

LAB CHRONICLE

OrderID:	Q3400	OrderDate:	10/20/2025 1:25:31 PM
Client:	ICE Service Group, Inc.	Project:	NWIRP Northrup Grumman Site – Bethpage, NY
Contact:	Dennis D. Morgan, II	Location:	D31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3400-01	FRAC-TANK-0760450	Water	SVOC-TCL BNA -20	8270E	10/20/25	10/22/25	10/27/25	10/20/25



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Hit Summary Sheet SW-846

SDG No.: Q3400
Client: ICE Service Group, Inc.

Sample ID	Client ID	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : FRAC-TANK-0760450								
Q3400-01	FRAC-TANK-0760450	WATER	Benzophenone	*	9.100	J	0	ug/L
Q3400-01	FRAC-TANK-0760450	WATER	n-Hexadecanoic acid	*	6.600	J	0	ug/L
Total Tics :				15.70				
Total Concentration:				15.70				



SAMPLE DATA

Report of Analysis

Client: ICE Service Group, Inc.
Project: NWIRP Northrup Grumman Site – Bethpage, NY
Client Sample ID: FRAC-TANK-0760450
Lab Sample ID: Q3400-01
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 990 mL Final Vol: 1000 uL
Prep Method : 3510 Prep Date: 10/22/25 09:08

Date Collected: 10/20/25
Date Received: 10/20/25
SDG No.: Q3400
Matrix: Water
% Solid: 0
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS										
100-52-7	Benzaldehyde	8.10	U	1	3.90	8.10	10.1	ug/L	10/27/25 18:47	PB170222
108-95-2	Phenol	4.00	U	1	0.92	4.00	5.10	ug/L	10/27/25 18:47	PB170222
111-44-4	bis(2-Chloroethyl)ether	4.00	U	1	0.82	4.00	5.10	ug/L	10/27/25 18:47	PB170222
95-57-8	2-Chlorophenol	4.00	U	1	0.59	4.00	5.10	ug/L	10/27/25 18:47	PB170222
95-48-7	2-Methylphenol	4.00	U	1	1.10	4.00	5.10	ug/L	10/27/25 18:47	PB170222
108-60-1	2,2-oxybis(1-Chloropropane)	4.00	U	1	1.30	4.00	5.10	ug/L	10/27/25 18:47	PB170222
98-86-2	Acetophenone	4.00	U	1	0.75	4.00	5.10	ug/L	10/27/25 18:47	PB170222
65794-96-9	3+4-Methylphenols	8.10	U	1	1.10	8.10	10.1	ug/L	10/27/25 18:47	PB170222
621-64-7	n-Nitroso-di-n-propylamine	2.50	U	1	1.40	2.50	2.50	ug/L	10/27/25 18:47	PB170222
67-72-1	Hexachloroethane	4.00	U	1	0.66	4.00	5.10	ug/L	10/27/25 18:47	PB170222
98-95-3	Nitrobenzene	4.00	U	1	0.77	4.00	5.10	ug/L	10/27/25 18:47	PB170222
78-59-1	Isophorone	4.00	U	1	0.76	4.00	5.10	ug/L	10/27/25 18:47	PB170222
88-75-5	2-Nitrophenol	4.00	U	1	1.80	4.00	5.10	ug/L	10/27/25 18:47	PB170222
105-67-9	2,4-Dimethylphenol	4.00	U	1	1.90	4.00	5.10	ug/L	10/27/25 18:47	PB170222
111-91-1	bis(2-Chloroethoxy)methane	4.00	U	1	0.69	4.00	5.10	ug/L	10/27/25 18:47	PB170222
120-83-2	2,4-Dichlorophenol	4.00	U	1	0.53	4.00	5.10	ug/L	10/27/25 18:47	PB170222
91-20-3	Naphthalene	4.00	U	1	0.51	4.00	5.10	ug/L	10/27/25 18:47	PB170222
106-47-8	4-Chloroaniline	4.00	U	1	0.85	4.00	5.10	ug/L	10/27/25 18:47	PB170222
87-68-3	Hexachlorobutadiene	4.00	U	1	0.55	4.00	5.10	ug/L	10/27/25 18:47	PB170222
105-60-2	Caprolactam	8.10	U	1	1.10	8.10	10.1	ug/L	10/27/25 18:47	PB170222
59-50-7	4-Chloro-3-methylphenol	4.00	U	1	0.60	4.00	5.10	ug/L	10/27/25 18:47	PB170222
91-57-6	2-Methylnaphthalene	4.00	U	1	0.57	4.00	5.10	ug/L	10/27/25 18:47	PB170222
77-47-4	Hexachlorocyclopentadiene	8.10	U	1	3.70	8.10	10.1	ug/L	10/27/25 18:47	PB170222
88-06-2	2,4,6-Trichlorophenol	4.00	U	1	0.52	4.00	5.10	ug/L	10/27/25 18:47	PB170222
95-95-4	2,4,5-Trichlorophenol	4.00	U	1	0.63	4.00	5.10	ug/L	10/27/25 18:47	PB170222
92-52-4	1,1-Biphenyl	4.00	U	1	0.54	4.00	5.10	ug/L	10/27/25 18:47	PB170222
91-58-7	2-Chloronaphthalene	4.00	U	1	0.62	4.00	5.10	ug/L	10/27/25 18:47	PB170222
88-74-4	2-Nitroaniline	4.00	U	1	1.30	4.00	5.10	ug/L	10/27/25 18:47	PB170222
131-11-3	Dimethylphthalate	4.00	U	1	0.62	4.00	5.10	ug/L	10/27/25 18:47	PB170222
208-96-8	Acenaphthylene	4.00	U	1	0.76	4.00	5.10	ug/L	10/27/25 18:47	PB170222
606-20-2	2,6-Dinitrotoluene	4.00	U	1	0.93	4.00	5.10	ug/L	10/27/25 18:47	PB170222
99-09-2	3-Nitroaniline	4.00	U	1	1.10	4.00	5.10	ug/L	10/27/25 18:47	PB170222
83-32-9	Acenaphthene	4.00	U	1	0.56	4.00	5.10	ug/L	10/27/25 18:47	PB170222
51-28-5	2,4-Dinitrophenol	8.10	U	1	6.00	8.10	10.1	ug/L	10/27/25 18:47	PB170222
100-02-7	4-Nitrophenol	8.10	U	1	2.40	8.10	10.1	ug/L	10/27/25 18:47	PB170222
132-64-9	Dibenzofuran	4.00	U	1	0.62	4.00	5.10	ug/L	10/27/25 18:47	PB170222
121-14-2	2,4-Dinitrotoluene	4.00	U	1	1.20	4.00	5.10	ug/L	10/27/25 18:47	PB170222
84-66-2	Diethylphthalate	4.00	U	1	0.70	4.00	5.10	ug/L	10/27/25 18:47	PB170222
7005-72-3	4-Chlorophenyl-phenylether	4.00	U	1	0.69	4.00	5.10	ug/L	10/27/25 18:47	PB170222
86-73-7	Fluorene	4.00	U	1	0.64	4.00	5.10	ug/L	10/27/25 18:47	PB170222
100-01-6	4-Nitroaniline	4.00	U	1	1.50	4.00	5.10	ug/L	10/27/25 18:47	PB170222
534-52-1	4,6-Dinitro-2-methylphenol	8.10	U	1	2.90	8.10	10.1	ug/L	10/27/25 18:47	PB170222

Report of Analysis

Client: ICE Service Group, Inc.
Project: NWIRP Northrup Grumman Site – Bethpage, NY
Client Sample ID: FRAC-TANK-0760450
Lab Sample ID: Q3400-01
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 990 mL Final Vol: 1000 uL
Prep Method : 3510 Prep Date: 10/22/25 09:08

Date Collected: 10/20/25
Date Received: 10/20/25
SDG No.: Q3400
Matrix: Water
% Solid: 0
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	4.00	U	1	0.59	4.00	5.10	ug/L	10/27/25 18:47	PB170222
101-55-3	4-Bromophenyl-phenylether	4.00	U	1	0.40	4.00	5.10	ug/L	10/27/25 18:47	PB170222
118-74-1	Hexachlorobenzene	4.00	U	1	0.53	4.00	5.10	ug/L	10/27/25 18:47	PB170222
1912-24-9	Atrazine	4.00	U	1	1.00	4.00	5.10	ug/L	10/27/25 18:47	PB170222
87-86-5	Pentachlorophenol	8.10	U	1	1.60	8.10	10.1	ug/L	10/27/25 18:47	PB170222
85-01-8	Phenanthrene	4.00	U	1	0.51	4.00	5.10	ug/L	10/27/25 18:47	PB170222
120-12-7	Anthracene	4.00	U	1	0.62	4.00	5.10	ug/L	10/27/25 18:47	PB170222
86-74-8	Carbazole	4.00	U	1	0.73	4.00	5.10	ug/L	10/27/25 18:47	PB170222
84-74-2	Di-n-butylphthalate	4.00	U	1	1.20	4.00	5.10	ug/L	10/27/25 18:47	PB170222
206-44-0	Fluoranthene	4.00	U	1	0.83	4.00	5.10	ug/L	10/27/25 18:47	PB170222
129-00-0	Pyrene	4.00	U	1	0.51	4.00	5.10	ug/L	10/27/25 18:47	PB170222
85-68-7	Butylbenzylphthalate	4.00	U	1	1.90	4.00	5.10	ug/L	10/27/25 18:47	PB170222
91-94-1	3,3-Dichlorobenzidine	8.10	U	1	0.94	8.10	10.1	ug/L	10/27/25 18:47	PB170222
56-55-3	Benzo(a)anthracene	4.00	U	1	0.45	4.00	5.10	ug/L	10/27/25 18:47	PB170222
218-01-9	Chrysene	4.00	U	1	0.44	4.00	5.10	ug/L	10/27/25 18:47	PB170222
117-81-7	Bis(2-ethylhexyl)phthalate	4.00	U	1	1.60	4.00	5.10	ug/L	10/27/25 18:47	PB170222
117-84-0	Di-n-octyl phthalate	8.10	U	1	2.40	8.10	10.1	ug/L	10/27/25 18:47	PB170222
205-99-2	Benzo(b)fluoranthene	4.00	U	1	0.49	4.00	5.10	ug/L	10/27/25 18:47	PB170222
207-08-9	Benzo(k)fluoranthene	4.00	U	1	0.48	4.00	5.10	ug/L	10/27/25 18:47	PB170222
50-32-8	Benzo(a)pyrene	4.00	U	1	0.56	4.00	5.10	ug/L	10/27/25 18:47	PB170222
193-39-5	Indeno(1,2,3-cd)pyrene	4.00	U	1	0.60	4.00	5.10	ug/L	10/27/25 18:47	PB170222
53-70-3	Dibenzo(a,h)anthracene	4.00	U	1	0.68	4.00	5.10	ug/L	10/27/25 18:47	PB170222
191-24-2	Benzo(g,h,i)perylene	4.00	U	1	0.70	4.00	5.10	ug/L	10/27/25 18:47	PB170222
95-94-3	1,2,4,5-Tetrachlorobenzene	4.00	U	1	0.53	4.00	5.10	ug/L	10/27/25 18:47	PB170222
123-91-1	1,4-Dioxane	4.00	UQ	1	1.00	4.00	5.10	ug/L	10/27/25 18:47	PB170222
58-90-2	2,3,4,6-Tetrachlorophenol	4.00	U	1	0.73	4.00	5.10	ug/L	10/27/25 18:47	PB170222

SURROGATES

367-12-4	2-Fluorophenol	88.7		19 - 119	59%	SPK: 150
13127-88-3	Phenol-d6	57.7		10 - 130	38%	SPK: 150
4165-60-0	Nitrobenzene-d5	100		44 - 120	100%	SPK: 100
321-60-8	2-Fluorobiphenyl	84.6		44 - 119	85%	SPK: 100
118-79-6	2,4,6-Tribromophenol	137		43 - 140	91%	SPK: 150
1718-51-0	Terphenyl-d14	68.9		50 - 134	69%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	33800
1146-65-2	Naphthalene-d8	134000
15067-26-2	Acenaphthene-d10	109000
1517-22-2	Phenanthrene-d10	263000
1719-03-5	Chrysene-d12	285000
1520-96-3	Perylene-d12	311000

TENTATIVE IDENTIFIED COMPOUNDS

000119-61-9	Benzophenone	9.10	J	16.2	ug/L
000057-10-3	n-Hexadecanoic acid	6.60	J	18.5	ug/L

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:	FRAC-TANK-0760450	SDG No.:	Q3400
Lab Sample ID:	Q3400-01	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	990 mL	Test:	SVOC-TCL BNA -20
Prep Method :	3510		
	Level : LOW		
	Final Vol: 1000 uL		
	Prep Date: 10/22/25 09:08		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	Prep BatchID
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



QC SUMMARY

Surrogate Summary

SW-846

SDG No.: Q3400

Client: ICE Service Group, Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB170222BL	PB170222BL	2-Fluorophenol	150	162	108		19	119
		Phenol-d6	150	157	105		10	130
		Nitrobenzene-d5	100	96.1	96		44	120
		2-Fluorobiphenyl	100	93.5	94		44	119
		2,4,6-Tribromophenol	150	143	95		43	140
		Terphenyl-d14	100	94.1	94		50	134
PB170222BS	PB170222BS	2-Fluorophenol	150	124	82		19	119
		Phenol-d6	150	123	82		10	130
		Nitrobenzene-d5	100	83.3	83		44	120
		2-Fluorobiphenyl	100	80.1	80		44	119
		2,4,6-Tribromophenol	150	127	84		43	140
		Terphenyl-d14	100	82.9	83		50	134
PB170222BSD	PB170222BSD	2-Fluorophenol	150	145	97		19	119
		Phenol-d6	150	125	83		10	130
		Nitrobenzene-d5	100	88.5	88		44	120
		2-Fluorobiphenyl	100	79.8	80		44	119
		2,4,6-Tribromophenol	150	124	83		43	140
		Terphenyl-d14	100	83.4	83		50	134
Q3400-01	FRAC-TANK-0760450	2-Fluorophenol	150	88.7	59		19	119
		Phenol-d6	150	57.7	38		10	130
		Nitrobenzene-d5	100	100	100		44	120
		2-Fluorobiphenyl	100	84.6	85		44	119
		2,4,6-Tribromophenol	150	137	91		43	140
		Terphenyl-d14	100	68.9	69		50	134

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3400

Analytical Method: 8270E

Client: ICE Service Group, Inc.

DataFile: BG064585.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB170222BS	Benzaldehyde	50	13.2	ug/L	26				10	161	
	Phenol	50	40.8	ug/L	82				10	132	
	bis(2-Chloroethyl)ether	50	27.3	ug/L	55				43	118	
	2-Chlorophenol	50	41.9	ug/L	84				38	117	
	2-Methylphenol	50	39.5	ug/L	79				30	117	
	2,2-oxybis(1-Chloropropane)	50	32.0	ug/L	64				37	130	
	Acetophenone	50	42.0	ug/L	84				46	118	
	3+4-Methylphenols	50	34.8	ug/L	70				29	110	
	N-Nitroso-di-n-propylamine	50	33.2	ug/L	66				49	119	
	Hexachloroethane	50	32.7	ug/L	65				21	115	
	Nitrobenzene	50	40.6	ug/L	81				45	121	
	Isophorone	50	39.6	ug/L	79				42	124	
	2-Nitrophenol	50	35.3	ug/L	71				47	123	
	2,4-Dimethylphenol	50	48.9	ug/L	98				31	124	
	bis(2-Chloroethoxy)methane	50	40.2	ug/L	80				48	120	
	2,4-Dichlorophenol	50	44.8	ug/L	90				47	121	
	Naphthalene	50	39.3	ug/L	79				40	121	
	4-Chloroaniline	50	20.8	ug/L	42				33	117	
	Hexachlorobutadiene	50	39.1	ug/L	78				22	124	
	Caprolactam	50	39.1	ug/L	78				10	161	
	4-Chloro-3-methylphenol	50	42.4	ug/L	85				52	119	
	2-Methylnaphthalene	50	36.6	ug/L	73				40	121	
	Hexachlorocyclopentadiene	100	98.2	ug/L	98				10	155	
	2,4,6-Trichlorophenol	50	43.5	ug/L	87				50	125	
	2,4,5-Trichlorophenol	50	42.8	ug/L	86				53	123	
	1,1-Biphenyl	50	42.4	ug/L	85				49	115	
	2-Chloronaphthalene	50	39.3	ug/L	79				40	116	
	2-Nitroaniline	50	36.3	ug/L	73				55	127	
	Dimethylphthalate	50	39.8	ug/L	80				45	127	
	Acenaphthylene	50	45.0	ug/L	90				41	130	
	2,6-Dinitrotoluene	50	41.3	ug/L	83				57	124	
	3-Nitroaniline	50	29.3	ug/L	59				41	128	
	Acenaphthene	50	42.0	ug/L	84				47	122	
	2,4-Dinitrophenol	100	74.3	ug/L	74				23	143	
	4-Nitrophenol	100	82.7	ug/L	83				10	161	
	Dibenzofuran	50	39.8	ug/L	80				53	118	
	2,4-Dinitrotoluene	50	39.0	ug/L	78				57	128	
	Diethylphthalate	50	39.4	ug/L	79				56	125	
	4-Chlorophenyl-phenylether	50	40.0	ug/L	80				53	121	
	Fluorene	50	40.9	ug/L	82				52	124	
	4-Nitroaniline	50	42.1	ug/L	84				35	120	
	4,6-Dinitro-2-methylphenol	50	39.3	ug/L	79				44	137	
	N-Nitrosodiphenylamine	50	42.5	ug/L	85				51	123	
	4-Bromophenyl-phenylether	50	40.9	ug/L	82				55	124	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3400

Analytical Method: 8270E

Client: ICE Service Group, Inc.

DataFile: BG064585.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Limits		RPD
							Qual	Qual	Low	High	
PB170222BS	Hexachlorobenzene	50	41.1	ug/L	82				53	125	
	Atrazine	50	40.0	ug/L	80				44	142	
	Pentachlorophenol	100	84.1	ug/L	84				35	138	
	Phenanthrene	50	40.0	ug/L	80				59	120	
	Anthracene	50	40.2	ug/L	80				57	123	
	Carbazole	50	40.3	ug/L	81				60	122	
	Di-n-butylphthalate	50	39.0	ug/L	78				59	127	
	Fluoranthene	50	39.3	ug/L	79				57	128	
	Pyrene	50	39.9	ug/L	80				57	126	
	Butylbenzylphthalate	50	43.2	ug/L	86				53	134	
	3,3-Dichlorobenzidine	50	28.9	ug/L	58				27	129	
	Benzo(a)anthracene	50	40.9	ug/L	82				58	125	
	Chrysene	50	40.1	ug/L	80				59	123	
	bis(2-Ethylhexyl)phthalate	50	42.5	ug/L	85				55	135	
	Di-n-octyl phthalate	50	42.0	ug/L	84				51	140	
	Benzo(b)fluoranthene	50	42.5	ug/L	85				53	131	
	Benzo(k)fluoranthene	50	43.9	ug/L	88				57	129	
	Benzo(a)pyrene	50	44.1	ug/L	88				54	128	
	Indeno(1,2,3-cd)pyrene	50	42.0	ug/L	84				52	134	
	Dibenz(a,h)anthracene	50	43.2	ug/L	86				51	134	
	Benzo(g,h,i)perylene	50	42.0	ug/L	84				50	134	
	1,2,4,5-Tetrachlorobenzene	50	40.9	ug/L	82				35	121	
	1,4-Dioxane	50	30.8	ug/L	62		*		70	130	
	2,3,4,6-Tetrachlorophenol	50	45.3	ug/L	91				50	128	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3400

Analytical Method: 8270E

Client: ICE Service Group, Inc.

DataFile: BG064586.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB170222BSD	Benzaldehyde	50	13.3	ug/L	27	1			10	161	20	
	Phenol	50	42.3	ug/L	85	4			10	132	20	
	bis(2-Chloroethyl)ether	50	27.9	ug/L	56	2			43	118	20	
	2-Chlorophenol	50	43.8	ug/L	88	4			38	117	20	
	2-Methylphenol	50	42.1	ug/L	84	6			30	117	20	
	2,2-oxybis(1-Chloropropane)	50	37.2	ug/L	74	15			37	130	20	
	Acetophenone	50	42.8	ug/L	86	2			46	118	20	
	3+4-Methylphenols	50	41.8	ug/L	84	18			29	110	20	
	N-Nitroso-di-n-propylamine	50	41.1	ug/L	82	21		*	49	119	20	
	Hexachloroethane	50	38.1	ug/L	76	15			21	115	20	
	Nitrobenzene	50	42.1	ug/L	84	4			45	121	20	
	Isophorone	50	40.0	ug/L	80	1			42	124	20	
	2-Nitrophenol	50	37.9	ug/L	76	7			47	123	20	
	2,4-Dimethylphenol	50	48.0	ug/L	96	2			31	124	20	
	bis(2-Chloroethoxy)methane	50	40.8	ug/L	82	1			48	120	20	
	2,4-Dichlorophenol	50	45.3	ug/L	91	1			47	121	20	
	Naphthalene	50	39.5	ug/L	79	1			40	121	20	
	4-Chloroaniline	50	21.6	ug/L	43	4			33	117	20	
	Hexachlorobutadiene	50	39.0	ug/L	78	0			22	124	20	
	Caprolactam	50	37.7	ug/L	75	4			10	161	20	
	4-Chloro-3-methylphenol	50	42.9	ug/L	86	1			52	119	20	
	2-Methylnaphthalene	50	36.6	ug/L	73	0			40	121	20	
	Hexachlorocyclopentadiene	100	100	ug/L	100	2			10	155	20	
	2,4,6-Trichlorophenol	50	43.7	ug/L	87	0			50	125	20	
	2,4,5-Trichlorophenol	50	43.5	ug/L	87	2			53	123	20	
	1,1-Biphenyl	50	42.1	ug/L	84	1			49	115	20	
	2-Chloronaphthalene	50	39.3	ug/L	79	0			40	116	20	
	2-Nitroaniline	50	38.1	ug/L	76	5			55	127	20	
	Dimethylphthalate	50	39.2	ug/L	78	2			45	127	20	
	Acenaphthylene	50	45.1	ug/L	90	0			41	130	20	
	2,6-Dinitrotoluene	50	42.0	ug/L	84	2			57	124	20	
	3-Nitroaniline	50	30.0	ug/L	60	2			41	128	20	
	Acenaphthene	50	42.2	ug/L	84	0			47	122	20	
	2,4-Dinitrophenol	100	75.2	ug/L	75	1			23	143	20	
	4-Nitrophenol	100	82.1	ug/L	82	1			10	161	20	
	Dibenzofuran	50	39.2	ug/L	78	2			53	118	20	
	2,4-Dinitrotoluene	50	40.6	ug/L	81	4			57	128	20	
	Diethylphthalate	50	38.5	ug/L	77	2			56	125	20	
	4-Chlorophenyl-phenylether	50	39.4	ug/L	79	2			53	121	20	
	Fluorene	50	40.2	ug/L	80	2			52	124	20	
	4-Nitroaniline	50	39.9	ug/L	80	5			35	120	20	
	4,6-Dinitro-2-methylphenol	50	40.8	ug/L	82	4			44	137	20	
	N-Nitrosodiphenylamine	50	42.3	ug/L	85	0			51	123	20	
	4-Bromophenyl-phenylether	50	40.9	ug/L	82	0			55	124	20	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3400

Analytical Method: 8270E

Client: ICE Service Group, Inc.

DataFile: BG064586.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB170222BSD	Hexachlorobenzene	50	41.3	ug/L	83	0			53	125		20
	Atrazine	50	39.8	ug/L	80	1			44	142		20
	Pentachlorophenol	100	86.5	ug/L	87	3			35	138		20
	Phenanthrene	50	40.5	ug/L	81	1			59	120		20
	Anthracene	50	40.0	ug/L	80	0			57	123		20
	Carbazole	50	40.0	ug/L	80	1			60	122		20
	Di-n-butylphthalate	50	38.6	ug/L	77	1			59	127		20
	Fluoranthene	50	38.8	ug/L	78	1			57	128		20
	Pyrene	50	39.9	ug/L	80	0			57	126		20
	Butylbenzylphthalate	50	44.0	ug/L	88	2			53	134		20
	3,3-Dichlorobenzidine	50	28.9	ug/L	58	0			27	129		20
	Benzo(a)anthracene	50	41.1	ug/L	82	0			58	125		20
	Chrysene	50	40.4	ug/L	81	1			59	123		20
	bis(2-Ethylhexyl)phthalate	50	42.9	ug/L	86	1			55	135		20
	Di-n-octyl phthalate	50	42.4	ug/L	85	1			51	140		20
	Benzo(b)fluoranthene	50	43.5	ug/L	87	2			53	131		20
	Benzo(k)fluoranthene	50	43.1	ug/L	86	2			57	129		20
	Benzo(a)pyrene	50	44.8	ug/L	90	2			54	128		20
	Indeno(1,2,3-cd)pyrene	50	42.7	ug/L	85	2			52	134		20
	Dibenz(a,h)anthracene	50	43.6	ug/L	87	1			51	134		20
	Benzo(g,h,i)perylene	50	42.7	ug/L	85	2			50	134		20
	1,2,4,5-Tetrachlorobenzene	50	41.9	ug/L	84	2			35	121		20
	1,4-Dioxane	50	34.3	ug/L	69	11	*		70	130		20
	2,3,4,6-Tetrachlorophenol	50	45.3	ug/L	91	0			50	128		20

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID

PB170222BL

Lab Name: Alliance

Contract: ICES02

Lab Code: ACE

SDG NO.: Q3400

Lab File ID: BG064584.D

Lab Sample ID: PB170222BL

Instrument ID: BNA_G

Date Extracted: 10/22/2025

Matrix: (soil/water) Water

Date Analyzed: 10/27/2025

Level: (low/med) LOW

Time Analyzed: 12:38

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB170222BS	PB170222BS	BG064585.D	10/27/2025
PB170222BSD	PB170222BSD	BG064586.D	10/27/2025
FRAC-TANK-0760450	Q3400-01	BG064593.D	10/27/2025

COMMENTS: _____

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

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

Contract: ICES02
SDG NO.: Q3400
DFTPP Injection Date: 10/24/2025
DFTPP Injection Time: 08:20

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

1-Value is % mass 69

2-Value is % mass 442

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

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BG064582.D
Instrument ID: BNA_G

Contract: ICES02
SDG NO.: Q3400
DFTPP Injection Date: 10/27/2025
DFTPP Injection Time: 11:16

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	33.2
70	Less than 2.0% of mass 69	0.1 (0.2) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7
365	Greater than 1% of mass 198	5.2
441	Present, but less than mass 443	16.1
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	BG064583.D	10/27/2025	11:57
PB170222BL	PB170222BL	BG064584.D	10/27/2025	12:38
PB170222BS	PB170222BS	BG064585.D	10/27/2025	13:19
PB170222BSD	PB170222BSD	BG064586.D	10/27/2025	14:00
FRAC-TANK-0760450	Q3400-01	BG064593.D	10/27/2025	18:47
SSTDCCC040EC	SSTDCCC040	BG064598.D	10/27/2025	22:11

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3400

Client ID : SSTDCCC040

Date Analyzed: 10/27/2025

Lab File ID: BG064583.D

Time Analyzed: 11:57

Instrument ID: BNA_G

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	39737	8.22	173874	11.05	136456	14.84
UPPER LIMIT	79474	8.72	347748	11.546	272912	15.342
LOWER LIMIT	19868.5	7.72	86937	10.546	68228	14.342
EPA SAMPLE NO.						
01 PB170222BL	45325	8.22	169145	11.04	133935	14.84
02 PB170222BS	45379	8.22	155959	11.05	125067	14.84
03 PB170222BSD	40304	8.22	162009	11.05	130466	14.84
04 FRAC-TANK-0760450	33849.5	8.22	134030	11.05	109277	14.84

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.: Q3400

Client ID: SSTDCCC040

Date Analyzed: 10/27/2025

Lab File ID: BG064583.D

Time Analyzed: 11:57

Instrument ID: BNA_G

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	324576	17.58	347536	21.851	368889	25.194
UPPER LIMIT	649152	18.08	695072	22.351	737778	25.694
LOWER LIMIT	162288	17.08	173768	21.351	184445	24.694
EPA SAMPLE NO.						
01 PB170222BL	334609	17.58	371267	21.85	392267	25.19
02 PB170222BS	301008	17.58	321139	21.86	327874	25.19
03 PB170222BSD	304053	17.58	320700	21.85	326136	25.20
04 FRAC-TANK-0760450	262954	17.58	285454	21.85	310819	25.19

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: PB170222BL
Lab Sample ID: PB170222BL
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 1000 mL Final Vol: 1000 uL
Prep Method : 3510 Prep Date: 10/22/25 09:08

Date Collected:
Date Received:
SDG No.: Q3400
Matrix: Water
% Solid: 0
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS										
100-52-7	Benzaldehyde	8.00	U	1	3.90	8.00	10.0	ug/L	10/27/25 12:38	PB170222
108-95-2	Phenol	4.00	U	1	0.91	4.00	5.00	ug/L	10/27/25 12:38	PB170222
111-44-4	bis(2-Chloroethyl)ether	4.00	U	1	0.81	4.00	5.00	ug/L	10/27/25 12:38	PB170222
95-57-8	2-Chlorophenol	4.00	U	1	0.58	4.00	5.00	ug/L	10/27/25 12:38	PB170222
95-48-7	2-Methylphenol	4.00	U	1	1.10	4.00	5.00	ug/L	10/27/25 12:38	PB170222
108-60-1	2,2-oxybis(1-Chloropropane)	4.00	U	1	1.30	4.00	5.00	ug/L	10/27/25 12:38	PB170222
98-86-2	Acetophenone	4.00	U	1	0.74	4.00	5.00	ug/L	10/27/25 12:38	PB170222
65794-96-9	3+4-Methylphenols	8.00	U	1	1.10	8.00	10.0	ug/L	10/27/25 12:38	PB170222
621-64-7	n-Nitroso-di-n-propylamine	2.50	U	1	1.40	2.50	2.50	ug/L	10/27/25 12:38	PB170222
67-72-1	Hexachloroethane	4.00	U	1	0.65	4.00	5.00	ug/L	10/27/25 12:38	PB170222
98-95-3	Nitrobenzene	4.00	U	1	0.76	4.00	5.00	ug/L	10/27/25 12:38	PB170222
78-59-1	Isophorone	4.00	U	1	0.75	4.00	5.00	ug/L	10/27/25 12:38	PB170222
88-75-5	2-Nitrophenol	4.00	U	1	1.80	4.00	5.00	ug/L	10/27/25 12:38	PB170222
105-67-9	2,4-Dimethylphenol	4.00	U	1	1.90	4.00	5.00	ug/L	10/27/25 12:38	PB170222
111-91-1	bis(2-Chloroethoxy)methane	4.00	U	1	0.68	4.00	5.00	ug/L	10/27/25 12:38	PB170222
120-83-2	2,4-Dichlorophenol	4.00	U	1	0.52	4.00	5.00	ug/L	10/27/25 12:38	PB170222
91-20-3	Naphthalene	4.00	U	1	0.50	4.00	5.00	ug/L	10/27/25 12:38	PB170222
106-47-8	4-Chloroaniline	4.00	U	1	0.84	4.00	5.00	ug/L	10/27/25 12:38	PB170222
87-68-3	Hexachlorobutadiene	4.00	U	1	0.54	4.00	5.00	ug/L	10/27/25 12:38	PB170222
105-60-2	Caprolactam	8.00	U	1	1.10	8.00	10.0	ug/L	10/27/25 12:38	PB170222
59-50-7	4-Chloro-3-methylphenol	4.00	U	1	0.59	4.00	5.00	ug/L	10/27/25 12:38	PB170222
91-57-6	2-Methylnaphthalene	4.00	U	1	0.56	4.00	5.00	ug/L	10/27/25 12:38	PB170222
77-47-4	Hexachlorocyclopentadiene	8.00	U	1	3.60	8.00	10.0	ug/L	10/27/25 12:38	PB170222
88-06-2	2,4,6-Trichlorophenol	4.00	U	1	0.51	4.00	5.00	ug/L	10/27/25 12:38	PB170222
95-95-4	2,4,5-Trichlorophenol	4.00	U	1	0.62	4.00	5.00	ug/L	10/27/25 12:38	PB170222
92-52-4	1,1-Biphenyl	4.00	U	1	0.53	4.00	5.00	ug/L	10/27/25 12:38	PB170222
91-58-7	2-Chloronaphthalene	4.00	U	1	0.61	4.00	5.00	ug/L	10/27/25 12:38	PB170222
88-74-4	2-Nitroaniline	4.00	U	1	1.30	4.00	5.00	ug/L	10/27/25 12:38	PB170222
131-11-3	Dimethylphthalate	4.00	U	1	0.61	4.00	5.00	ug/L	10/27/25 12:38	PB170222
208-96-8	Acenaphthylene	4.00	U	1	0.75	4.00	5.00	ug/L	10/27/25 12:38	PB170222
606-20-2	2,6-Dinitrotoluene	4.00	U	1	0.92	4.00	5.00	ug/L	10/27/25 12:38	PB170222
99-09-2	3-Nitroaniline	4.00	U	1	1.10	4.00	5.00	ug/L	10/27/25 12:38	PB170222
83-32-9	Acenaphthene	4.00	U	1	0.55	4.00	5.00	ug/L	10/27/25 12:38	PB170222
51-28-5	2,4-Dinitrophenol	8.00	U	1	6.00	8.00	10.0	ug/L	10/27/25 12:38	PB170222
100-02-7	4-Nitrophenol	8.00	U	1	2.40	8.00	10.0	ug/L	10/27/25 12:38	PB170222
132-64-9	Dibenzofuran	4.00	U	1	0.61	4.00	5.00	ug/L	10/27/25 12:38	PB170222
121-14-2	2,4-Dinitrotoluene	4.00	U	1	1.20	4.00	5.00	ug/L	10/27/25 12:38	PB170222
84-66-2	Diethylphthalate	4.00	U	1	0.69	4.00	5.00	ug/L	10/27/25 12:38	PB170222
7005-72-3	4-Chlorophenyl-phenylether	4.00	U	1	0.68	4.00	5.00	ug/L	10/27/25 12:38	PB170222
86-73-7	Fluorene	4.00	U	1	0.63	4.00	5.00	ug/L	10/27/25 12:38	PB170222
100-01-6	4-Nitroaniline	4.00	U	1	1.50	4.00	5.00	ug/L	10/27/25 12:38	PB170222
534-52-1	4,6-Dinitro-2-methylphenol	8.00	U	1	2.90	8.00	10.0	ug/L	10/27/25 12:38	PB170222

Report of Analysis

Client: ICE Service Group, Inc.
Project: NWIRP Northrup Grumman Site – Bethpage, NY
Client Sample ID: PB170222BL
Lab Sample ID: PB170222BL
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 1000 mL Final Vol: 1000 uL
Prep Method : 3510 Prep Date: 10/22/25 09:08

Date Collected:
Date Received:
SDG No.: Q3400
Matrix: Water
% Solid: 0
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	4.00	U	1	0.58	4.00	5.00	ug/L	10/27/25 12:38	PB170222
101-55-3	4-Bromophenyl-phenylether	4.00	U	1	0.40	4.00	5.00	ug/L	10/27/25 12:38	PB170222
118-74-1	Hexachlorobenzene	4.00	U	1	0.52	4.00	5.00	ug/L	10/27/25 12:38	PB170222
1912-24-9	Atrazine	4.00	U	1	1.00	4.00	5.00	ug/L	10/27/25 12:38	PB170222
87-86-5	Pentachlorophenol	8.00	U	1	1.60	8.00	10.0	ug/L	10/27/25 12:38	PB170222
85-01-8	Phenanthrene	4.00	U	1	0.50	4.00	5.00	ug/L	10/27/25 12:38	PB170222
120-12-7	Anthracene	4.00	U	1	0.61	4.00	5.00	ug/L	10/27/25 12:38	PB170222
86-74-8	Carbazole	4.00	U	1	0.72	4.00	5.00	ug/L	10/27/25 12:38	PB170222
84-74-2	Di-n-butylphthalate	4.00	U	1	1.20	4.00	5.00	ug/L	10/27/25 12:38	PB170222
206-44-0	Fluoranthene	4.00	U	1	0.82	4.00	5.00	ug/L	10/27/25 12:38	PB170222
129-00-0	Pyrene	4.00	U	1	0.50	4.00	5.00	ug/L	10/27/25 12:38	PB170222
85-68-7	Butylbenzylphthalate	4.00	U	1	1.90	4.00	5.00	ug/L	10/27/25 12:38	PB170222
91-94-1	3,3-Dichlorobenzidine	8.00	U	1	0.93	8.00	10.0	ug/L	10/27/25 12:38	PB170222
56-55-3	Benzo(a)anthracene	4.00	U	1	0.45	4.00	5.00	ug/L	10/27/25 12:38	PB170222
218-01-9	Chrysene	4.00	U	1	0.44	4.00	5.00	ug/L	10/27/25 12:38	PB170222
117-81-7	Bis(2-ethylhexyl)phthalate	4.00	U	1	1.60	4.00	5.00	ug/L	10/27/25 12:38	PB170222
117-84-0	Di-n-octyl phthalate	8.00	U	1	2.30	8.00	10.0	ug/L	10/27/25 12:38	PB170222
205-99-2	Benzo(b)fluoranthene	4.00	U	1	0.49	4.00	5.00	ug/L	10/27/25 12:38	PB170222
207-08-9	Benzo(k)fluoranthene	4.00	U	1	0.48	4.00	5.00	ug/L	10/27/25 12:38	PB170222
50-32-8	Benzo(a)pyrene	4.00	U	1	0.55	4.00	5.00	ug/L	10/27/25 12:38	PB170222
193-39-5	Indeno(1,2,3-cd)pyrene	4.00	U	1	0.59	4.00	5.00	ug/L	10/27/25 12:38	PB170222
53-70-3	Dibenzo(a,h)anthracene	4.00	U	1	0.67	4.00	5.00	ug/L	10/27/25 12:38	PB170222
191-24-2	Benzo(g,h,i)perylene	4.00	U	1	0.69	4.00	5.00	ug/L	10/27/25 12:38	PB170222
95-94-3	1,2,4,5-Tetrachlorobenzene	4.00	U	1	0.52	4.00	5.00	ug/L	10/27/25 12:38	PB170222
123-91-1	1,4-Dioxane	4.00	U	1	1.00	4.00	5.00	ug/L	10/27/25 12:38	PB170222
58-90-2	2,3,4,6-Tetrachlorophenol	4.00	U	1	0.72	4.00	5.00	ug/L	10/27/25 12:38	PB170222

SURROGATES

367-12-4	2-Fluorophenol	162		19 - 119	108%	SPK: 150
13127-88-3	Phenol-d6	157		10 - 130	105%	SPK: 150
4165-60-0	Nitrobenzene-d5	96.1		44 - 120	96%	SPK: 100
321-60-8	2-Fluorobiphenyl	93.5		44 - 119	94%	SPK: 100
118-79-6	2,4,6-Tribromophenol	143		43 - 140	95%	SPK: 150
1718-51-0	Terphenyl-d14	94.1		50 - 134	94%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	45300
1146-65-2	Naphthalene-d8	169000
15067-26-2	Acenaphthene-d10	134000
1517-22-2	Phenanthrene-d10	335000
1719-03-5	Chrysene-d12	371000
1520-96-3	Perylene-d12	392000

TENTATIVE IDENTIFIED COMPOUNDS

006311-48-4	(1,1-Biphenyl)-4,4-diamine, N,N	6.80	J	32.6	ug/L
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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:	PB170222BL		SDG No.:	Q3400
Lab Sample ID:	PB170222BL		Matrix:	Water
Analytical Method:	8270E	Level : LOW	% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	3510	Prep Date: 10/22/25 09:08		

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: PB170222BS
Lab Sample ID: PB170222BS
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 1000 mL Final Vol: 1000 uL
Prep Method : 3510 Prep Date: 10/22/25 09:08

Date Collected:
Date Received:
SDG No.: Q3400
Matrix: Water
% Solid: 0
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS										
100-52-7	Benzaldehyde	13.2		1	3.90	8.00	10.0	ug/L	10/27/25 13:19	PB170222
108-95-2	Phenol	40.8		1	0.91	4.00	5.00	ug/L	10/27/25 13:19	PB170222
111-44-4	bis(2-Chloroethyl)ether	27.3		1	0.81	4.00	5.00	ug/L	10/27/25 13:19	PB170222
95-57-8	2-Chlorophenol	41.9		1	0.58	4.00	5.00	ug/L	10/27/25 13:19	PB170222
95-48-7	2-Methylphenol	39.5		1	1.10	4.00	5.00	ug/L	10/27/25 13:19	PB170222
108-60-1	2,2-oxybis(1-Chloropropane)	32.0		1	1.30	4.00	5.00	ug/L	10/27/25 13:19	PB170222
98-86-2	Acetophenone	42.0		1	0.74	4.00	5.00	ug/L	10/27/25 13:19	PB170222
65794-96-9	3+4-Methylphenols	34.8		1	1.10	8.00	10.0	ug/L	10/27/25 13:19	PB170222
621-64-7	n-Nitroso-di-n-propylamine	33.2		1	1.40	2.50	2.50	ug/L	10/27/25 13:19	PB170222
67-72-1	Hexachloroethane	32.7		1	0.65	4.00	5.00	ug/L	10/27/25 13:19	PB170222
98-95-3	Nitrobenzene	40.6		1	0.76	4.00	5.00	ug/L	10/27/25 13:19	PB170222
78-59-1	Isophorone	39.6		1	0.75	4.00	5.00	ug/L	10/27/25 13:19	PB170222
88-75-5	2-Nitrophenol	35.3		1	1.80	4.00	5.00	ug/L	10/27/25 13:19	PB170222
105-67-9	2,4-Dimethylphenol	48.9		1	1.90	4.00	5.00	ug/L	10/27/25 13:19	PB170222
111-91-1	bis(2-Chloroethoxy)methane	40.2		1	0.68	4.00	5.00	ug/L	10/27/25 13:19	PB170222
120-83-2	2,4-Dichlorophenol	44.8		1	0.52	4.00	5.00	ug/L	10/27/25 13:19	PB170222
91-20-3	Naphthalene	39.3		1	0.50	4.00	5.00	ug/L	10/27/25 13:19	PB170222
106-47-8	4-Chloroaniline	20.8		1	0.84	4.00	5.00	ug/L	10/27/25 13:19	PB170222
87-68-3	Hexachlorobutadiene	39.1		1	0.54	4.00	5.00	ug/L	10/27/25 13:19	PB170222
105-60-2	Caprolactam	39.1		1	1.10	8.00	10.0	ug/L	10/27/25 13:19	PB170222
59-50-7	4-Chloro-3-methylphenol	42.4		1	0.59	4.00	5.00	ug/L	10/27/25 13:19	PB170222
91-57-6	2-Methylnaphthalene	36.6		1	0.56	4.00	5.00	ug/L	10/27/25 13:19	PB170222
77-47-4	Hexachlorocyclopentadiene	98.2	E	1	3.60	8.00	10.0	ug/L	10/27/25 13:19	PB170222
88-06-2	2,4,6-Trichlorophenol	43.5		1	0.51	4.00	5.00	ug/L	10/27/25 13:19	PB170222
95-95-4	2,4,5-Trichlorophenol	42.8		1	0.62	4.00	5.00	ug/L	10/27/25 13:19	PB170222
92-52-4	1,1-Biphenyl	42.4		1	0.53	4.00	5.00	ug/L	10/27/25 13:19	PB170222
91-58-7	2-Chloronaphthalene	39.3		1	0.61	4.00	5.00	ug/L	10/27/25 13:19	PB170222
88-74-4	2-Nitroaniline	36.3		1	1.30	4.00	5.00	ug/L	10/27/25 13:19	PB170222
131-11-3	Dimethylphthalate	39.8		1	0.61	4.00	5.00	ug/L	10/27/25 13:19	PB170222
208-96-8	Acenaphthylene	45.0		1	0.75	4.00	5.00	ug/L	10/27/25 13:19	PB170222
606-20-2	2,6-Dinitrotoluene	41.3		1	0.92	4.00	5.00	ug/L	10/27/25 13:19	PB170222
99-09-2	3-Nitroaniline	29.3		1	1.10	4.00	5.00	ug/L	10/27/25 13:19	PB170222
83-32-9	Acenaphthene	42.0		1	0.55	4.00	5.00	ug/L	10/27/25 13:19	PB170222
51-28-5	2,4-Dinitrophenol	74.3		1	6.00	8.00	10.0	ug/L	10/27/25 13:19	PB170222
100-02-7	4-Nitrophenol	82.7	E	1	2.40	8.00	10.0	ug/L	10/27/25 13:19	PB170222
132-64-9	Dibenzofuran	39.8		1	0.61	4.00	5.00	ug/L	10/27/25 13:19	PB170222
121-14-2	2,4-Dinitrotoluene	39.0		1	1.20	4.00	5.00	ug/L	10/27/25 13:19	PB170222
84-66-2	Diethylphthalate	39.4		1	0.69	4.00	5.00	ug/L	10/27/25 13:19	PB170222
7005-72-3	4-Chlorophenyl-phenylether	40.0		1	0.68	4.00	5.00	ug/L	10/27/25 13:19	PB170222
86-73-7	Fluorene	40.9		1	0.63	4.00	5.00	ug/L	10/27/25 13:19	PB170222
100-01-6	4-Nitroaniline	42.1		1	1.50	4.00	5.00	ug/L	10/27/25 13:19	PB170222
534-52-1	4,6-Dinitro-2-methylphenol	39.3		1	2.90	8.00	10.0	ug/L	10/27/25 13:19	PB170222

Report of Analysis

Client: ICE Service Group, Inc.
Project: NWIRP Northrup Grumman Site – Bethpage, NY
Client Sample ID: PB170222BS
Lab Sample ID: PB170222BS
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 1000 mL Final Vol: 1000 uL
Prep Method : 3510 Prep Date: 10/22/25 09:08

Date Collected:
Date Received:
SDG No.: Q3400
Matrix: Water
% Solid: 0
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	42.5		1	0.58	4.00	5.00	ug/L	10/27/25 13:19	PB170222
101-55-3	4-Bromophenyl-phenylether	40.9		1	0.40	4.00	5.00	ug/L	10/27/25 13:19	PB170222
118-74-1	Hexachlorobenzene	41.1		1	0.52	4.00	5.00	ug/L	10/27/25 13:19	PB170222
1912-24-9	Atrazine	40.0		1	1.00	4.00	5.00	ug/L	10/27/25 13:19	PB170222
87-86-5	Pentachlorophenol	84.1	E	1	1.60	8.00	10.0	ug/L	10/27/25 13:19	PB170222
85-01-8	Phenanthrene	40.0		1	0.50	4.00	5.00	ug/L	10/27/25 13:19	PB170222
120-12-7	Anthracene	40.2		1	0.61	4.00	5.00	ug/L	10/27/25 13:19	PB170222
86-74-8	Carbazole	40.3		1	0.72	4.00	5.00	ug/L	10/27/25 13:19	PB170222
84-74-2	Di-n-butylphthalate	39.0		1	1.20	4.00	5.00	ug/L	10/27/25 13:19	PB170222
206-44-0	Fluoranthene	39.3		1	0.82	4.00	5.00	ug/L	10/27/25 13:19	PB170222
129-00-0	Pyrene	39.9		1	0.50	4.00	5.00	ug/L	10/27/25 13:19	PB170222
85-68-7	Butylbenzylphthalate	43.2		1	1.90	4.00	5.00	ug/L	10/27/25 13:19	PB170222
91-94-1	3,3-Dichlorobenzidine	28.9		1	0.93	8.00	10.0	ug/L	10/27/25 13:19	PB170222
56-55-3	Benzo(a)anthracene	40.9		1	0.45	4.00	5.00	ug/L	10/27/25 13:19	PB170222
218-01-9	Chrysene	40.1		1	0.44	4.00	5.00	ug/L	10/27/25 13:19	PB170222
117-81-7	Bis(2-ethylhexyl)phthalate	42.5		1	1.60	4.00	5.00	ug/L	10/27/25 13:19	PB170222
117-84-0	Di-n-octyl phthalate	42.0		1	2.30	8.00	10.0	ug/L	10/27/25 13:19	PB170222
205-99-2	Benzo(b)fluoranthene	42.5		1	0.49	4.00	5.00	ug/L	10/27/25 13:19	PB170222
207-08-9	Benzo(k)fluoranthene	43.9		1	0.48	4.00	5.00	ug/L	10/27/25 13:19	PB170222
50-32-8	Benzo(a)pyrene	44.1		1	0.55	4.00	5.00	ug/L	10/27/25 13:19	PB170222
193-39-5	Indeno(1,2,3-cd)pyrene	42.0		1	0.59	4.00	5.00	ug/L	10/27/25 13:19	PB170222
53-70-3	Dibenzo(a,h)anthracene	43.2		1	0.67	4.00	5.00	ug/L	10/27/25 13:19	PB170222
191-24-2	Benzo(g,h,i)perylene	42.0		1	0.69	4.00	5.00	ug/L	10/27/25 13:19	PB170222
95-94-3	1,2,4,5-Tetrachlorobenzene	40.9		1	0.52	4.00	5.00	ug/L	10/27/25 13:19	PB170222
123-91-1	1,4-Dioxane	30.8		1	1.00	4.00	5.00	ug/L	10/27/25 13:19	PB170222
58-90-2	2,3,4,6-Tetrachlorophenol	45.3		1	0.72	4.00	5.00	ug/L	10/27/25 13:19	PB170222

SURROGATES

367-12-4	2-Fluorophenol	124		19 - 119	82%	SPK: 150
13127-88-3	Phenol-d6	123		10 - 130	82%	SPK: 150
4165-60-0	Nitrobenzene-d5	83.3		44 - 120	83%	SPK: 100
321-60-8	2-Fluorobiphenyl	80.1		44 - 119	80%	SPK: 100
118-79-6	2,4,6-Tribromophenol	127		43 - 140	84%	SPK: 150
1718-51-0	Terphenyl-d14	82.9		50 - 134	83%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	45400
1146-65-2	Naphthalene-d8	156000
15067-26-2	Acenaphthene-d10	125000
1517-22-2	Phenanthrene-d10	301000
1719-03-5	Chrysene-d12	321000
1520-96-3	Perylene-d12	328000

Report of Analysis

Client:	ICE Service Group, Inc.	Date Collected:	
Project:	NWIRP Northrup Grumman Site – Bethpage, NY	Date Received:	
Client Sample ID:	PB170222BS	SDG No.:	Q3400
Lab Sample ID:	PB170222BS	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 mL	Test:	SVOC-TCL BNA -20
Prep Method :	3510		
	Level : LOW		
	Final Vol: 1000 uL		
	Prep Date: 10/22/25 09:08		

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: PB170222BSD
Lab Sample ID: PB170222BSD
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 1000 mL Final Vol: 1000 uL
Prep Method : 3510 Prep Date: 10/22/25 09:08

Date Collected:
Date Received:
SDG No.: Q3400
Matrix: Water
% Solid: 0
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS										
100-52-7	Benzaldehyde	13.3		1	3.90	8.00	10.0	ug/L	10/27/25 14:00	PB170222
108-95-2	Phenol	42.3		1	0.91	4.00	5.00	ug/L	10/27/25 14:00	PB170222
111-44-4	bis(2-Chloroethyl)ether	27.9		1	0.81	4.00	5.00	ug/L	10/27/25 14:00	PB170222
95-57-8	2-Chlorophenol	43.8		1	0.58	4.00	5.00	ug/L	10/27/25 14:00	PB170222
95-48-7	2-Methylphenol	42.1		1	1.10	4.00	5.00	ug/L	10/27/25 14:00	PB170222
108-60-1	2,2-oxybis(1-Chloropropane)	37.2		1	1.30	4.00	5.00	ug/L	10/27/25 14:00	PB170222
98-86-2	Acetophenone	42.8		1	0.74	4.00	5.00	ug/L	10/27/25 14:00	PB170222
65794-96-9	3+4-Methylphenols	41.8		1	1.10	8.00	10.0	ug/L	10/27/25 14:00	PB170222
621-64-7	n-Nitroso-di-n-propylamine	41.1		1	1.40	2.50	2.50	ug/L	10/27/25 14:00	PB170222
67-72-1	Hexachloroethane	38.1		1	0.65	4.00	5.00	ug/L	10/27/25 14:00	PB170222
98-95-3	Nitrobenzene	42.1		1	0.76	4.00	5.00	ug/L	10/27/25 14:00	PB170222
78-59-1	Isophorone	40.0		1	0.75	4.00	5.00	ug/L	10/27/25 14:00	PB170222
88-75-5	2-Nitrophenol	37.9		1	1.80	4.00	5.00	ug/L	10/27/25 14:00	PB170222
105-67-9	2,4-Dimethylphenol	48.0		1	1.90	4.00	5.00	ug/L	10/27/25 14:00	PB170222
111-91-1	bis(2-Chloroethoxy)methane	40.8		1	0.68	4.00	5.00	ug/L	10/27/25 14:00	PB170222
120-83-2	2,4-Dichlorophenol	45.3		1	0.52	4.00	5.00	ug/L	10/27/25 14:00	PB170222
91-20-3	Naphthalene	39.5		1	0.50	4.00	5.00	ug/L	10/27/25 14:00	PB170222
106-47-8	4-Chloroaniline	21.6		1	0.84	4.00	5.00	ug/L	10/27/25 14:00	PB170222
87-68-3	Hexachlorobutadiene	39.0		1	0.54	4.00	5.00	ug/L	10/27/25 14:00	PB170222
105-60-2	Caprolactam	37.7		1	1.10	8.00	10.0	ug/L	10/27/25 14:00	PB170222
59-50-7	4-Chloro-3-methylphenol	42.9		1	0.59	4.00	5.00	ug/L	10/27/25 14:00	PB170222
91-57-6	2-Methylnaphthalene	36.6		1	0.56	4.00	5.00	ug/L	10/27/25 14:00	PB170222
77-47-4	Hexachlorocyclopentadiene	100	E	1	3.60	8.00	10.0	ug/L	10/27/25 14:00	PB170222
88-06-2	2,4,6-Trichlorophenol	43.7		1	0.51	4.00	5.00	ug/L	10/27/25 14:00	PB170222
95-95-4	2,4,5-Trichlorophenol	43.5		1	0.62	4.00	5.00	ug/L	10/27/25 14:00	PB170222
92-52-4	1,1-Biphenyl	42.1		1	0.53	4.00	5.00	ug/L	10/27/25 14:00	PB170222
91-58-7	2-Chloronaphthalene	39.3		1	0.61	4.00	5.00	ug/L	10/27/25 14:00	PB170222
88-74-4	2-Nitroaniline	38.1		1	1.30	4.00	5.00	ug/L	10/27/25 14:00	PB170222
131-11-3	Dimethylphthalate	39.2		1	0.61	4.00	5.00	ug/L	10/27/25 14:00	PB170222
208-96-8	Acenaphthylene	45.1		1	0.75	4.00	5.00	ug/L	10/27/25 14:00	PB170222
606-20-2	2,6-Dinitrotoluene	42.0		1	0.92	4.00	5.00	ug/L	10/27/25 14:00	PB170222
99-09-2	3-Nitroaniline	30.0		1	1.10	4.00	5.00	ug/L	10/27/25 14:00	PB170222
83-32-9	Acenaphthene	42.2		1	0.55	4.00	5.00	ug/L	10/27/25 14:00	PB170222
51-28-5	2,4-Dinitrophenol	75.2		1	6.00	8.00	10.0	ug/L	10/27/25 14:00	PB170222
100-02-7	4-Nitrophenol	82.1	E	1	2.40	8.00	10.0	ug/L	10/27/25 14:00	PB170222
132-64-9	Dibenzofuran	39.2		1	0.61	4.00	5.00	ug/L	10/27/25 14:00	PB170222
121-14-2	2,4-Dinitrotoluene	40.6		1	1.20	4.00	5.00	ug/L	10/27/25 14:00	PB170222
84-66-2	Diethylphthalate	38.5		1	0.69	4.00	5.00	ug/L	10/27/25 14:00	PB170222
7005-72-3	4-Chlorophenyl-phenylether	39.4		1	0.68	4.00	5.00	ug/L	10/27/25 14:00	PB170222
86-73-7	Fluorene	40.2		1	0.63	4.00	5.00	ug/L	10/27/25 14:00	PB170222
100-01-6	4-Nitroaniline	39.9		1	1.50	4.00	5.00	ug/L	10/27/25 14:00	PB170222
534-52-1	4,6-Dinitro-2-methylphenol	40.8		1	2.90	8.00	10.0	ug/L	10/27/25 14:00	PB170222

Report of Analysis

Client: ICE Service Group, Inc.
Project: NWIRP Northrup Grumman Site – Bethpage, NY
Client Sample ID: PB170222BSD
Lab Sample ID: PB170222BSD
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 1000 mL Final Vol: 1000 uL
Prep Method : 3510 Prep Date: 10/22/25 09:08

Date Collected:
Date Received:
SDG No.: Q3400
Matrix: Water
% Solid: 0
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	42.3		1	0.58	4.00	5.00	ug/L	10/27/25 14:00	PB170222
101-55-3	4-Bromophenyl-phenylether	40.9		1	0.40	4.00	5.00	ug/L	10/27/25 14:00	PB170222
118-74-1	Hexachlorobenzene	41.3		1	0.52	4.00	5.00	ug/L	10/27/25 14:00	PB170222
1912-24-9	Atrazine	39.8		1	1.00	4.00	5.00	ug/L	10/27/25 14:00	PB170222
87-86-5	Pentachlorophenol	86.5	E	1	1.60	8.00	10.0	ug/L	10/27/25 14:00	PB170222
85-01-8	Phenanthrene	40.5		1	0.50	4.00	5.00	ug/L	10/27/25 14:00	PB170222
120-12-7	Anthracene	40.0		1	0.61	4.00	5.00	ug/L	10/27/25 14:00	PB170222
86-74-8	Carbazole	40.0		1	0.72	4.00	5.00	ug/L	10/27/25 14:00	PB170222
84-74-2	Di-n-butylphthalate	38.6		1	1.20	4.00	5.00	ug/L	10/27/25 14:00	PB170222
206-44-0	Fluoranthene	38.8		1	0.82	4.00	5.00	ug/L	10/27/25 14:00	PB170222
129-00-0	Pyrene	39.9		1	0.50	4.00	5.00	ug/L	10/27/25 14:00	PB170222
85-68-7	Butylbenzylphthalate	44.0		1	1.90	4.00	5.00	ug/L	10/27/25 14:00	PB170222
91-94-1	3,3-Dichlorobenzidine	28.9		1	0.93	8.00	10.0	ug/L	10/27/25 14:00	PB170222
56-55-3	Benzo(a)anthracene	41.1		1	0.45	4.00	5.00	ug/L	10/27/25 14:00	PB170222
218-01-9	Chrysene	40.4		1	0.44	4.00	5.00	ug/L	10/27/25 14:00	PB170222
117-81-7	Bis(2-ethylhexyl)phthalate	42.9		1	1.60	4.00	5.00	ug/L	10/27/25 14:00	PB170222
117-84-0	Di-n-octyl phthalate	42.4		1	2.30	8.00	10.0	ug/L	10/27/25 14:00	PB170222
205-99-2	Benzo(b)fluoranthene	43.5		1	0.49	4.00	5.00	ug/L	10/27/25 14:00	PB170222
207-08-9	Benzo(k)fluoranthene	43.1		1	0.48	4.00	5.00	ug/L	10/27/25 14:00	PB170222
50-32-8	Benzo(a)pyrene	44.8		1	0.55	4.00	5.00	ug/L	10/27/25 14:00	PB170222
193-39-5	Indeno(1,2,3-cd)pyrene	42.7		1	0.59	4.00	5.00	ug/L	10/27/25 14:00	PB170222
53-70-3	Dibenzo(a,h)anthracene	43.6		1	0.67	4.00	5.00	ug/L	10/27/25 14:00	PB170222
191-24-2	Benzo(g,h,i)perylene	42.7		1	0.69	4.00	5.00	ug/L	10/27/25 14:00	PB170222
95-94-3	1,2,4,5-Tetrachlorobenzene	41.9		1	0.52	4.00	5.00	ug/L	10/27/25 14:00	PB170222
123-91-1	1,4-Dioxane	34.3		1	1.00	4.00	5.00	ug/L	10/27/25 14:00	PB170222
58-90-2	2,3,4,6-Tetrachlorophenol	45.3		1	0.72	4.00	5.00	ug/L	10/27/25 14:00	PB170222

SURROGATES

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

INTERNAL STANDARDS

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

Report of Analysis

Client: ICE Service Group, Inc.
Project: NWIRP Northrup Grumman Site – Bethpage, NY
Client Sample ID: PB170222BSD
Lab Sample ID: PB170222BSD
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 1000 mL Final Vol: 1000 uL
Prep Method : 3510 Prep Date: 10/22/25 09:08

Date Collected:
Date Received:
SDG No.: Q3400
Matrix: Water
% Solid: 0
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	Prep BatchID
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



CALIBRATION SUMMARY

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

Calibration Files

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

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

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

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

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

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

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

(#) = Out of Range

A
B
C
D
E
F
G

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>ICES02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3400</u>
Instrument ID:	<u>BNA_G</u>	Calibration Date/Time:	<u>10/27/2025 11:57</u>
Lab File ID:	<u>BG064583.D</u>	Init. Calib. Date(s):	<u>10/24/2025 10/24/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>09:00 15:32</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.192	1.450		21.6	
Benzaldehyde	0.893	1.717		92.3	
Phenol-d6	1.635	2.044		25.0	
Phenol	1.808	2.253		24.6	20.0
bis(2-Chloroethyl)ether	2.225	2.744		23.3	
2-Chlorophenol	1.247	1.578		26.5	
2-Methylphenol	0.674	0.741		9.9	
2,2-oxybis(1-Chloropropane)	3.487	3.810		9.3	
Acetophenone	0.547	0.561		2.6	
3+4-Methylphenols	1.688	1.798		6.5	
n-Nitroso-di-n-propylamine	1.130	1.299	0.050	15.0	
Nitrobenzene-d5	0.333	0.335		0.6	
Hexachloroethane	0.512	0.530		3.5	
Nitrobenzene	0.362	0.371		2.5	
Isophorone	0.799	0.838		4.9	
2-Nitrophenol	0.121	0.114		-5.8	20.0
2,4-Dimethylphenol	0.303	0.316		4.3	
bis(2-Chloroethoxy)methane	0.455	0.477		4.8	
2,4-Dichlorophenol	0.320	0.336		5.0	20.0
Naphthalene	1.109	1.134		2.3	
4-Chloroaniline	0.431	0.451		4.6	
Hexachlorobutadiene	0.284	0.289		1.8	20.0
Caprolactam	0.123	0.118		-4.1	
4-Chloro-3-methylphenol	0.384	0.401		4.4	20.0
2-Methylnaphthalene	0.814	0.842		3.4	
Hexachlorocyclopentadiene	0.302	0.278	0.050	-7.9	
2,4,6-Trichlorophenol	0.384	0.396		3.1	20.0
2-Fluorobiphenyl	1.319	1.332		1.0	
2,4,5-Trichlorophenol	0.443	0.454		2.5	
1,1-Biphenyl	1.422	1.458		2.5	
2-Chloronaphthalene	1.073	1.098		2.3	
2-Nitroaniline	0.311	0.299		-3.9	
Dimethylphthalate	1.530	1.534		0.3	
Acenaphthylene	1.693	1.726		1.9	
2,6-Dinitrotoluene	0.218	0.217		-0.5	
3-Nitroaniline	0.263	0.266		1.1	
Acenaphthene	1.157	1.176		1.6	20.0
2,4-Dinitrophenol	0.132	0.132	0.050	0.0	
4-Nitrophenol	0.244	0.236	0.050	-3.3	

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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>Q3400</u>
Instrument ID:	<u>BNA_G</u>	Calibration Date/Time:	<u>10/27/2025 11:57</u>
Lab File ID:	<u>BG064583.D</u>	Init. Calib. Date(s):	<u>10/24/2025 10/24/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>09:00 15:32</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.870	1.902		1.7	
2,4-Dinitrotoluene	0.340	0.332		-2.4	
Diethylphthalate	1.563	1.538		-1.6	
4-Chlorophenyl-phenylether	0.820	0.816		-0.5	
Fluorene	1.460	1.460		0.0	
4-Nitroaniline	0.293	0.301		2.7	
4,6-Dinitro-2-methylphenol	0.079	0.080		1.3	
n-Nitrosodiphenylamine	0.540	0.565		4.6	20.0
2,4,6-Tribromophenol	0.289	0.288		-0.3	
4-Bromophenyl-phenylether	0.237	0.247		4.2	
Hexachlorobenzene	0.270	0.278		3.0	
Atrazine	0.232	0.221		-4.7	
Pentachlorophenol	0.169	0.169		0.0	20.0
Phenanthrene	1.094	1.114		1.8	
Anthracene	1.113	1.141		2.5	
Carbazole	0.981	0.995		1.4	
Di-n-butylphthalate	1.135	1.104		-2.7	
Fluoranthene	1.370	1.371		0.1	20.0
Pyrene	1.307	1.325		1.4	
Terphenyl-d14	1.060	1.070		0.8	
Butylbenzylphthalate	0.395	0.419		6.1	
3,3-Dichlorobenzidine	0.443	0.452		2.0	
Benzo (a) anthracene	1.326	1.373		3.5	
Chrysene	1.262	1.294		2.5	
Bis(2-ethylhexyl)phthalate	0.590	0.622		5.4	
Di-n-octyl phthalate	0.995	1.040		4.5	20.0
Benzo (b) fluoranthene	1.226	1.264		3.1	
Benzo (k) fluoranthene	1.227	1.298		5.8	
Benzo (a) pyrene	1.127	1.172		4.0	20.0
Indeno (1,2,3-cd) pyrene	1.471	1.523		3.5	
Dibenzo (a,h) anthracene	1.195	1.242		3.9	
Benzo (g,h,i) perylene	1.471	1.523		3.5	
1,2,4,5-Tetrachlorobenzene	0.671	0.671		0.0	
1,4-Dioxane	0.528	0.633		19.9	20.0
2,3,4,6-Tetrachlorophenol	0.424	0.435		2.6	

All other compounds must meet a minimum RRF of 0.010.

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>ICES02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3400</u>
Instrument ID:	<u>BNA_G</u>	Calibration Date/Time:	<u>10/27/2025 22:11</u>
Lab File ID:	<u>BG064598.D</u>	Init. Calib. Date(s):	<u>10/24/2025 10/24/2025</u>
EPA Sample No.:	<u>SSTDCCC040EC</u>	Init. Calib. Time(s):	<u>09:00 15:32</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.192	1.330		11.6	50.0
Benzaldehyde	0.893	1.635		83.1	50.0
Phenol-d6	1.635	1.717		5.0	50.0
Phenol	1.808	1.928		6.6	50.0
bis(2-Chloroethyl) ether	2.225	2.285		2.7	50.0
2-Chlorophenol	1.247	1.376		10.3	50.0
2-Methylphenol	0.674	0.722		7.1	50.0
2,2-oxybis(1-Chloropropane)	3.487	3.653		4.8	50.0
Acetophenone	0.547	0.568		3.8	50.0
3+4-Methylphenols	1.688	1.790		6.0	50.0
n-Nitroso-di-n-propylamine	1.130	1.228	0.050	8.7	50.0
Nitrobenzene-d5	0.333	0.401		20.4	50.0
Hexachloroethane	0.512	0.558		9.0	50.0
Nitrobenzene	0.362	0.421		16.3	50.0
Isophorone	0.799	0.837		4.8	50.0
2-Nitrophenol	0.121	0.162		33.9	50.0
2,4-Dimethylphenol	0.303	0.324		6.9	50.0
bis(2-Chloroethoxy) methane	0.455	0.466		2.4	50.0
2,4-Dichlorophenol	0.320	0.364		13.8	50.0
Naphthalene	1.109	1.129		1.8	50.0
4-Chloroaniline	0.431	0.446		3.5	50.0
Hexachlorobutadiene	0.284	0.302		6.3	50.0
Caprolactam	0.123	0.117		-4.9	50.0
4-Chloro-3-methylphenol	0.384	0.415		8.1	50.0
2-Methylnaphthalene	0.814	0.841		3.3	50.0
Hexachlorocyclopentadiene	0.302	0.302	0.050	0.0	50.0
2,4,6-Trichlorophenol	0.384	0.436		13.5	50.0
2-Fluorobiphenyl	1.319	1.346		2.0	50.0
2,4,5-Trichlorophenol	0.443	0.492		11.1	50.0
1,1-Biphenyl	1.422	1.444		1.5	50.0
2-Chloronaphthalene	1.073	1.099		2.4	50.0
2-Nitroaniline	0.311	0.391		25.7	50.0
Dimethylphthalate	1.530	1.524		-0.4	50.0
Acenaphthylene	1.693	1.726		1.9	50.0
2,6-Dinitrotoluene	0.218	0.270		23.9	50.0
3-Nitroaniline	0.263	0.302		14.8	50.0
Acenaphthene	1.157	1.192		3.0	50.0
2,4-Dinitrophenol	0.132	0.158	0.050	19.7	50.0
4-Nitrophenol	0.244	0.272	0.050	11.5	50.0

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>ICES02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3400</u>
Instrument ID:	<u>BNA_G</u>	Calibration Date/Time:	<u>10/27/2025 22:11</u>
Lab File ID:	<u>BG064598.D</u>	Init. Calib. Date(s):	<u>10/24/2025 10/24/2025</u>
EPA Sample No.:	<u>SSTDCCC040EC</u>	Init. Calib. Time(s):	<u>09:00 15:32</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.870	1.848		-1.2	50.0
2,4-Dinitrotoluene	0.340	0.413		21.5	50.0
Diethylphthalate	1.563	1.522		-2.6	50.0
4-Chlorophenyl-phenylether	0.820	0.832		1.5	50.0
Fluorene	1.460	1.457		-0.2	50.0
4-Nitroaniline	0.293	0.326		11.3	50.0
4,6-Dinitro-2-methylphenol	0.079	0.104		31.6	50.0
n-Nitrosodiphenylamine	0.540	0.569		5.4	50.0
2,4,6-Tribromophenol	0.289	0.319		10.4	50.0
4-Bromophenyl-phenylether	0.237	0.255		7.6	50.0
Hexachlorobenzene	0.270	0.290		7.4	50.0
Atrazine	0.232	0.228		-1.7	50.0
Pentachlorophenol	0.169	0.193		14.2	50.0
Phenanthrene	1.094	1.137		3.9	50.0
Anthracene	1.113	1.140		2.4	50.0
Carbazole	0.981	0.992		1.1	50.0
Di-n-butylphthalate	1.135	1.148		1.1	50.0
Fluoranthene	1.370	1.396		1.9	50.0
Pyrene	1.307	1.291		-1.2	50.0
Terphenyl-d14	1.060	1.066		0.6	50.0
Butylbenzylphthalate	0.395	0.450		13.9	50.0
3,3-Dichlorobenzidine	0.443	0.454		2.5	50.0
Benzo (a) anthracene	1.326	1.377		3.8	50.0
Chrysene	1.262	1.296		2.7	50.0
Bis(2-ethylhexyl)phthalate	0.590	0.652		10.5	50.0
Di-n-octyl phthalate	0.995	1.108		11.4	50.0
Benzo (b) fluoranthene	1.226	1.246		1.6	50.0
Benzo (k) fluoranthene	1.227	1.262		2.9	50.0
Benzo (a) pyrene	1.127	1.156		2.6	50.0
Indeno (1,2,3-cd) pyrene	1.471	1.510		2.7	50.0
Dibenzo (a,h) anthracene	1.195	1.231		3.0	50.0
Benzo (g,h,i) perylene	1.471	1.510		2.7	50.0
1,2,4,5-Tetrachlorobenzene	0.671	0.704		4.9	50.0
1,4-Dioxane	0.528	0.480		-9.1	50.0
2,3,4,6-Tetrachlorophenol	0.424	0.482		13.7	50.0

All other compounds must meet a minimum RRF of 0.010.