1.742	1.591	1.589	1.516	1.336	1.327	1.215	1.474	12.64
13) C	1,4-Dichlorobe...		1.653	1.606	1.567	1.499	1.326	1.340	1.185	1.454	11.88
14)	1,2-Dichlorobe...		1.581	1.507	1.501	1.434	1.283	1.288	1.153	1.392	11.06
15)	Benzyl Alcohol			1.118	1.138	1.173	1.134	1.104	1.082	1.125	2.79
16)	2,2'-oxybis(1-...		3.520	3.385	3.273	3.239	3.008	2.945	2.720	3.156	8.79
17)	2-Methylphenol		1.064	1.057	1.049	1.054	0.985	0.986	0.927	1.017	5.10
18)	Hexachloroethane		0.533	0.508	0.515	0.501	0.456	0.464	0.417	0.485	8.39
19) P	n-Nitroso-di-n...	1.052	1.135	1.134	1.054	1.026	0.970	0.938	0.912	1.028	8.13
20)	3+4-Methylphenols			1.401	1.342	1.266	1.067	1.068	0.933	1.179	15.58
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone		0.515	0.461	0.462	0.433	0.374	0.375	0.340	0.423	14.67
23) S	Nitrobenzene-d5		0.325	0.333	0.347	0.345	0.323	0.325	0.307	0.329	4.19
24)	Nitrobenzene		0.369	0.349	0.389	0.391	0.352	0.365	0.342	0.366	5.26
25)	Isophorone		0.754	0.708	0.708	0.705	0.665	0.663	0.656	0.694	5.04
26) C	2-Nitrophenol		0.121	0.133	0.163	0.174	0.167	0.173	0.166	0.157	13.39
27)	2,4-Dimethylph...		0.287	0.288	0.292	0.295	0.271	0.278	0.264	0.282	4.08
28)	bis(2-Chloroet...		0.510	0.474	0.463	0.444	0.398	0.401	0.380	0.438	10.79
29) C	2,4-Dichloroph...		0.317	0.292	0.313	0.307	0.280	0.282	0.265	0.294	6.54
30)	1,2,4-Trichlor...		0.331	0.299	0.307	0.298	0.266	0.272	0.249	0.289	9.57
31)	Naphthalene		1.103	0.996	0.972	0.932	0.817	0.817	0.732	0.910	14.06
32)	Benzoic acid			0.131	0.173	0.200	0.216	0.222	0.228	0.195	18.95
33)	4-Chloroaniline		0.368	0.370	0.357	0.355	0.319	0.321	0.298	0.341	8.20
34) C	Hexachlorobuta...		0.231	0.214	0.210	0.207	0.183	0.187	0.173	0.201	10.11
35)	Caprolactam			0.092	0.091	0.095	0.094	0.093	0.094	0.093	1.59
36) C	4-Chloro-3-met...		0.301	0.302	0.289	0.287	0.269	0.270	0.256	0.282	6.27
37)	2-Methylnaphth...		0.742	0.683	0.654	0.616	0.527	0.533	0.487	0.606	15.46
38)	1-Methylnaphth...		0.719	0.656	0.629	0.605	0.517	0.523	0.465	0.588	15.23

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF100625.M

39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.610	0.592	0.595	0.590	0.500	0.519	0.464	0.553	10.38
41) P	Hexachlorocycl...		0.182	0.216	0.257	0.246	0.240	0.235	0.229	11.77
42) S	2,4,6-Tribromo...	0.194	0.192	0.210	0.207	0.198	0.200	0.193	0.199	3.51
43) C	2,4,6-Trichlor...	0.408	0.394	0.426	0.445	0.383	0.395	0.376	0.404	6.07
44)	2,4,5-Trichlor...	0.443	0.444	0.460	0.456	0.401	0.403	0.380	0.427	7.34
45) S	2-Fluorobiphenyl	1.568	1.424	1.335	1.224	0.984	1.028		1.260	18.04
46)	1,1'-Biphenyl	1.617	1.476	1.448	1.374	1.134	1.171	1.050	1.324	15.77
47)	2-Chloronaphth...	1.294	1.196	1.197	1.137	0.988	1.003	0.913	1.104	12.50
48)	2-Nitroaniline	0.293	0.322	0.371	0.392	0.354	0.365	0.348	0.349	9.43
49)	Acenaphthylene	1.797	1.701	1.648	1.623	1.386	1.426	1.284	1.552	12.11
50)	Dimethylphthalate	1.442	1.351	1.334	1.291	1.166	1.202	1.105	1.270	9.29
51)	2,6-Dinitrotol...	0.201	0.204	0.245	0.262	0.250	0.250	0.237	0.236	10.13
52) C	Acenaphthene	1.177	1.115	1.096	1.052	0.897	0.934	0.847	1.017	12.21
53)	3-Nitroaniline	0.256	0.270	0.306	0.306	0.296	0.298	0.286	0.288	6.59
54) P	2,4-Dinitrophenol		0.061	0.094	0.120	0.143	0.144	0.146	0.118	29.25
55)	Dibenzofuran	1.680	1.608	1.572	1.494	1.253	1.295	1.149	1.436	14.13
56) P	4-Nitrophenol		0.173	0.215	0.234	0.230	0.228	0.230	0.218	10.55
57)	2,4-Dinitrotol...	0.252	0.284	0.341	0.365	0.335	0.346	0.320	0.320	12.30
58)	Fluorene	1.393	1.266	1.173	1.097	0.897	0.922	0.835	1.083	19.21
59)	2,3,4,6-Tetrac...	0.276	0.303	0.315	0.325	0.300	0.309	0.288	0.302	5.49
60)	Diethylphthalate	1.319	1.281	1.273	1.222	1.070	1.105	0.989	1.180	10.62
61)	4-Chlorophenyl...	0.689	0.662	0.626	0.596	0.485	0.505	0.446	0.573	16.43
62)	4-Nitroaniline	0.257	0.259	0.285	0.292	0.287	0.288	0.274	0.277	5.25
63)	Azobenzene	1.387	1.331	1.308	1.280	1.114	1.156	1.055	1.233	10.10
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...		0.065	0.092	0.111	0.112	0.114	0.110	0.101	19.26
66) c	n-Nitrosodiphe...	0.712	0.683	0.675	0.656	0.560	0.584	0.527	0.628	11.22
67)	4-Bromophenyl-...	0.247	0.234	0.231	0.231	0.201	0.207	0.196	0.221	8.74
68)	Hexachlorobenzene	0.277	0.268	0.263	0.267	0.242	0.245	0.231	0.256	6.59
69)	Atrazine	0.197	0.206	0.213	0.195	0.184	0.177	0.161	0.190	9.44
70) C	Pentachlorophenol		0.117	0.152	0.157	0.154	0.154	0.147	0.147	10.10
71)	Phenanthrene	1.164	1.092	1.066	0.976	0.842	0.872	0.775	0.970	14.94
72)	Anthracene	1.161	1.097	1.057	1.025	0.854	0.881	0.781	0.980	14.43
73)	Carbazole	1.015	0.962	0.939	0.884	0.766	0.804	0.703	0.868	13.10
74)	Di-n-butylphth...	1.089	1.094	1.108	1.053	0.910	0.954	0.830	1.005	10.76
75) C	Fluoranthene	1.156	1.153	1.094	1.032	0.876	0.910	0.789	1.002	14.43
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine		0.701	0.719	0.761	0.651	0.640		0.694	7.16
78)	Pyrene	1.838	1.663	1.769	1.863	1.541	1.578	1.420	1.667	9.87
79) S	Terphenyl-d14	1.301	1.209	1.271	1.279	1.066	1.080	0.984	1.170	10.70
80)	Butylbenzylpht...	0.466	0.503	0.579	0.620	0.545	0.553	0.524	0.542	9.31
81)	Benzo(a)anthra...	1.342	1.347	1.354	1.398	1.232	1.291	1.198	1.309	5.49
82)	3,3'-Dichlorob...		0.364	0.403	0.440	0.401	0.404	0.381	0.399	6.41
83)	Chrysene	1.373	1.188	1.267	1.294	1.116	1.126	1.115	1.211	8.41
84)	Bis(2-ethylhex...	0.591	0.619	0.687	0.739	0.642	0.672	0.619	0.653	7.70
85) c	Di-n-octyl pht...		0.837	1.009	1.194	1.108	1.151	1.133	1.072	12.19

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF100625.M

86) I	Perylene-d12	-----ISTD-----								
87)	Indeno(1,2,3-c...	1.114	1.104	1.222	1.393	1.235	1.263	1.248	1.225	7.97
88)	Benzo(b)fluora...	1.207	1.138	1.131	1.269	1.095	1.202	1.000	1.149	7.63
89)	Benzo(k)fluora...	1.138	1.173	1.228	1.108	0.923	0.921	0.951	1.063	12.11
90) C	Benzo(a)pyrene	1.000	1.006	1.037	1.102	0.936	0.970	0.923	0.996	6.17
91)	Dibenzo(a,h)an...	0.888	0.915	1.015	1.128	0.975	1.007	0.972	0.986	7.89
92)	Benzo(g,h,i)pe...	0.889	0.888	0.983	1.117	0.991	1.018	1.014	0.986	8.08

(#) = Out of Range

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF102425.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri Oct 24 17:30:25 2025
 Response Via : Initial Calibration

Calibration Files

2.5 =BF144056.D 5 =BF144057.D 10 =BF144058.D 20 =BF144059.D 40 =BF144060.D 50 =BF144061.D 60 =BF144064.D 80 =BF144063.D

	Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.723	0.494	0.485	0.550	0.519	0.572	0.481	0.546	15.58	
3)	Pyridine	1.395	1.384	1.530	1.527	1.427	1.604	1.370	1.462	6.19	
4)	n-Nitrosodimet...		0.805	0.963	0.912	0.835	1.017	0.860	0.899	8.98	
5) S	2-Fluorophenol	1.324	1.322	1.328	1.303	1.163	1.322	1.087	1.264	7.76	
6)	Aniline	2.173	2.152	2.106	2.016	1.809	2.050	1.675	1.997	9.36	
7) S	Phenol-d6	1.548	1.443	1.481	1.408	1.289	1.412	1.193	1.396	8.56	
8)	2-Chlorophenol	1.398	1.310	1.306	1.251	1.124	1.258	1.067	1.245	9.17	
9)	Benzaldehyde		1.093	0.965	1.043	0.959	1.406	1.039	1.084	15.28	
10) C	Phenol	1.896	1.860	1.820	1.736	1.575	1.725	1.445	1.722	9.41	
11)	bis(2-Chloroet...	1.406	1.278	1.285	1.248	1.128	1.285	1.082	1.245	8.72	
12)	1,3-Dichlorobe...	1.681	1.582	1.640	1.565	1.415	1.566	1.300	1.536	8.66	
13) C	1,4-Dichlorobe...	1.645	1.567	1.592	1.551	1.371	1.575	1.295	1.513	8.52	
14)	1,2-Dichlorobe...	1.588	1.548	1.534	1.480	1.355	1.520	1.225	1.464	8.81	
15)	Benzyl Alcohol		1.129	1.234	1.145	1.056	1.222	1.025	1.135	7.47	
16)	2,2'-oxybis(1-...	2.561	2.432	2.505	2.376	2.149	2.313	2.038	2.339	8.08	
17)	2-Methylphenol	1.052	1.010	1.032	0.931	0.874	0.981	0.823	0.957	8.89	
18)	Hexachloroethane	0.553	0.544	0.569	0.544	0.506	0.595	0.477	0.541	7.21	
19) P	n-Nitroso-di-n...	0.900	0.971	0.972	0.949	0.876	0.801	0.943	0.809	0.903	7.60
20)	3+4-Methylphenols		1.270	1.190	1.167	1.036	1.159	0.969	1.132	9.69	
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.473	0.459	0.433	0.437	0.397	0.456	0.371	0.432	8.41	
23) S	Nitrobenzene-d5	0.377	0.378	0.374	0.368	0.335	0.393	0.330	0.365	6.48	
24)	Nitrobenzene	0.395	0.384	0.404	0.392	0.360	0.417	0.351	0.386	6.05	
25)	Isophorone	0.665	0.662	0.645	0.643	0.584	0.686	0.582	0.638	6.29	
26) C	2-Nitrophenol	0.190	0.184	0.196	0.191	0.167	0.194	0.165	0.184	6.96	
27)	2,4-Dimethylph...	0.289	0.279	0.262	0.287	0.254	0.293	0.247	0.273	6.73	
28)	bis(2-Chloroet...	0.430	0.408	0.413	0.404	0.365	0.416	0.351	0.398	7.25	
29) C	2,4-Dichloroph...	0.334	0.345	0.325	0.323	0.293	0.328	0.275	0.317	7.75	
30)	1,2,4-Trichlor...	0.344	0.339	0.334	0.335	0.301	0.348	0.286	0.327	7.19	
31)	Naphthalene	1.054	1.002	0.962	0.965	0.852	0.983	0.788	0.944	9.72	
32)	Benzoic acid		0.217	0.200	0.146	0.147	0.168	0.162	0.173	16.81	
33)	4-Chloroaniline	0.332	0.356	0.349	0.336	0.298	0.344	0.286	0.329	8.10	
34) C	Hexachlorobuta...	0.279	0.276	0.274	0.270	0.241	0.296	0.234	0.267	8.19	
35)	Caprolactam		0.078	0.082	0.085	0.072	0.086	0.075	0.080	7.03	
36) C	4-Chloro-3-met...	0.302	0.289	0.285	0.282	0.257	0.296	0.250	0.280	6.98	
37)	2-Methylnaphth...	0.718	0.654	0.631	0.644	0.549	0.637	0.524	0.622	10.55	
38)	1-Methylnaphth...	0.685	0.627	0.591	0.591	0.524	0.611	0.499	0.590	10.60	

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF102425.M

39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.777	0.707	0.693	0.707	0.629	0.716	0.583	0.687	9.17
41) P	Hexachlorocycl...	0.148	0.208	0.218	0.205	0.273	0.222	0.212		18.88
42) S	2,4,6-Tribromo...	0.251	0.249	0.256	0.262	0.241	0.289	0.236	0.255	6.77
43) C	2,4,6-Trichlor...	0.430	0.447	0.480	0.473	0.427	0.485	0.386	0.447	7.98
44)	2,4,5-Trichlor...	0.488	0.485	0.484	0.467	0.427	0.511	0.419	0.469	7.19
45) S	2-Fluorobiphenyl	1.654	1.503	1.411	1.451	1.291	1.473	1.164	1.421	11.04
46)	1,1'-Biphenyl	1.613	1.532	1.441	1.472	1.317	1.470	1.176	1.432	10.09
47)	2-Chloronaphth...	1.336	1.264	1.233	1.222	1.101	1.250	0.989	1.199	9.68
48)	2-Nitroaniline	0.325	0.359	0.368	0.380	0.333	0.399	0.328	0.356	8.00
49)	Acenaphthylene	1.780	1.693	1.664	1.703	1.476	1.668	1.337	1.617	9.54
50)	Dimethylphthalate	1.398	1.328	1.332	1.366	1.219	1.387	1.146	1.311	7.15
51)	2,6-Dinitrotol...	0.228	0.257	0.275	0.276	0.252	0.288	0.240	0.259	8.31
52) C	Acenaphthene	1.125	1.153	1.134	1.114	0.999	1.122	0.914	1.080	8.21
53)	3-Nitroaniline	0.276	0.294	0.293	0.322	0.281	0.301	0.250	0.288	7.79
54) P	2,4-Dinitrophenol	0.161	0.162	0.124	0.116	0.139	0.140	0.140		13.44
55)	Dibenzofuran	1.685	1.572	1.512	1.559	1.391	1.535	1.242	1.499	9.55
56) P	4-Nitrophenol	0.224	0.199	0.187	0.175	0.202	0.184	0.195		8.90
57)	2,4-Dinitrotol...	0.302	0.343	0.370	0.385	0.336	0.390	0.323	0.350	9.44
58)	Fluorene	1.359	1.169	1.133	1.188	1.041	1.162	0.945	1.143	11.27
59)	2,3,4,6-Tetrac...	0.317	0.318	0.333	0.360	0.322	0.366	0.297	0.330	7.53
60)	Diethylphthalate	1.286	1.264	1.244	1.290	1.145	1.318	1.083	1.233	6.98
61)	4-Chlorophenyl...	0.706	0.667	0.656	0.675	0.591	0.674	0.529	0.643	9.49
62)	4-Nitroaniline	0.262	0.266	0.275	0.296	0.260	0.299	0.253	0.273	6.70
63)	Azobenzene	1.192	1.178	1.187	1.236	1.103	1.253	1.020	1.167	6.91
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.133	0.151	0.123	0.115	0.132	0.116	0.128		10.63
66) c	n-Nitrosodiphe...	0.716	0.666	0.657	0.643	0.590	0.659	0.542	0.639	8.82
67)	4-Bromophenyl-...	0.274	0.256	0.247	0.260	0.230	0.270	0.215	0.250	8.52
68)	Hexachlorobenzene	0.311	0.338	0.309	0.321	0.275	0.328	0.268	0.307	8.59
69)	Atrazine	0.229	0.223	0.218	0.208	0.185	0.235	0.169	0.210	11.52
70) C	Pentachlorophenol	0.123	0.149	0.150	0.143	0.168	0.144	0.146		9.94
71)	Phenanthrene	1.073	1.040	1.009	1.017	0.918	1.043	0.854	0.994	7.89
72)	Anthracene	1.171	1.077	1.029	1.053	0.932	1.065	0.857	1.026	10.01
73)	Carbazole	0.943	0.920	0.883	0.905	0.818	0.907	0.737	0.874	8.20
74)	Di-n-butylphth...	1.090	1.091	1.116	1.118	1.002	1.135	0.945	1.071	6.58
75) C	Fluoranthene	1.171	1.151	1.121	1.123	0.997	1.167	0.954	1.098	7.88
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.689	0.614	0.665	0.513	0.787	0.466	0.622		18.99
78)	Pyrene	1.603	1.466	1.426	1.521	1.295	1.519	1.236	1.438	9.08
79) S	Terphenyl-d14	1.280	1.134	1.121	1.212	1.002	1.241	1.018	1.144	9.39
80)	Butylbenzylphth...	0.508	0.542	0.566	0.601	0.494	0.595	0.501	0.544	8.25
81)	Benzo(a)anthra...	1.341	1.322	1.359	1.516	1.206	1.492	1.226	1.352	8.79
82)	3,3'-Dichlorob...	0.469	0.485	0.510	0.404	0.529	0.427	0.470		10.21
83)	Chrysene	1.330	1.263	1.253	1.319	1.179	1.366	1.170	1.268	5.93
84)	Bis(2-ethylhex...	0.745	0.725	0.761	0.795	0.690	0.813	0.670	0.743	7.01
85) c	Di-n-octyl pht...	1.228	1.295	1.399	1.179	1.382	1.180	1.277		7.65

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF102425.M

86) I	Perylene-d12	-----ISTD-----								
87)	Indeno(1,2,3-c...	1.351	1.331	1.394	1.477	1.295	1.501	1.263	1.373	6.53
88)	Benzo(b)fluora...	1.134	1.108	1.153	1.264	1.055	1.151	1.050	1.131	6.39
89)	Benzo(k)fluora...	1.206	1.077	1.010	1.059	0.906	1.157	0.886	1.043	11.44
90) C	Benzo(a)pyrene	1.049	0.990	1.036	1.089	0.942	1.086	0.909	1.014	6.88
91)	Dibenzo(a,h)an...	1.058	1.061	1.107	1.166	1.024	1.195	0.997	1.087	6.72
92)	Benzo(g,h,i)pe...	1.051	1.051	1.124	1.195	1.023	1.192	1.015	1.093	7.08

(#) = 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_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	

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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_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</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.