

LAB CHRONICLE

OrderID:	Q3321	OrderDate:	10/9/2025 10:30:00 AM
Client:	Weston Solutions, Inc.	Project:	RFP 918
Contact:	Smita Sumbaly	Location:	D41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3321-01	P001-DS-01	SOIL	SVOC-TCL BNA -20	8270E	10/08/25	10/10/25	10/10/25	10/09/25
Q3321-02	P001-DS-01	TCLP	TCLP BNA	8270E	10/08/25	10/13/25	10/14/25	10/09/25

Hit Summary Sheet SW-846

SDG No.: Q3321
Client: Weston Solutions, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : P001-DS-01								
Q3321-01	P001-DS-01	SOIL	Phenanthrene	710.000		26.6	220	ug/Kg
Q3321-01	P001-DS-01	SOIL	Anthracene	180.000	J	42.4	220	ug/Kg
Q3321-01	P001-DS-01	SOIL	Carbazole	93.800	J	39.8	220	ug/Kg
Q3321-01	P001-DS-01	SOIL	Fluoranthene	1,500.000		38.2	220	ug/Kg
Q3321-01	P001-DS-01	SOIL	Pyrene	970.000		45.9	220	ug/Kg
Q3321-01	P001-DS-01	SOIL	Benzo(a)anthracene	860.000		29.3	220	ug/Kg
Q3321-01	P001-DS-01	SOIL	Chrysene	770.000		25.4	220	ug/Kg
Q3321-01	P001-DS-01	SOIL	Bis(2-ethylhexyl)phthalate	530.000		75.5	220	ug/Kg
Q3321-01	P001-DS-01	SOIL	Benzo(b)fluoranthene	1,300.000		24.2	220	ug/Kg
Q3321-01	P001-DS-01	SOIL	Benzo(k)fluoranthene	490.000		28.6	220	ug/Kg
Q3321-01	P001-DS-01	SOIL	Benzo(a)pyrene	900.000		37.6	220	ug/Kg
Q3321-01	P001-DS-01	SOIL	Indeno(1,2,3-cd)pyrene	430.000		37.1	220	ug/Kg
Q3321-01	P001-DS-01	SOIL	Dibenzo(a,h)anthracene	120.000	J	34.9	220	ug/Kg
Q3321-01	P001-DS-01	SOIL	Benzo(g,h,i)perylene	490.000		32.8	220	ug/Kg
Total Svoc :				9,343.80				
Q3321-01	P001-DS-01	SOIL	2,6-Octadienal, 3,7-dimethyl-, (E) *	160.000	J	0	0	ug/Kg
Q3321-01	P001-DS-01	SOIL	Benzo[e]pyrene *	490.000	J	0	0	ug/Kg
Q3321-01	P001-DS-01	SOIL	Benzophenone *	240.000	J	0	0	ug/Kg
Q3321-01	P001-DS-01	SOIL	Neral *	94.300	J	0	0	ug/Kg
Q3321-01	P001-DS-01	SOIL	n-Hexadecanoic acid *	750.000	J	0	0	ug/Kg
Q3321-01	P001-DS-01	SOIL	Octadecanoic acid *	210.000	J	0	0	ug/Kg
Total Tics :				1,944.30				
Total Concentration:				11,288.10				



SAMPLE DATA

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	10/08/25
Project:	RFP 918	Date Received:	10/09/25
Client Sample ID:	P001-DS-01	SDG No.:	Q3321
Lab Sample ID:	Q3321-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	78.4
Sample Wt/Vol:	30.02 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Level :	LOW
		Final Vol:	1000 uL
		Prep Date:	10/10/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	200	U	1	200	420	ug/Kg	10/10/25 15:51	PB170055
108-95-2	Phenol	28.2	U	1	28.2	220	ug/Kg	10/10/25 15:51	PB170055
111-44-4	bis(2-Chloroethyl)ether	31.0	U	1	31.0	220	ug/Kg	10/10/25 15:51	PB170055
95-57-8	2-Chlorophenol	31.1	U	1	31.1	220	ug/Kg	10/10/25 15:51	PB170055
95-48-7	2-Methylphenol	38.1	U	1	38.1	220	ug/Kg	10/10/25 15:51	PB170055
108-60-1	2,2-oxybis(1-Chloropropane)	47.8	U	1	47.8	220	ug/Kg	10/10/25 15:51	PB170055
98-86-2	Acetophenone	37.6	U	1	37.6	220	ug/Kg	10/10/25 15:51	PB170055
65794-96-9	3+4-Methylphenols	52.4	U	1	52.4	420	ug/Kg	10/10/25 15:51	PB170055
621-64-7	n-Nitroso-di-n-propylamine	60.4	U	1	60.4	100	ug/Kg	10/10/25 15:51	PB170055
67-72-1	Hexachloroethane	22.4	U	1	22.4	220	ug/Kg	10/10/25 15:51	PB170055
98-95-3	Nitrobenzene	23.3	U	1	23.3	220	ug/Kg	10/10/25 15:51	PB170055
78-59-1	Isophorone	41.8	U	1	41.8	220	ug/Kg	10/10/25 15:51	PB170055
88-75-5	2-Nitrophenol	74.2	U	1	74.2	220	ug/Kg	10/10/25 15:51	PB170055
105-67-9	2,4-Dimethylphenol	82.6	U	1	82.6	220	ug/Kg	10/10/25 15:51	PB170055
111-91-1	bis(2-Chloroethoxy)methane	39.3	U	1	39.3	220	ug/Kg	10/10/25 15:51	PB170055
120-83-2	2,4-Dichlorophenol	36.1	U	1	36.1	220	ug/Kg	10/10/25 15:51	PB170055
91-20-3	Naphthalene	28.9	U	1	28.9	220	ug/Kg	10/10/25 15:51	PB170055
106-47-8	4-Chloroaniline	45.1	U	1	45.1	220	ug/Kg	10/10/25 15:51	PB170055
87-68-3	Hexachlorobutadiene	32.2	U	1	32.2	220	ug/Kg	10/10/25 15:51	PB170055
105-60-2	Caprolactam	66.4	U	1	66.4	420	ug/Kg	10/10/25 15:51	PB170055
59-50-7	4-Chloro-3-methylphenol	36.6	U	1	36.6	220	ug/Kg	10/10/25 15:51	PB170055
91-57-6	2-Methylnaphthalene	32.6	U	1	32.6	220	ug/Kg	10/10/25 15:51	PB170055
77-47-4	Hexachlorocyclopentadiene	150	U	1	150	420	ug/Kg	10/10/25 15:51	PB170055
88-06-2	2,4,6-Trichlorophenol	25.2	U	1	25.2	220	ug/Kg	10/10/25 15:51	PB170055
95-95-4	2,4,5-Trichlorophenol	37.1	U	1	37.1	220	ug/Kg	10/10/25 15:51	PB170055
92-52-4	1,1-Biphenyl	27.8	U	1	27.8	220	ug/Kg	10/10/25 15:51	PB170055
91-58-7	2-Chloronaphthalene	28.7	U	1	28.7	220	ug/Kg	10/10/25 15:51	PB170055
88-74-4	2-Nitroaniline	61.3	U	1	61.3	220	ug/Kg	10/10/25 15:51	PB170055
131-11-3	Dimethylphthalate	34.5	U	1	34.5	220	ug/Kg	10/10/25 15:51	PB170055
208-96-8	Acenaphthylene	36.8	U	1	36.8	220	ug/Kg	10/10/25 15:51	PB170055
606-20-2	2,6-Dinitrotoluene	42.8	U	1	42.8	220	ug/Kg	10/10/25 15:51	PB170055
99-09-2	3-Nitroaniline	58.6	U	1	58.6	220	ug/Kg	10/10/25 15:51	PB170055
83-32-9	Acenaphthene	27.2	U	1	27.2	220	ug/Kg	10/10/25 15:51	PB170055
51-28-5	2,4-Dinitrophenol	290	U	1	290	420	ug/Kg	10/10/25 15:51	PB170055
100-02-7	4-Nitrophenol	140	U	1	140	420	ug/Kg	10/10/25 15:51	PB170055
132-64-9	Dibenzofuran	28.9	U	1	28.9	220	ug/Kg	10/10/25 15:51	PB170055
121-14-2	2,4-Dinitrotoluene	63.9	U	1	63.9	220	ug/Kg	10/10/25 15:51	PB170055
84-66-2	Diethylphthalate	36.1	U	1	36.1	220	ug/Kg	10/10/25 15:51	PB170055
7005-72-3	4-Chlorophenyl-phenylether	34.0	U	1	34.0	220	ug/Kg	10/10/25 15:51	PB170055
86-73-7	Fluorene	32.2	U	1	32.2	220	ug/Kg	10/10/25 15:51	PB170055
100-01-6	4-Nitroaniline	81.8	U	1	81.8	220	ug/Kg	10/10/25 15:51	PB170055
534-52-1	4,6-Dinitro-2-methylphenol	130	U	1	130	420	ug/Kg	10/10/25 15:51	PB170055

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	10/08/25
Project:	RFP 918		Date Received:	10/09/25
Client Sample ID:	P001-DS-01		SDG No.:	Q3321
Lab Sample ID:	Q3321-01		Matrix:	SOIL
Analytical Method:	8270E	Level : LOW	% Solid:	78.4
Sample Wt/Vol:	30.02 g	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date: 10/10/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	41.9	U	1	41.9	220	ug/Kg	10/10/25 15:51	PB170055
101-55-3	4-Bromophenyl-phenylether	35.4	U	1	35.4	220	ug/Kg	10/10/25 15:51	PB170055
118-74-1	Hexachlorobenzene	32.2	U	1	32.2	220	ug/Kg	10/10/25 15:51	PB170055
1912-24-9	Atrazine	43.3	U	1	43.3	220	ug/Kg	10/10/25 15:51	PB170055
87-86-5	Pentachlorophenol	65.4	U	1	65.4	420	ug/Kg	10/10/25 15:51	PB170055
85-01-8	Phenanthrene	710		1	26.6	220	ug/Kg	10/10/25 15:51	PB170055
120-12-7	Anthracene	180	J	1	42.4	220	ug/Kg	10/10/25 15:51	PB170055
86-74-8	Carbazole	93.8	J	1	39.8	220	ug/Kg	10/10/25 15:51	PB170055
84-74-2	Di-n-butylphthalate	61.1	U	1	61.1	220	ug/Kg	10/10/25 15:51	PB170055
206-44-0	Fluoranthene	1500		1	38.2	220	ug/Kg	10/10/25 15:51	PB170055
129-00-0	Pyrene	970		1	45.9	220	ug/Kg	10/10/25 15:51	PB170055
85-68-7	Butylbenzylphthalate	91.0	U	1	91.0	220	ug/Kg	10/10/25 15:51	PB170055
91-94-1	3,3-Dichlorobenzidine	46.8	U	1	46.8	420	ug/Kg	10/10/25 15:51	PB170055
56-55-3	Benzo(a)anthracene	860		1	29.3	220	ug/Kg	10/10/25 15:51	PB170055
218-01-9	Chrysene	770		1	25.4	220	ug/Kg	10/10/25 15:51	PB170055
117-81-7	Bis(2-ethylhexyl)phthalate	530		1	75.5	220	ug/Kg	10/10/25 15:51	PB170055
117-84-0	Di-n-octyl phthalate	110	U	1	110	420	ug/Kg	10/10/25 15:51	PB170055
205-99-2	Benzo(b)fluoranthene	1300		1	24.2	220	ug/Kg	10/10/25 15:51	PB170055
207-08-9	Benzo(k)fluoranthene	490		1	28.6	220	ug/Kg	10/10/25 15:51	PB170055
50-32-8	Benzo(a)pyrene	900		1	37.6	220	ug/Kg	10/10/25 15:51	PB170055
193-39-5	Indeno(1,2,3-cd)pyrene	430		1	37.1	220	ug/Kg	10/10/25 15:51	PB170055
53-70-3	Dibenzo(a,h)anthracene	120	J	1	34.9	220	ug/Kg	10/10/25 15:51	PB170055
191-24-2	Benzo(g,h,i)perylene	490		1	32.8	220	ug/Kg	10/10/25 15:51	PB170055
95-94-3	1,2,4,5-Tetrachlorobenzene	32.6	U	1	32.6	220	ug/Kg	10/10/25 15:51	PB170055
123-91-1	1,4-Dioxane	57.6	U	1	57.6	220	ug/Kg	10/10/25 15:51	PB170055
58-90-2	2,3,4,6-Tetrachlorophenol	34.9	U	1	34.9	220	ug/Kg	10/10/25 15:51	PB170055

SURROGATES

367-12-4	2-Fluorophenol	74.7			18 - 112	50%	SPK: 150
13127-88-3	Phenol-d6	71.7			15 - 107	48%	SPK: 150
4165-60-0	Nitrobenzene-d5	51.7			18 - 107	52%	SPK: 100
321-60-8	2-Fluorobiphenyl	43.9			20 - 109	44%	SPK: 100
118-79-6	2,4,6-Tribromophenol	61.7			10 - 116	41%	SPK: 150
1718-51-0	Terphenyl-d14	30.6			10 - 105	31%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	108000
1146-65-2	Naphthalene-d8	404000
15067-26-2	Acenaphthene-d10	208000
1517-22-2	Phenanthrene-d10	322000
1719-03-5	Chrysene-d12	292000
1520-96-3	Perylene-d12	281000

TENTATIVE IDENTIFIED COMPOUNDS

000106-26-3	Neral	94.3	J		8.42	ug/Kg
000141-27-5	2,6-Octadienal, 3,7-dimethyl-, (E)	160	J		8.59	ug/Kg

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	10/08/25
Project:	RFP 918	Date Received:	10/09/25
Client Sample ID:	P001-DS-01	SDG No.:	Q3321
Lab Sample ID:	Q3321-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	78.4
Sample Wt/Vol:	30.02 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541		
	Level : LOW		
	Final Vol: 1000 uL		
	Prep Date: 10/10/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
000119-61-9	Benzophenone	240	J			10.6	ug/Kg		
000057-10-3	n-Hexadecanoic acid	750	J			11.9	ug/Kg		
000057-11-4	Octadecanoic acid	210	J			12.7	ug/Kg		
000192-97-2	Benzo[e]pyrene	490	J			15.4	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.: Q3321

Client: Weston Solutions, Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB170055BL	PB170055BL	2-Fluorophenol	150	130	87		18	112
		Phenol-d6	150	127	84		15	107
		Nitrobenzene-d5	100	94.6	95		18	107
		2-Fluorobiphenyl	100	84.2	84		20	109
		2,4,6-Tribromophenol	150	152	101		10	116
		Terphenyl-d14	100	88.1	88		10	105
PB170055BS	PB170055BS	2-Fluorophenol	150	117	78		18	112
		Phenol-d6	150	116	77		15	107
		Nitrobenzene-d5	100	86.6	87		18	107
		2-Fluorobiphenyl	100	77.2	77		20	109
		2,4,6-Tribromophenol	150	127	85		10	116
		Terphenyl-d14	100	93.4	93		10	105
Q3310-01MS	SS-01-0-1MS	2-Fluorophenol	150	84.5	56		18	112
		Phenol-d6	150	84.2	56		15	107
		Nitrobenzene-d5	100	59.4	59		18	107
		2-Fluorobiphenyl	100	50.0	50		20	109
		2,4,6-Tribromophenol	150	71.0	47		10	116
		Terphenyl-d14	100	37.8	38		10	105
Q3310-01MSD	SS-01-0-1MSD	2-Fluorophenol	150	81.9	55		18	112
		Phenol-d6	150	80.9	54		15	107
		Nitrobenzene-d5	100	57.4	57		18	107
		2-Fluorobiphenyl	100	49.4	49		20	109
		2,4,6-Tribromophenol	150	66.1	44		10	116
		Terphenyl-d14	100	35.9	36		10	105
Q3321-01	P001-DS-01	2-Fluorophenol	150	74.7	50		18	112
		Phenol-d6	150	71.7	48		15	107
		Nitrobenzene-d5	100	51.7	52		18	107
		2-Fluorobiphenyl	100	43.9	44		20	109
		2,4,6-Tribromophenol	150	61.7	41		10	116
		Terphenyl-d14	100	30.6	31		10	105

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3321

Analytical Method: SW8270E

Client: Weston Solutions, Inc.

DataFile: BF143928.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: Q3310-01MS		Client Sample ID: SS-01-0-1MS									
Benzaldehyde	2500	0	1600	ug/Kg	64				10	171	
Phenol	2500	0	2500	ug/Kg	100				51	122	
bis(2-Chloroethyl)ether	2500	0	2400	ug/Kg	96				54	125	
2-Chlorophenol	2500	0	2400	ug/Kg	96				51	121	
2-Methylphenol	2500	0	2400	ug/Kg	96				47	125	
2,2-oxybis(1-Chloropropane)	2500	0	2400	ug/Kg	96				46	119	
Acetophenone	2500	0	2600	ug/Kg	104				55	128	
3+4-Methylphenols	2500	0	2300	ug/Kg	92				49	125	
N-Nitroso-di-n-propylamine	2500	0	2300	ug/Kg	92				59	119	
Hexachloroethane	2500	0	2300	ug/Kg	92				51	116	
Nitrobenzene	2500	0	2600	ug/Kg	104				47	124	
Isophorone	2500	0	2400	ug/Kg	96				49	127	
2-Nitrophenol	2500	0	2700	ug/Kg	108				43	131	
2,4-Dimethylphenol	2500	0	2700	ug/Kg	108				63	151	
bis(2-Chloroethoxy)methane	2500	0	2500	ug/Kg	100				51	119	
2,4-Dichlorophenol	2500	0	2400	ug/Kg	96				50	122	
Naphthalene	2500	180	2500	ug/Kg	93				51	121	
4-Chloroaniline	2500	0	870	ug/Kg	35				10	100	
Hexachlorobutadiene	2500	0	2300	ug/Kg	92				44	126	
Caprolactam	2500	0	2500	ug/Kg	100				51	134	
4-Chloro-3-methylphenol	2500	0	2300	ug/Kg	92				57	132	
2-Methylnaphthalene	2500	0	2200	ug/Kg	88				59	123	
Hexachlorocyclopentadiene	5100	0	2700	ug/Kg	53				10	175	
2,4,6-Trichlorophenol	2500	0	2500	ug/Kg	100				33	141	
2,4,5-Trichlorophenol	2500	0	2400	ug/Kg	96				38	135	
1,1-Biphenyl	2500	0	2800	ug/Kg	112				55	131	
2-Chloronaphthalene	2500	0	2500	ug/Kg	100				48	124	
2-Nitroaniline	2500	0	2800	ug/Kg	112				47	134	
Dimethylphthalate	2500	0	2600	ug/Kg	104				54	120	
Acenaphthylene	2500	0	2800	ug/Kg	112				57	125	
2,6-Dinitrotoluene	2500	0	2900	ug/Kg	116				48	127	
3-Nitroaniline	2500	0	1800	ug/Kg	72				10	112	
Acenaphthene	2500	220	2400	ug/Kg	87				70	121	
2,4-Dinitrophenol	5100	0	1100	ug/Kg	22				10	155	
4-Nitrophenol	5100	0	4500	ug/Kg	88				10	175	
Dibenzofuran	2500	150	2500	ug/Kg	94				52	114	
2,4-Dinitrotoluene	2500	0	2700	ug/Kg	108				41	140	
Diethylphthalate	2500	0	2500	ug/Kg	100				51	119	
4-Chlorophenyl-phenylether	2500	0	2300	ug/Kg	92				48	122	
Fluorene	2500	160	2400	ug/Kg	90				53	118	
4-Nitroaniline	2500	0	2100	ug/Kg	84				29	140	
4,6-Dinitro-2-methylphenol	2500	0	700	ug/Kg	28				10	160	
N-Nitrosodiphenylamine	2500	0	2700	ug/Kg	108				73	118	
4-Bromophenyl-phenylether	2500	0	2600	ug/Kg	104				65	121	
Hexachlorobenzene	2500	0	2400	ug/Kg	96				67	118	
Atrazine	2500	0	2700	ug/Kg	108				45	175	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3321

Analytical Method: SW8270E

Client: Weston Solutions, Inc.

DataFile: BF143928.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Pentachlorophenol	5100	0	4900	ug/Kg	96				13	153	
Phenanthrene	2500	1800	3800	ug/Kg	80				52	128	
Anthracene	2500	470	2800	ug/Kg	93				62	124	
Carbazole	2500	310	2800	ug/Kg	100				59	119	
Di-n-butylphthalate	2500	0	2700	ug/Kg	108				55	125	
Fluoranthene	2500	2200	4400	ug/Kg	88				44	125	
Pyrene	2500	1300	3100	ug/Kg	72				37	122	
Butylbenzylphthalate	2500	0	2700	ug/Kg	108				44	135	
3,3-Dichlorobenzidine	2500	0	2400	ug/Kg	96				15	112	
Benzo(a)anthracene	2500	1000	3500	ug/Kg	100				53	119	
Chrysene	2500	850	3300	ug/Kg	98				57	121	
bis(2-Ethylhexyl)phthalate	2500	0	3000	ug/Kg	120				42	169	
Di-n-octyl phthalate	2500	0	3300	ug/Kg	132				51	156	
Benzo(b)fluoranthene	2500	1200	4000	ug/Kg	112				52	117	
Benzo(k)fluoranthene	2500	380	2800	ug/Kg	97				57	134	
Benzo(a)pyrene	2500	800	3400	ug/Kg	104				70	142	
Indeno(1,2,3-cd)pyrene	2500	310	2200	ug/Kg	76				40	129	
Dibenz(a,h)anthracene	2500	0	2000	ug/Kg	80				43	123	
Benzo(g,h,i)perylene	2500	360	2200	ug/Kg	74				24	125	
1,2,4,5-Tetrachlorobenzene	2500	0	2900	ug/Kg	116				52	134	
1,4-Dioxane	2500	0	2200	ug/Kg	88				46	112	
2,3,4,6-Tetrachlorophenol	2500	0	2400	ug/Kg	96				24	146	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3321

Analytical Method: SW8270E

Client: Weston Solutions, Inc.

DataFile: BF143929.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	Q3310-01MSD	Client Sample ID:	SS-01-0-1MSD								
Benzaldehyde	2500	0	1500	ug/Kg	60		6		10	171	20
Phenol	2500	0	2400	ug/Kg	96		4		51	122	20
bis(2-Chloroethyl)ether	2500	0	2300	ug/Kg	92		4		54	125	20
2-Chlorophenol	2500	0	2300	ug/Kg	92		4		51	121	20
2-Methylphenol	2500	0	2300	ug/Kg	92		4		47	125	20
2,2-oxybis(1-Chloropropane)	2500	0	2400	ug/Kg	96		0		46	119	20
Acetophenone	2500	0	2500	ug/Kg	100		4		55	128	20
3+4-Methylphenols	2500	0	2200	ug/Kg	88		4		49	125	20
N-Nitroso-di-n-propylamine	2500	0	2200	ug/Kg	88		4		59	119	20
Hexachloroethane	2500	0	2200	ug/Kg	88		4		51	116	20
Nitrobenzene	2500	0	2500	ug/Kg	100		4		47	124	20
Isophorone	2500	0	2400	ug/Kg	96		0		49	127	20
2-Nitrophenol	2500	0	2600	ug/Kg	104		4		43	131	20
2,4-Dimethylphenol	2500	0	2600	ug/Kg	104		4		63	151	20
bis(2-Chloroethoxy)methane	2500	0	2300	ug/Kg	92		8		51	119	20
2,4-Dichlorophenol	2500	0	2300	ug/Kg	92		4		50	122	20
Naphthalene	2500	180	2400	ug/Kg	89		4		51	121	20
4-Chloroaniline	2500	0	900	ug/Kg	36		3		10	100	20
Hexachlorobutadiene	2500	0	2300	ug/Kg	92		0		44	126	20
Caprolactam	2500	0	2300	ug/Kg	92		8		51	134	20
4-Chloro-3-methylphenol	2500	0	2200	ug/Kg	88		4		57	132	20
2-Methylnaphthalene	2500	0	2100	ug/Kg	84		5		59	123	20
Hexachlorocyclopentadiene	5100	0	2200	ug/Kg	43		21	*	10	175	20
2,4,6-Trichlorophenol	2500	0	2400	ug/Kg	96		4		33	141	20
2,4,5-Trichlorophenol	2500	0	2300	ug/Kg	92		4		38	135	20
1,1-Biphenyl	2500	0	2800	ug/Kg	112		0		55	131	20
2-Chloronaphthalene	2500	0	2400	ug/Kg	96		4		48	124	20
2-Nitroaniline	2500	0	2800	ug/Kg	112		0		47	134	20
Dimethylphthalate	2500	0	2500	ug/Kg	100		4		54	120	20
Acenaphthylene	2500	0	2700	ug/Kg	108		4		57	125	20
2,6-Dinitrotoluene	2500	0	2800	ug/Kg	112		4		48	127	20
3-Nitroaniline	2500	0	1900	ug/Kg	76		5		10	112	20
Acenaphthene	2500	220	2300	ug/Kg	83		5		70	121	20
2,4-Dinitrophenol	5100	0	720	ug/Kg	14		44	*	10	155	20
4-Nitrophenol	5100	0	4200	ug/Kg	82		7		10	175	20
Dibenzofuran	2500	150	2400	ug/Kg	90		4		52	114	20
2,4-Dinitrotoluene	2500	0	2600	ug/Kg	104		4		41	140	20
Diethylphthalate	2500	0	2400	ug/Kg	96		4		51	119	20
4-Chlorophenyl-phenylether	2500	0	2300	ug/Kg	92		0		48	122	20
Fluorene	2500	160	2300	ug/Kg	86		5		53	118	20
4-Nitroaniline	2500	0	2000	ug/Kg	80		5		29	140	20
4,6-Dinitro-2-methylphenol	2500	0	420	ug/Kg	17		49	*	10	160	20
N-Nitrosodiphenylamine	2500	0	2800	ug/Kg	112		4		73	118	20
4-Bromophenyl-phenylether	2500	0	2600	ug/Kg	104		0		65	121	20
Hexachlorobenzene	2500	0	2400	ug/Kg	96		0		67	118	20
Atrazine	2500	0	2600	ug/Kg	104		4		45	175	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3321

Analytical Method: SW8270E

Client: Weston Solutions, Inc.

DataFile: BF143929.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Pentachlorophenol	5100	0	4700	ug/Kg	92		4		13	153	20
Phenanthrene	2500	1800	3900	ug/Kg	84		5		52	128	20
Anthracene	2500	470	2800	ug/Kg	93		0		62	124	20
Carbazole	2500	310	2800	ug/Kg	100		0		59	119	20
Di-n-butylphthalate	2500	0	2700	ug/Kg	108		0		55	125	20
Fluoranthene	2500	2200	4400	ug/Kg	88		0		44	125	20
Pyrene	2500	1300	3000	ug/Kg	68		6		37	122	20
Butylbenzylphthalate	2500	0	2600	ug/Kg	104		4		44	135	20
3,3-Dichlorobenzidine	2500	0	2400	ug/Kg	96		0		15	112	20
Benzo(a)anthracene	2500	1000	3400	ug/Kg	96		4		53	119	20
Chrysene	2500	850	3200	ug/Kg	94		4		57	121	20
bis(2-Ethylhexyl)phthalate	2500	0	2900	ug/Kg	116		3		42	169	20
Di-n-octyl phthalate	2500	0	3200	ug/Kg	128		3		51	156	20
Benzo(b)fluoranthene	2500	1200	3500	ug/Kg	92		20		52	117	20
Benzo(k)fluoranthene	2500	380	2700	ug/Kg	93		4		57	134	20
Benzo(a)pyrene	2500	800	3300	ug/Kg	100		4		70	142	20
Indeno(1,2,3-cd)pyrene	2500	310	2200	ug/Kg	76		0		40	129	20
Dibenz(a,h)anthracene	2500	0	1900	ug/Kg	76		5		43	123	20
Benzo(g,h,i)perylene	2500	360	2200	ug/Kg	74		0		24	125	20
1,2,4,5-Tetrachlorobenzene	2500	0	2800	ug/Kg	112		4		52	134	20
1,4-Dioxane	2500	0	2200	ug/Kg	88		0		46	112	20
2,3,4,6-Tetrachlorophenol	2500	0	2200	ug/Kg	88		9		24	146	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3321

Analytical Method: 8270E

Client: Weston Solutions, Inc.

DataFile: BF143949.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB170055BS	Benzaldehyde	1700	950	ug/Kg	56				10	133	
	Phenol	1700	1500	ug/Kg	88				62	112	
	bis(2-Chloroethyl)ether	1700	1500	ug/Kg	88				60	101	
	2-Chlorophenol	1700	1500	ug/Kg	88				65	112	
	2-Methylphenol	1700	1500	ug/Kg	88				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1500	ug/Kg	88				51	100	
	Acetophenone	1700	1500	ug/Kg	88				66	98	
	3+4-Methylphenols	1700	1500	ug/Kg	88				58	111	
	N-Nitroso-di-n-propylamine	1700	1400	ug/Kg	82				63	95	
	Hexachloroethane	1700	1400	ug/Kg	82				72	108	
	Nitrobenzene	1700	1500	ug/Kg	88				57	101	
	Isophorone	1700	1500	ug/Kg	88				59	99	
	2-Nitrophenol	1700	1700	ug/Kg	100				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	1500	ug/Kg	88				62	107	
	Naphthalene	1700	1400	ug/Kg	82				62	100	
	4-Chloroaniline	1700	710	ug/Kg	42				16	100	
	Hexachlorobutadiene	1700	1400	ug/Kg	82				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	3600	ug/Kg	109				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	1600	ug/Kg	94				66	101	
	Dimethylphthalate	1700	1500	ug/Kg	88				61	99	
	Acenaphthylene	1700	1600	ug/Kg	94				63	101	
	2,6-Dinitrotoluene	1700	1700	ug/Kg	100				61	104	
	3-Nitroaniline	1700	1100	ug/Kg	65				28	100	
	Acenaphthene	1700	1500	ug/Kg	88				57	104	
	2,4-Dinitrophenol	3300	2900	ug/Kg	88				37	128	
	4-Nitrophenol	3300	2900	ug/Kg	88				48	119	
	Dibenzofuran	1700	1400	ug/Kg	82				63	99	
	2,4-Dinitrotoluene	1700	1700	ug/Kg	100				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	1500	ug/Kg	88				64	103	
	4,6-Dinitro-2-methylphenol	1700	1800	ug/Kg	106				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.: Q3321

Analytical Method: 8270E

Client: Weston Solutions, Inc.

DataFile: BF143949.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Limits		RPD
							Qual	Qual	Low	High	
PB170055BS	Hexachlorobenzene	1700	1500	ug/Kg	88				64	98	
	Atrazine	1700	1600	ug/Kg	94				47	152	
	Pentachlorophenol	3300	2700	ug/Kg	82				67	105	
	Phenanthrene	1700	1500	ug/Kg	88				59	103	
	Anthracene	1700	1500	ug/Kg	88				61	105	
	Carbazole	1700	1500	ug/Kg	88				61	99	
	Di-n-butylphthalate	1700	1600	ug/Kg	94				58	104	
	Fluoranthene	1700	1500	ug/Kg	88				57	107	
	Pyrene	1700	1500	ug/Kg	88				59	103	
	Butylbenzylphthalate	1700	1700	ug/Kg	100				55	103	
	3,3-Dichlorobenzidine	1700	850	ug/Kg	50				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	1700	ug/Kg	100				54	135	
	Di-n-octyl phthalate	1700	1500	ug/Kg	88				52	137	
	Benzo(b)fluoranthene	1700	1600	ug/Kg	94				62	109	
	Benzo(k)fluoranthene	1700	1500	ug/Kg	88				62	109	
	Benzo(a)pyrene	1700	1600	ug/Kg	94				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1700	ug/Kg	100				63	101	
	Dibenz(a,h)anthracene	1700	1700	ug/Kg	100				61	112	
	Benzo(g,h,i)perylene	1700	1700	ug/Kg	100				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1500	ug/Kg	88				53	101	
	1,4-Dioxane	1700	1300	ug/Kg	76				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1600	ug/Kg	94				59	108	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID

PB170055BL

Lab Name: Alliance

Contract: ROYF02

Lab Code: ACE

SDG NO.: Q3321

Lab File ID: BF143921.D

Lab Sample ID: PB170055BL

Instrument ID: BNA_F

Date Extracted: 10/10/2025

Matrix: (soil/water) SOIL

Date Analyzed: 10/10/2025

Level: (low/med) LOW

Time Analyzed: 13:24

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
SS-01-0-1MS	Q3310-01MS	BF143928.D	10/10/2025
P001-DS-01	Q3321-01	BF143926.D	10/10/2025
SS-01-0-1MSD	Q3310-01MSD	BF143929.D	10/10/2025
PB170055BS	PB170055BS	BF143949.D	10/14/2025

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: ROYF02
SDG NO.: Q3321
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	100
70	Less than 2.0% of mass 69	0.1 (0.4) 1
197	Less than 2.0% of mass 198	0.3
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
365	Greater than 1% of mass 198	4.3
441	Present, but less than mass 443	78.8
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: BF143919.D
Instrument ID: BNA_F

Contract: ROYF02
SDG NO.: Q3321
DFTPP Injection Date: 10/10/2025
DFTPP Injection Time: 11:33

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.6) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (0.7) 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	6.7
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	86.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.2 (18.2) 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	BF143920.D	10/10/2025	12:32
PB170055BL	PB170055BL	BF143921.D	10/10/2025	13:24
P001-DS-01	Q3321-01	BF143926.D	10/10/2025	15:51
SS-01-0-1MS	Q3310-01MS	BF143928.D	10/10/2025	16:49
SS-01-0-1MSD	Q3310-01MSD	BF143929.D	10/10/2025	17:18

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BF143945.D
Instrument ID: BNA_F

Contract: ROYF02
SDG NO.: Q3321
DFTPP Injection Date: 10/14/2025
DFTPP Injection Time: 13:28

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	100
70	Less than 2.0% of mass 69	0.2 (0.7) 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	6.9
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	86.3
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.1 (19.1) 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	BF143946.D	10/14/2025	13:57
PB170055BS	PB170055BS	BF143949.D	10/14/2025	16:13

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3321

Client ID : SSTDCCC040

Date Analyzed: 10/10/2025

Lab File ID: BF143920.D

Time Analyzed: 12:32

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	114205	6.881	454258	8.17	244959	9.92
UPPER LIMIT	228410	7.381	908516	8.669	489918	10.422
LOWER LIMIT	57102.5	6.381	227129	7.669	122480	9.422
EPA SAMPLE NO.						
01 PB170055BL	136492	6.88	545950	8.16	298735	9.92
02 SS-01-0-1MS	113164	6.89	420905	8.17	206322	9.93
03 SS-01-0-1MSD	118400	6.88	432037	8.17	206418	9.93
04 P001-DS-01	108001	6.88	403837	8.16	207929	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.: Q3321

Client ID: SSTDCCC040

Date Analyzed: 10/10/2025

Lab File ID: BF143920.D

Time Analyzed: 12:32

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	425799	11.416	235995	14.063	249897	15.539
UPPER LIMIT	851598	11.916	471990	14.563	499794	16.039
LOWER LIMIT	212900	10.916	117998	13.563	124949	15.039
EPA SAMPLE NO.						
01 PB170055BL	543488	11.41	387902	14.06	313224	15.54
02 SS-01-0-1MS	308746	11.42	255306	14.07	243905	15.55
03 SS-01-0-1MSD	294129	11.42	250086	14.07	234027	15.55
04 P001-DS-01	321893	11.41	291502	14.06	280555	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.: Q3321

Client ID : SSTDCCC040

Date Analyzed: 10/14/2025

Lab File ID: BF143946.D

Time Analyzed: 13:57

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	131735	6.881	483664	8.17	238586	9.92
UPPER LIMIT	263470	7.381	967328	8.669	477172	10.422
LOWER LIMIT	65867.5	6.381	241832	7.669	119293	9.422
EPA SAMPLE NO.						
01 PB170055BS	118783	6.88	465023	8.16	256823	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.

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SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3321

Client ID: SSTDCCC040

Date Analyzed: 10/14/2025

Lab File ID: BF143946.D

Time Analyzed: 13:57

Instrument ID: BNA_F

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

01

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	401091	11.416	215371	14.063	223666	15.545
UPPER LIMIT	802182	11.916	430742	14.563	447332	16.045
LOWER LIMIT	200546	10.916	107686	13.563	111833	15.045
EPA SAMPLE NO.						
PB170055BS	433771	11.42	247361	14.06	229733	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:	Weston Solutions, Inc.		Date Collected:	
Project:	RFP 918		Date Received:	
Client Sample ID:	PB170055BL		SDG No.:	Q3321
Lab Sample ID:	PB170055BL		Matrix:	SOIL
Analytical Method:	8270E	Level : LOW	% Solid:	100
Sample Wt/Vol:	30.02 g	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date: 10/10/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	160	U	1	160	330	ug/Kg	10/10/25 13:24	PB170055
108-95-2	Phenol	22.1	U	1	22.1	170	ug/Kg	10/10/25 13:24	PB170055
111-44-4	bis(2-Chloroethyl)ether	24.3	U	1	24.3	170	ug/Kg	10/10/25 13:24	PB170055
95-57-8	2-Chlorophenol	24.4	U	1	24.4	170	ug/Kg	10/10/25 13:24	PB170055
95-48-7	2-Methylphenol	29.9	U	1	29.9	170	ug/Kg	10/10/25 13:24	PB170055
108-60-1	2,2-oxybis(1-Chloropropane)	37.5	U	1	37.5	170	ug/Kg	10/10/25 13:24	PB170055
98-86-2	Acetophenone	29.5	U	1	29.5	170	ug/Kg	10/10/25 13:24	PB170055
65794-96-9	3+4-Methylphenols	41.1	U	1	41.1	330	ug/Kg	10/10/25 13:24	PB170055
621-64-7	n-Nitroso-di-n-propylamine	47.4	U	1	47.4	79.9	ug/Kg	10/10/25 13:24	PB170055
67-72-1	Hexachloroethane	17.6	U	1	17.6	170	ug/Kg	10/10/25 13:24	PB170055
98-95-3	Nitrobenzene	18.3	U	1	18.3	170	ug/Kg	10/10/25 13:24	PB170055
78-59-1	Isophorone	32.8	U	1	32.8	170	ug/Kg	10/10/25 13:24	PB170055
88-75-5	2-Nitrophenol	58.2	U	1	58.2	170	ug/Kg	10/10/25 13:24	PB170055
105-67-9	2,4-Dimethylphenol	64.8	U	1	64.8	170	ug/Kg	10/10/25 13:24	PB170055
111-91-1	bis(2-Chloroethoxy)methane	30.8	U	1	30.8	170	ug/Kg	10/10/25 13:24	PB170055
120-83-2	2,4-Dichlorophenol	28.3	U	1	28.3	170	ug/Kg	10/10/25 13:24	PB170055
91-20-3	Naphthalene	22.7	U	1	22.7	170	ug/Kg	10/10/25 13:24	PB170055
106-47-8	4-Chloroaniline	35.4	U	1	35.4	170	ug/Kg	10/10/25 13:24	PB170055
87-68-3	Hexachlorobutadiene	25.3	U	1	25.3	170	ug/Kg	10/10/25 13:24	PB170055
105-60-2	Caprolactam	52.1	U	1	52.1	330	ug/Kg	10/10/25 13:24	PB170055
59-50-7	4-Chloro-3-methylphenol	28.7	U	1	28.7	170	ug/Kg	10/10/25 13:24	PB170055
91-57-6	2-Methylnaphthalene	25.6	U	1	25.6	170	ug/Kg	10/10/25 13:24	PB170055
77-47-4	Hexachlorocyclopentadiene	120	U	1	120	330	ug/Kg	10/10/25 13:24	PB170055
88-06-2	2,4,6-Trichlorophenol	19.8	U	1	19.8	170	ug/Kg	10/10/25 13:24	PB170055
95-95-4	2,4,5-Trichlorophenol	29.1	U	1	29.1	170	ug/Kg	10/10/25 13:24	PB170055
92-52-4	1,1-Biphenyl	21.8	U	1	21.8	170	ug/Kg	10/10/25 13:24	PB170055
91-58-7	2-Chloronaphthalene	22.5	U	1	22.5	170	ug/Kg	10/10/25 13:24	PB170055
88-74-4	2-Nitroaniline	48.1	U	1	48.1	170	ug/Kg	10/10/25 13:24	PB170055
131-11-3	Dimethylphthalate	27.1	U	1	27.1	170	ug/Kg	10/10/25 13:24	PB170055
208-96-8	Acenaphthylene	28.9	U	1	28.9	170	ug/Kg	10/10/25 13:24	PB170055
606-20-2	2,6-Dinitrotoluene	33.6	U	1	33.6	170	ug/Kg	10/10/25 13:24	PB170055
99-09-2	3-Nitroaniline	46.0	U	1	46.0	170	ug/Kg	10/10/25 13:24	PB170055
83-32-9	Acenaphthene	21.3	U	1	21.3	170	ug/Kg	10/10/25 13:24	PB170055
51-28-5	2,4-Dinitrophenol	230	U	1	230	330	ug/Kg	10/10/25 13:24	PB170055
100-02-7	4-Nitrophenol	110	U	1	110	330	ug/Kg	10/10/25 13:24	PB170055
132-64-9	Dibenzofuran	22.7	U	1	22.7	170	ug/Kg	10/10/25 13:24	PB170055
121-14-2	2,4-Dinitrotoluene	50.1	U	1	50.1	170	ug/Kg	10/10/25 13:24	PB170055
84-66-2	Diethylphthalate	28.3	U	1	28.3	170	ug/Kg	10/10/25 13:24	PB170055
7005-72-3	4-Chlorophenyl-phenylether	26.7	U	1	26.7	170	ug/Kg	10/10/25 13:24	PB170055
86-73-7	Fluorene	25.3	U	1	25.3	170	ug/Kg	10/10/25 13:24	PB170055
100-01-6	4-Nitroaniline	64.2	U	1	64.2	170	ug/Kg	10/10/25 13:24	PB170055
534-52-1	4,6-Dinitro-2-methylphenol	100	U	1	100	330	ug/Kg	10/10/25 13:24	PB170055

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	
Project:	RFP 918		Date Received:	
Client Sample ID:	PB170055BL		SDG No.:	Q3321
Lab Sample ID:	PB170055BL		Matrix:	SOIL
Analytical Method:	8270E	Level : LOW	% Solid:	100
Sample Wt/Vol:	30.02 g	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date: 10/10/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	32.9	U	1	32.9	170	ug/Kg	10/10/25 13:24	PB170055
101-55-3	4-Bromophenyl-phenylether	27.8	U	1	27.8	170	ug/Kg	10/10/25 13:24	PB170055
118-74-1	Hexachlorobenzene	25.3	U	1	25.3	170	ug/Kg	10/10/25 13:24	PB170055
1912-24-9	Atrazine	34.0	U	1	34.0	170	ug/Kg	10/10/25 13:24	PB170055
87-86-5	Pentachlorophenol	51.3	U	1	51.3	330	ug/Kg	10/10/25 13:24	PB170055
85-01-8	Phenanthrene	20.9	U	1	20.9	170	ug/Kg	10/10/25 13:24	PB170055
120-12-7	Anthracene	33.3	U	1	33.3	170	ug/Kg	10/10/25 13:24	PB170055
86-74-8	Carbazole	31.2	U	1	31.2	170	ug/Kg	10/10/25 13:24	PB170055
84-74-2	Di-n-butylphthalate	47.9	U	1	47.9	170	ug/Kg	10/10/25 13:24	PB170055
206-44-0	Fluoranthene	30.0	U	1	30.0	170	ug/Kg	10/10/25 13:24	PB170055
129-00-0	Pyrene	36.0	U	1	36.0	170	ug/Kg	10/10/25 13:24	PB170055
85-68-7	Butylbenzylphthalate	71.4	U	1	71.4	170	ug/Kg	10/10/25 13:24	PB170055
91-94-1	3,3-Dichlorobenzidine	36.7	U	1	36.7	330	ug/Kg	10/10/25 13:24	PB170055
56-55-3	Benzo(a)anthracene	23.0	U	1	23.0	170	ug/Kg	10/10/25 13:24	PB170055
218-01-9	Chrysene	19.9	U	1	19.9	170	ug/Kg	10/10/25 13:24	PB170055
117-81-7	Bis(2-ethylhexyl)phthalate	59.2	U	1	59.2	170	ug/Kg	10/10/25 13:24	PB170055
117-84-0	Di-n-octyl phthalate	86.7	U	1	86.7	330	ug/Kg	10/10/25 13:24	PB170055
205-99-2	Benzo(b)fluoranthene	19.0	U	1	19.0	170	ug/Kg	10/10/25 13:24	PB170055
207-08-9	Benzo(k)fluoranthene	22.4	U	1	22.4	170	ug/Kg	10/10/25 13:24	PB170055
50-32-8	Benzo(a)pyrene	29.5	U	1	29.5	170	ug/Kg	10/10/25 13:24	PB170055
193-39-5	Indeno(1,2,3-cd)pyrene	29.1	U	1	29.1	170	ug/Kg	10/10/25 13:24	PB170055
53-70-3	Dibenzo(a,h)anthracene	27.4	U	1	27.4	170	ug/Kg	10/10/25 13:24	PB170055
191-24-2	Benzo(g,h,i)perylene	25.7	U	1	25.7	170	ug/Kg	10/10/25 13:24	PB170055
95-94-3	1,2,4,5-Tetrachlorobenzene	25.6	U	1	25.6	170	ug/Kg	10/10/25 13:24	PB170055
123-91-1	1,4-Dioxane	45.2	U	1	45.2	170	ug/Kg	10/10/25 13:24	PB170055
58-90-2	2,3,4,6-Tetrachlorophenol	27.4	U	1	27.4	170	ug/Kg	10/10/25 13:24	PB170055

SURROGATES

367-12-4	2-Fluorophenol	130		18 - 112	87%	SPK: 150
13127-88-3	Phenol-d6	127		15 - 107	84%	SPK: 150
4165-60-0	Nitrobenzene-d5	94.6		18 - 107	95%	SPK: 100
321-60-8	2-Fluorobiphenyl	84.2		20 - 109	84%	SPK: 100
118-79-6	2,4,6-Tribromophenol	152		10 - 116	101%	SPK: 150
1718-51-0	Terphenyl-d14	88.1		10 - 105	88%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	136000
1146-65-2	Naphthalene-d8	546000
15067-26-2	Acenaphthene-d10	299000
1517-22-2	Phenanthrene-d10	543000
1719-03-5	Chrysene-d12	388000
1520-96-3	Perylene-d12	313000

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	
Project:	RFP 918		Date Received:	
Client Sample ID:	PB170055BL		SDG No.:	Q3321
Lab Sample ID:	PB170055BL		Matrix:	SOIL
Analytical Method:	8270E	Level : LOW	% Solid:	100
Sample Wt/Vol:	30.02 g	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date: 10/10/25		

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:	Weston Solutions, Inc.		Date Collected:	
Project:	RFP 918		Date Received:	
Client Sample ID:	PB170055BS		SDG No.:	Q3321
Lab Sample ID:	PB170055BS		Matrix:	SOIL
Analytical Method:	8270E	Level : LOW	% Solid:	100
Sample Wt/Vol:	30.01 g	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date: 10/10/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	950		1	160	330	ug/Kg	10/14/25 16:13	PB170055
108-95-2	Phenol	1500		1	22.1	170	ug/Kg	10/14/25 16:13	PB170055
111-44-4	bis(2-Chloroethyl)ether	1500		1	24.3	170	ug/Kg	10/14/25 16:13	PB170055
95-57-8	2-Chlorophenol	1500		1	24.4	170	ug/Kg	10/14/25 16:13	PB170055
95-48-7	2-Methylphenol	1500		1	29.9	170	ug/Kg	10/14/25 16:13	PB170055
108-60-1	2,2-oxybis(1-Chloropropane)	1500		1	37.5	170	ug/Kg	10/14/25 16:13	PB170055
98-86-2	Acetophenone	1500		1	29.5	170	ug/Kg	10/14/25 16:13	PB170055
65794-96-9	3+4-Methylphenols	1500		1	41.1	330	ug/Kg	10/14/25 16:13	PB170055
621-64-7	n-Nitroso-di-n-propylamine	1400		1	47.4	80.0	ug/Kg	10/14/25 16:13	PB170055
67-72-1	Hexachloroethane	1400		1	17.6	170	ug/Kg	10/14/25 16:13	PB170055
98-95-3	Nitrobenzene	1500		1	18.3	170	ug/Kg	10/14/25 16:13	PB170055
78-59-1	Isophorone	1500		1	32.8	170	ug/Kg	10/14/25 16:13	PB170055
88-75-5	2-Nitrophenol	1700		1	58.2	170	ug/Kg	10/14/25 16:13	PB170055
105-67-9	2,4-Dimethylphenol	1600		1	64.8	170	ug/Kg	10/14/25 16:13	PB170055
111-91-1	bis(2-Chloroethoxy)methane	1500		1	30.8	170	ug/Kg	10/14/25 16:13	PB170055
120-83-2	2,4-Dichlorophenol	1500		1	28.3	170	ug/Kg	10/14/25 16:13	PB170055
91-20-3	Naphthalene	1400		1	22.7	170	ug/Kg	10/14/25 16:13	PB170055
106-47-8	4-Chloroaniline	710		1	35.4	170	ug/Kg	10/14/25 16:13	PB170055
87-68-3	Hexachlorobutadiene	1400		1	25.3	170	ug/Kg	10/14/25 16:13	PB170055
105-60-2	Caprolactam	1600		1	52.1	330	ug/Kg	10/14/25 16:13	PB170055
59-50-7	4-Chloro-3-methylphenol	1500		1	28.7	170	ug/Kg	10/14/25 16:13	PB170055
91-57-6	2-Methylnaphthalene	1300		1	25.6	170	ug/Kg	10/14/25 16:13	PB170055
77-47-4	Hexachlorocyclopentadiene	3600	E	1	120	330	ug/Kg	10/14/25 16:13	PB170055
88-06-2	2,4,6-Trichlorophenol	1400		1	19.8	170	ug/Kg	10/14/25 16:13	PB170055
95-95-4	2,4,5-Trichlorophenol	1500		1	29.1	170	ug/Kg	10/14/25 16:13	PB170055
92-52-4	1,1-Biphenyl	1500		1	21.8	170	ug/Kg	10/14/25 16:13	PB170055
91-58-7	2-Chloronaphthalene	1400		1	22.5	170	ug/Kg	10/14/25 16:13	PB170055
88-74-4	2-Nitroaniline	1600		1	48.1	170	ug/Kg	10/14/25 16:13	PB170055
131-11-3	Dimethylphthalate	1500		1	27.1	170	ug/Kg	10/14/25 16:13	PB170055
208-96-8	Acenaphthylene	1600		1	28.9	170	ug/Kg	10/14/25 16:13	PB170055
606-20-2	2,6-Dinitrotoluene	1700		1	33.6	170	ug/Kg	10/14/25 16:13	PB170055
99-09-2	3-Nitroaniline	1100		1	46.0	170	ug/Kg	10/14/25 16:13	PB170055
83-32-9	Acenaphthene	1500		1	21.3	170	ug/Kg	10/14/25 16:13	PB170055
51-28-5	2,4-Dinitrophenol	2900	E	1	230	330	ug/Kg	10/14/25 16:13	PB170055
100-02-7	4-Nitrophenol	2900	E	1	110	330	ug/Kg	10/14/25 16:13	PB170055
132-64-9	Dibenzofuran	1400		1	22.7	170	ug/Kg	10/14/25 16:13	PB170055
121-14-2	2,4-Dinitrotoluene	1700		1	50.1	170	ug/Kg	10/14/25 16:13	PB170055
84-66-2	Diethylphthalate	1500		1	28.3	170	ug/Kg	10/14/25 16:13	PB170055
7005-72-3	4-Chlorophenyl-phenylether	1400		1	26.7	170	ug/Kg	10/14/25 16:13	PB170055
86-73-7	Fluorene	1400		1	25.3	170	ug/Kg	10/14/25 16:13	PB170055
100-01-6	4-Nitroaniline	1500		1	64.2	170	ug/Kg	10/14/25 16:13	PB170055
534-52-1	4,6-Dinitro-2-methylphenol	1800		1	100	330	ug/Kg	10/14/25 16:13	PB170055

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	
Project:	RFP 918		Date Received:	
Client Sample ID:	PB170055BS		SDG No.:	Q3321
Lab Sample ID:	PB170055BS		Matrix:	SOIL
Analytical Method:	8270E	Level : LOW	% Solid:	100
Sample Wt/Vol:	30.01 g	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date: 10/10/25		

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	10/14/25 16:13	PB170055
101-55-3	4-Bromophenyl-phenylether	1400		1	27.8	170	ug/Kg	10/14/25 16:13	PB170055
118-74-1	Hexachlorobenzene	1500		1	25.3	170	ug/Kg	10/14/25 16:13	PB170055
1912-24-9	Atrazine	1600		1	34.0	170	ug/Kg	10/14/25 16:13	PB170055
87-86-5	Pentachlorophenol	2700	E	1	51.3	330	ug/Kg	10/14/25 16:13	PB170055
85-01-8	Phenanthrene	1500		1	20.9	170	ug/Kg	10/14/25 16:13	PB170055
120-12-7	Anthracene	1500		1	33.3	170	ug/Kg	10/14/25 16:13	PB170055
86-74-8	Carbazole	1500		1	31.2	170	ug/Kg	10/14/25 16:13	PB170055
84-74-2	Di-n-butylphthalate	1600		1	47.9	170	ug/Kg	10/14/25 16:13	PB170055
206-44-0	Fluoranthene	1500		1	30.0	170	ug/Kg	10/14/25 16:13	PB170055
129-00-0	Pyrene	1500		1	36.0	170	ug/Kg	10/14/25 16:13	PB170055
85-68-7	Butylbenzylphthalate	1700		1	71.4	170	ug/Kg	10/14/25 16:13	PB170055
91-94-1	3,3-Dichlorobenzidine	850		1	36.7	330	ug/Kg	10/14/25 16:13	PB170055
56-55-3	Benzo(a)anthracene	1500		1	23.0	170	ug/Kg	10/14/25 16:13	PB170055
218-01-9	Chrysene	1400		1	19.9	170	ug/Kg	10/14/25 16:13	PB170055
117-81-7	Bis(2-ethylhexyl)phthalate	1700		1	59.2	170	ug/Kg	10/14/25 16:13	PB170055
117-84-0	Di-n-octyl phthalate	1500		1	86.8	330	ug/Kg	10/14/25 16:13	PB170055
205-99-2	Benzo(b)fluoranthene	1600		1	19.0	170	ug/Kg	10/14/25 16:13	PB170055
207-08-9	Benzo(k)fluoranthene	1500		1	22.4	170	ug/Kg	10/14/25 16:13	PB170055
50-32-8	Benzo(a)pyrene	1600		1	29.5	170	ug/Kg	10/14/25 16:13	PB170055
193-39-5	Indeno(1,2,3-cd)pyrene	1700		1	29.1	170	ug/Kg	10/14/25 16:13	PB170055
53-70-3	Dibenzo(a,h)anthracene	1700		1	27.4	170	ug/Kg	10/14/25 16:13	PB170055
191-24-2	Benzo(g,h,i)perylene	1700		1	25.7	170	ug/Kg	10/14/25 16:13	PB170055
95-94-3	1,2,4,5-Tetrachlorobenzene	1500		1	25.6	170	ug/Kg	10/14/25 16:13	PB170055
123-91-1	1,4-Dioxane	1300		1	45.2	170	ug/Kg	10/14/25 16:13	PB170055
58-90-2	2,3,4,6-Tetrachlorophenol	1600		1	27.4	170	ug/Kg	10/14/25 16:13	PB170055

SURROGATES

367-12-4	2-Fluorophenol	117		18 - 112	78%	SPK: 150
13127-88-3	Phenol-d6	116		15 - 107	77%	SPK: 150
4165-60-0	Nitrobenzene-d5	86.6		18 - 107	87%	SPK: 100
321-60-8	2-Fluorobiphenyl	77.2		20 - 109	77%	SPK: 100
118-79-6	2,4,6-Tribromophenol	127		10 - 116	85%	SPK: 150
1718-51-0	Terphenyl-d14	93.4		10 - 105	93%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	119000
1146-65-2	Naphthalene-d8	465000
15067-26-2	Acenaphthene-d10	257000
1517-22-2	Phenanthrene-d10	434000
1719-03-5	Chrysene-d12	247000
1520-96-3	Perylene-d12	230000

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	
Project:	RFP 918		Date Received:	
Client Sample ID:	PB170055BS		SDG No.:	Q3321
Lab Sample ID:	PB170055BS		Matrix:	SOIL
Analytical Method:	8270E	Level : LOW	% Solid:	100
Sample Wt/Vol:	30.01 g	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date: 10/10/25		

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:	Weston Solutions, Inc.	Date Collected:	10/07/25
Project:	RFP 918	Date Received:	10/08/25
Client Sample ID:	SS-01-0-1MS	SDG No.:	Q3321
Lab Sample ID:	Q3310-01MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	65.3
Sample Wt/Vol:	30.06 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Level :	LOW
		Final Vol:	1000 uL
		Prep Date:	10/10/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	1600		1	240	500	ug/Kg	10/10/25 16:49	PB170055
108-95-2	Phenol	2500		1	33.8	260	ug/Kg	10/10/25 16:49	PB170055
111-44-4	bis(2-Chloroethyl)ether	2400		1	37.1	260	ug/Kg	10/10/25 16:49	PB170055
95-57-8	2-Chlorophenol	2400		1	37.3	260	ug/Kg	10/10/25 16:49	PB170055
95-48-7	2-Methylphenol	2400		1	45.7	260	ug/Kg	10/10/25 16:49	PB170055
108-60-1	2,2-oxybis(1-Chloropropane)	2400		1	57.3	260	ug/Kg	10/10/25 16:49	PB170055
98-86-2	Acetophenone	2600		1	45.1	260	ug/Kg	10/10/25 16:49	PB170055
65794-96-9	3+4-Methylphenols	2300		1	62.8	500	ug/Kg	10/10/25 16:49	PB170055
621-64-7	n-Nitroso-di-n-propylamine	2300		1	72.4	120	ug/Kg	10/10/25 16:49	PB170055
67-72-1	Hexachloroethane	2300		1	26.9	260	ug/Kg	10/10/25 16:49	PB170055
98-95-3	Nitrobenzene	2600		1	28.0	260	ug/Kg	10/10/25 16:49	PB170055
78-59-1	Isophorone	2400		1	50.1	260	ug/Kg	10/10/25 16:49	PB170055
88-75-5	2-Nitrophenol	2700		1	88.9	260	ug/Kg	10/10/25 16:49	PB170055
105-67-9	2,4-Dimethylphenol	2700		1	99.0	260	ug/Kg	10/10/25 16:49	PB170055
111-91-1	bis(2-Chloroethoxy)methane	2500		1	47.1	260	ug/Kg	10/10/25 16:49	PB170055
120-83-2	2,4-Dichlorophenol	2400		1	43.3	260	ug/Kg	10/10/25 16:49	PB170055
91-20-3	Naphthalene	2500		1	34.7	260	ug/Kg	10/10/25 16:49	PB170055
106-47-8	4-Chloroaniline	870		1	54.1	260	ug/Kg	10/10/25 16:49	PB170055
87-68-3	Hexachlorobutadiene	2300		1	38.7	260	ug/Kg	10/10/25 16:49	PB170055
105-60-2	Caprolactam	2500		1	79.6	500	ug/Kg	10/10/25 16:49	PB170055
59-50-7	4-Chloro-3-methylphenol	2300		1	43.9	260	ug/Kg	10/10/25 16:49	PB170055
91-57-6	2-Methylnaphthalene	2200		1	39.1	260	ug/Kg	10/10/25 16:49	PB170055
77-47-4	Hexachlorocyclopentadiene	2700		1	180	500	ug/Kg	10/10/25 16:49	PB170055
88-06-2	2,4,6-Trichlorophenol	2500		1	30.3	260	ug/Kg	10/10/25 16:49	PB170055
95-95-4	2,4,5-Trichlorophenol	2400		1	44.5	260	ug/Kg	10/10/25 16:49	PB170055
92-52-4	1,1-Biphenyl	2800		1	33.3	260	ug/Kg	10/10/25 16:49	PB170055
91-58-7	2-Chloronaphthalene	2500		1	34.4	260	ug/Kg	10/10/25 16:49	PB170055
88-74-4	2-Nitroaniline	2800		1	73.5	260	ug/Kg	10/10/25 16:49	PB170055
131-11-3	Dimethylphthalate	2600		1	41.4	260	ug/Kg	10/10/25 16:49	PB170055
208-96-8	Acenaphthylene	2800		1	44.2	260	ug/Kg	10/10/25 16:49	PB170055
606-20-2	2,6-Dinitrotoluene	2900		1	51.4	260	ug/Kg	10/10/25 16:49	PB170055
99-09-2	3-Nitroaniline	1800		1	70.3	260	ug/Kg	10/10/25 16:49	PB170055
83-32-9	Acenaphthene	2400		1	32.6	260	ug/Kg	10/10/25 16:49	PB170055
51-28-5	2,4-Dinitrophenol	1100		1	350	500	ug/Kg	10/10/25 16:49	PB170055
100-02-7	4-Nitrophenol	4500	E	1	160	500	ug/Kg	10/10/25 16:49	PB170055
132-64-9	Dibenzofuran	2500		1	34.7	260	ug/Kg	10/10/25 16:49	PB170055
121-14-2	2,4-Dinitrotoluene	2700		1	76.6	260	ug/Kg	10/10/25 16:49	PB170055
84-66-2	Diethylphthalate	2500		1	43.3	260	ug/Kg	10/10/25 16:49	PB170055
7005-72-3	4-Chlorophenyl-phenylether	2300		1	40.8	260	ug/Kg	10/10/25 16:49	PB170055
86-73-7	Fluorene	2400		1	38.7	260	ug/Kg	10/10/25 16:49	PB170055
100-01-6	4-Nitroaniline	2100		1	98.1	260	ug/Kg	10/10/25 16:49	PB170055
534-52-1	4,6-Dinitro-2-methylphenol	700		1	160	500	ug/Kg	10/10/25 16:49	PB170055

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	10/07/25
Project:	RFP 918		Date Received:	10/08/25
Client Sample ID:	SS-01-0-1MS		SDG No.:	Q3321
Lab Sample ID:	Q3310-01MS		Matrix:	SOIL
Analytical Method:	8270E	Level : LOW	% Solid:	65.3
Sample Wt/Vol:	30.06 g	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date: 10/10/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	2700		1	50.3	260	ug/Kg	10/10/25 16:49	PB170055
101-55-3	4-Bromophenyl-phenylether	2600		1	42.5	260	ug/Kg	10/10/25 16:49	PB170055
118-74-1	Hexachlorobenzene	2400		1	38.7	260	ug/Kg	10/10/25 16:49	PB170055
1912-24-9	Atrazine	2700		1	52.0	260	ug/Kg	10/10/25 16:49	PB170055
87-86-5	Pentachlorophenol	4900	E	1	78.4	500	ug/Kg	10/10/25 16:49	PB170055
85-01-8	Phenanthrene	3800		1	31.9	260	ug/Kg	10/10/25 16:49	PB170055
120-12-7	Anthracene	2800		1	50.9	260	ug/Kg	10/10/25 16:49	PB170055
86-74-8	Carbazole	2800		1	47.7	260	ug/Kg	10/10/25 16:49	PB170055
84-74-2	Di-n-butylphthalate	2700		1	73.2	260	ug/Kg	10/10/25 16:49	PB170055
206-44-0	Fluoranthene	4400	E	1	45.9	260	ug/Kg	10/10/25 16:49	PB170055
129-00-0	Pyrene	3100		1	55.0	260	ug/Kg	10/10/25 16:49	PB170055
85-68-7	Butylbenzylphthalate	2700		1	110	260	ug/Kg	10/10/25 16:49	PB170055
91-94-1	3,3-Dichlorobenzidine	2400		1	56.1	500	ug/Kg	10/10/25 16:49	PB170055
56-55-3	Benzo(a)anthracene	3500		1	35.2	260	ug/Kg	10/10/25 16:49	PB170055
218-01-9	Chrysene	3300		1	30.4	260	ug/Kg	10/10/25 16:49	PB170055
117-81-7	Bis(2-ethylhexyl)phthalate	3000		1	90.5	260	ug/Kg	10/10/25 16:49	PB170055
117-84-0	Di-n-octyl phthalate	3300		1	130	500	ug/Kg	10/10/25 16:49	PB170055
205-99-2	Benzo(b)fluoranthene	4000		1	29.0	260	ug/Kg	10/10/25 16:49	PB170055
207-08-9	Benzo(k)fluoranthene	2800		1	34.2	260	ug/Kg	10/10/25 16:49	PB170055
50-32-8	Benzo(a)pyrene	3400		1	45.1	260	ug/Kg	10/10/25 16:49	PB170055
193-39-5	Indeno(1,2,3-cd)pyrene	2200		1	44.5	260	ug/Kg	10/10/25 16:49	PB170055
53-70-3	Dibenzo(a,h)anthracene	2000		1	41.9	260	ug/Kg	10/10/25 16:49	PB170055
191-24-2	Benzo(g,h,i)perylene	2200		1	39.3	260	ug/Kg	10/10/25 16:49	PB170055
95-94-3	1,2,4,5-Tetrachlorobenzene	2900		1	39.1	260	ug/Kg	10/10/25 16:49	PB170055
123-91-1	1,4-Dioxane	2200		1	69.1	260	ug/Kg	10/10/25 16:49	PB170055
58-90-2	2,3,4,6-Tetrachlorophenol	2400		1	41.9	260	ug/Kg	10/10/25 16:49	PB170055

SURROGATES

367-12-4	2-Fluorophenol	84.5		18 - 112	56%	SPK: 150
13127-88-3	Phenol-d6	84.2		15 - 107	56%	SPK: 150
4165-60-0	Nitrobenzene-d5	59.4		18 - 107	59%	SPK: 100
321-60-8	2-Fluorobiphenyl	50.0		20 - 109	50%	SPK: 100
118-79-6	2,4,6-Tribromophenol	71.0		10 - 116	47%	SPK: 150
1718-51-0	Terphenyl-d14	37.8		10 - 105	38%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	113000
1146-65-2	Naphthalene-d8	421000
15067-26-2	Acenaphthene-d10	206000
1517-22-2	Phenanthrene-d10	309000
1719-03-5	Chrysene-d12	255000
1520-96-3	Perylene-d12	244000

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	10/07/25
Project:	RFP 918	Date Received:	10/08/25
Client Sample ID:	SS-01-0-1MS	SDG No.:	Q3321
Lab Sample ID:	Q3310-01MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	65.3
Sample Wt/Vol:	30.06 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541		
	Level : LOW		
	Final Vol: 1000 uL		
	Prep Date: 10/10/25		

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:	Weston Solutions, Inc.		Date Collected:	10/07/25
Project:	RFP 918		Date Received:	10/08/25
Client Sample ID:	SS-01-0-1MSD		SDG No.:	Q3321
Lab Sample ID:	Q3310-01MSD		Matrix:	SOIL
Analytical Method:	8270E	Level : LOW	% Solid:	65.3
Sample Wt/Vol:	30.03 g	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date: 10/10/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	1500		1	240	500	ug/Kg	10/10/25 17:18	PB170055
108-95-2	Phenol	2400		1	33.8	260	ug/Kg	10/10/25 17:18	PB170055
111-44-4	bis(2-Chloroethyl)ether	2300		1	37.2	260	ug/Kg	10/10/25 17:18	PB170055
95-57-8	2-Chlorophenol	2300		1	37.3	260	ug/Kg	10/10/25 17:18	PB170055
95-48-7	2-Methylphenol	2300		1	45.7	260	ug/Kg	10/10/25 17:18	PB170055
108-60-1	2,2-oxybis(1-Chloropropane)	2400		1	57.4	260	ug/Kg	10/10/25 17:18	PB170055
98-86-2	Acetophenone	2500		1	45.1	260	ug/Kg	10/10/25 17:18	PB170055
65794-96-9	3+4-Methylphenols	2200		1	62.9	500	ug/Kg	10/10/25 17:18	PB170055
621-64-7	n-Nitroso-di-n-propylamine	2200		1	72.5	120	ug/Kg	10/10/25 17:18	PB170055
67-72-1	Hexachloroethane	2200		1	26.9	260	ug/Kg	10/10/25 17:18	PB170055
98-95-3	Nitrobenzene	2500		1	28.0	260	ug/Kg	10/10/25 17:18	PB170055
78-59-1	Isophorone	2400		1	50.2	260	ug/Kg	10/10/25 17:18	PB170055
88-75-5	2-Nitrophenol	2600		1	89.0	260	ug/Kg	10/10/25 17:18	PB170055
105-67-9	2,4-Dimethylphenol	2600		1	99.1	260	ug/Kg	10/10/25 17:18	PB170055
111-91-1	bis(2-Chloroethoxy)methane	2300		1	47.1	260	ug/Kg	10/10/25 17:18	PB170055
120-83-2	2,4-Dichlorophenol	2300		1	43.3	260	ug/Kg	10/10/25 17:18	PB170055
91-20-3	Naphthalene	2400		1	34.7	260	ug/Kg	10/10/25 17:18	PB170055
106-47-8	4-Chloroaniline	900		1	54.2	260	ug/Kg	10/10/25 17:18	PB170055
87-68-3	Hexachlorobutadiene	2300		1	38.7	260	ug/Kg	10/10/25 17:18	PB170055
105-60-2	Caprolactam	2300		1	79.7	500	ug/Kg	10/10/25 17:18	PB170055
59-50-7	4-Chloro-3-methylphenol	2200		1	43.9	260	ug/Kg	10/10/25 17:18	PB170055
91-57-6	2-Methylnaphthalene	2100		1	39.2	260	ug/Kg	10/10/25 17:18	PB170055
77-47-4	Hexachlorocyclopentadiene	2200		1	180	500	ug/Kg	10/10/25 17:18	PB170055
88-06-2	2,4,6-Trichlorophenol	2400		1	30.3	260	ug/Kg	10/10/25 17:18	PB170055
95-95-4	2,4,5-Trichlorophenol	2300		1	44.5	260	ug/Kg	10/10/25 17:18	PB170055
92-52-4	1,1-Biphenyl	2800		1	33.4	260	ug/Kg	10/10/25 17:18	PB170055
91-58-7	2-Chloronaphthalene	2400		1	34.4	260	ug/Kg	10/10/25 17:18	PB170055
88-74-4	2-Nitroaniline	2800		1	73.6	260	ug/Kg	10/10/25 17:18	PB170055
131-11-3	Dimethylphthalate	2500		1	41.5	260	ug/Kg	10/10/25 17:18	PB170055
208-96-8	Acenaphthylene	2700		1	44.2	260	ug/Kg	10/10/25 17:18	PB170055
606-20-2	2,6-Dinitrotoluene	2800		1	51.4	260	ug/Kg	10/10/25 17:18	PB170055
99-09-2	3-Nitroaniline	1900		1	70.4	260	ug/Kg	10/10/25 17:18	PB170055
83-32-9	Acenaphthene	2300		1	32.6	260	ug/Kg	10/10/25 17:18	PB170055
51-28-5	2,4-Dinitrophenol	720		1	350	500	ug/Kg	10/10/25 17:18	PB170055
100-02-7	4-Nitrophenol	4200	E	1	160	500	ug/Kg	10/10/25 17:18	PB170055
132-64-9	Dibenzofuran	2400		1	34.7	260	ug/Kg	10/10/25 17:18	PB170055
121-14-2	2,4-Dinitrotoluene	2600		1	76.6	260	ug/Kg	10/10/25 17:18	PB170055
84-66-2	Diethylphthalate	2400		1	43.3	260	ug/Kg	10/10/25 17:18	PB170055
7005-72-3	4-Chlorophenyl-phenylether	2300		1	40.8	260	ug/Kg	10/10/25 17:18	PB170055
86-73-7	Fluorene	2300		1	38.7	260	ug/Kg	10/10/25 17:18	PB170055
100-01-6	4-Nitroaniline	2000		1	98.2	260	ug/Kg	10/10/25 17:18	PB170055
534-52-1	4,6-Dinitro-2-methylphenol	420	J	1	160	500	ug/Kg	10/10/25 17:18	PB170055

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:	10/07/25
Project:	RFP 918		Date Received:	10/08/25
Client Sample ID:	SS-01-0-1MSD		SDG No.:	Q3321
Lab Sample ID:	Q3310-01MSD		Matrix:	SOIL
Analytical Method:	8270E	Level : LOW	% Solid:	65.3
Sample Wt/Vol:	30.03 g	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date: 10/10/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	2800		1	50.3	260	ug/Kg	10/10/25 17:18	PB170055
101-55-3	4-Bromophenyl-phenylether	2600		1	42.5	260	ug/Kg	10/10/25 17:18	PB170055
118-74-1	Hexachlorobenzene	2400		1	38.7	260	ug/Kg	10/10/25 17:18	PB170055
1912-24-9	Atrazine	2600		1	52.0	260	ug/Kg	10/10/25 17:18	PB170055
87-86-5	Pentachlorophenol	4700	E	1	78.5	500	ug/Kg	10/10/25 17:18	PB170055
85-01-8	Phenanthrene	3900		1	32.0	260	ug/Kg	10/10/25 17:18	PB170055
120-12-7	Anthracene	2800		1	50.9	260	ug/Kg	10/10/25 17:18	PB170055
86-74-8	Carbazole	2800		1	47.7	260	ug/Kg	10/10/25 17:18	PB170055
84-74-2	Di-n-butylphthalate	2700		1	73.3	260	ug/Kg	10/10/25 17:18	PB170055
206-44-0	Fluoranthene	4400	E	1	45.9	260	ug/Kg	10/10/25 17:18	PB170055
129-00-0	Pyrene	3000		1	55.1	260	ug/Kg	10/10/25 17:18	PB170055
85-68-7	Butylbenzylphthalate	2600		1	110	260	ug/Kg	10/10/25 17:18	PB170055
91-94-1	3,3-Dichlorobenzidine	2400		1	56.1	500	ug/Kg	10/10/25 17:18	PB170055
56-55-3	Benzo(a)anthracene	3400		1	35.2	260	ug/Kg	10/10/25 17:18	PB170055
218-01-9	Chrysene	3200		1	30.4	260	ug/Kg	10/10/25 17:18	PB170055
117-81-7	Bis(2-ethylhexyl)phthalate	2900		1	90.6	260	ug/Kg	10/10/25 17:18	PB170055
117-84-0	Di-n-octyl phthalate	3200		1	130	500	ug/Kg	10/10/25 17:18	PB170055
205-99-2	Benzo(b)fluoranthene	3500		1	29.1	260	ug/Kg	10/10/25 17:18	PB170055
207-08-9	Benzo(k)fluoranthene	2700		1	34.3	260	ug/Kg	10/10/25 17:18	PB170055
50-32-8	Benzo(a)pyrene	3300		1	45.1	260	ug/Kg	10/10/25 17:18	PB170055
193-39-5	Indeno(1,2,3-cd)pyrene	2200		1	44.5	260	ug/Kg	10/10/25 17:18	PB170055
53-70-3	Dibenzo(a,h)anthracene	1900		1	41.9	260	ug/Kg	10/10/25 17:18	PB170055
191-24-2	Benzo(g,h,i)perylene	2200		1	39.3	260	ug/Kg	10/10/25 17:18	PB170055
95-94-3	1,2,4,5-Tetrachlorobenzene	2800		1	39.2	260	ug/Kg	10/10/25 17:18	PB170055
123-91-1	1,4-Dioxane	2200		1	69.1	260	ug/Kg	10/10/25 17:18	PB170055
58-90-2	2,3,4,6-Tetrachlorophenol	2200		1	41.9	260	ug/Kg	10/10/25 17:18	PB170055

SURROGATES

367-12-4	2-Fluorophenol	81.9		18 - 112	55%	SPK: 150
13127-88-3	Phenol-d6	80.9		15 - 107	54%	SPK: 150
4165-60-0	Nitrobenzene-d5	57.4		18 - 107	57%	SPK: 100
321-60-8	2-Fluorobiphenyl	49.4		20 - 109	49%	SPK: 100
118-79-6	2,4,6-Tribromophenol	66.1		10 - 116	44%	SPK: 150
1718-51-0	Terphenyl-d14	35.9		10 - 105	36%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	118000
1146-65-2	Naphthalene-d8	432000
15067-26-2	Acenaphthene-d10	206000
1517-22-2	Phenanthrene-d10	294000
1719-03-5	Chrysene-d12	250000
1520-96-3	Perylene-d12	234000

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	10/07/25
Project:	RFP 918	Date Received:	10/08/25
Client Sample ID:	SS-01-0-1MSD	SDG No.:	Q3321
Lab Sample ID:	Q3310-01MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	65.3
Sample Wt/Vol:	30.03 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541		
	Level : LOW		
	Final Vol: 1000 uL		
	Prep Date: 10/10/25		

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>ROYF02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3321</u>
Instrument ID:	<u>BNA_F</u>	Calibration Date/Time:	<u>10/10/2025 12:32</u>
Lab File ID:	<u>BF143920.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	1.354		7.5	
Benzaldehyde	1.158	1.316		13.6	
Phenol-d6	1.501	1.564		4.2	
Phenol	1.795	1.996		11.2	20.0
bis(2-Chloroethyl)ether	1.386	1.462		5.5	
2-Chlorophenol	1.231	1.308		6.3	
2-Methylphenol	1.017	1.069		5.1	
2,2-oxybis(1-Chloropropane)	3.156	3.381		7.1	
Acetophenone	0.423	0.424		0.2	
3+4-Methylphenols	1.179	1.252		6.2	
n-Nitroso-di-n-propylamine	1.028	1.054	0.050	2.5	
Nitrobenzene-d5	0.329	0.354		7.6	
Hexachloroethane	0.485	0.507		4.5	
Nitrobenzene	0.366	0.393		7.4	
Isophorone	0.694	0.688		-0.9	
2-Nitrophenol	0.157	0.186		18.5	20.0
2,4-Dimethylphenol	0.282	0.286		1.4	
bis(2-Chloroethoxy)methane	0.438	0.435		-0.7	
2,4-Dichlorophenol	0.294	0.299		1.7	20.0
Naphthalene	0.910	0.910		0.0	
4-Chloroaniline	0.341	0.347		1.8	
Hexachlorobutadiene	0.201	0.198		-1.5	20.0
Caprolactam	0.093	0.097		4.3	
4-Chloro-3-methylphenol	0.282	0.286		1.4	20.0
2-Methylnaphthalene	0.606	0.601		-0.8	
Hexachlorocyclopentadiene	0.229	0.224	0.050	-2.2	
2,4,6-Trichlorophenol	0.404	0.419		3.7	20.0
2-Fluorobiphenyl	1.260	1.193		-5.3	
2,4,5-Trichlorophenol	0.427	0.448		4.9	
1,1-Biphenyl	1.324	1.326		0.2	
2-Chloronaphthalene	1.104	1.120		1.4	
2-Nitroaniline	0.349	0.392		12.3	
Dimethylphthalate	1.270	1.302		2.5	
Acenaphthylene	1.552	1.573		1.4	
2,6-Dinitrotoluene	0.236	0.274		16.1	
3-Nitroaniline	0.288	0.314		9.0	
Acenaphthene	1.017	1.037		2.0	20.0
2,4-Dinitrophenol	0.118	0.135	0.050	14.4	
4-Nitrophenol	0.218	0.233	0.050	6.9	

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>ROYF02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3321</u>
Instrument ID:	<u>BNA_F</u>	Calibration Date/Time:	<u>10/10/2025 12:32</u>
Lab File ID:	<u>BF143920.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	1.442		0.4	
2,4-Dinitrotoluene	0.320	0.376		17.2	
Diethylphthalate	1.180	1.196		1.4	
4-Chlorophenyl-phenylether	0.573	0.581		1.4	
Fluorene	1.083	1.076		-0.6	
4-Nitroaniline	0.277	0.300		8.3	
4,6-Dinitro-2-methylphenol	0.101	0.113		11.9	
n-Nitrosodiphenylamine	0.628	0.633		0.8	20.0
2,4,6-Tribromophenol	0.199	0.207		4.0	
4-Bromophenyl-phenylether	0.221	0.221		0.0	
Hexachlorobenzene	0.256	0.254		-0.8	
Atrazine	0.190	0.187		-1.6	
Pentachlorophenol	0.147	0.149		1.4	20.0
Phenanthrene	0.970	0.969		-0.1	
Anthracene	0.980	0.973		-0.7	
Carbazole	0.868	0.862		-0.7	
Di-n-butylphthalate	1.005	1.055		5.0	
Fluoranthene	1.002	0.980		-2.2	20.0
Pyrene	1.667	1.818		9.1	
Terphenyl-d14	1.170	1.312		12.1	
Butylbenzylphthalate	0.542	0.630		16.2	
3,3-Dichlorobenzidine	0.399	0.413		3.5	
Benzo (a) anthracene	1.309	1.386		5.9	
Chrysene	1.211	1.284		6.0	
Bis(2-ethylhexyl)phthalate	0.653	0.759		16.2	
Di-n-octyl phthalate	1.072	1.255		17.1	20.0
Benzo (b) fluoranthene	1.149	1.152		0.3	
Benzo (k) fluoranthene	1.063	1.059		-0.4	
Benzo (a) pyrene	0.996	1.029		3.3	20.0
Indeno (1,2,3-cd) pyrene	1.225	1.406		14.8	
Dibenzo (a,h) anthracene	0.986	1.138		15.4	
Benzo (g,h,i) perylene	0.986	1.131		14.7	
1,2,4,5-Tetrachlorobenzene	0.553	0.568		2.7	
1,4-Dioxane	0.583	0.639		9.6	20.0
2,3,4,6-Tetrachlorophenol	0.302	0.315		4.3	

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>ROYF02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3321</u>
Instrument ID:	<u>BNA_F</u>	Calibration Date/Time:	<u>10/14/2025 13:57</u>
Lab File ID:	<u>BF143946.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	1.310		4.1	
Benzaldehyde	1.158	1.233		6.5	
Phenol-d6	1.501	1.541		2.7	
Phenol	1.795	1.891		5.3	20.0
bis(2-Chloroethyl)ether	1.386	1.423		2.7	
2-Chlorophenol	1.231	1.302		5.8	
2-Methylphenol	1.017	1.014		-0.3	
2,2-oxybis(1-Chloropropane)	3.156	3.174		0.6	
Acetophenone	0.423	0.402		-5.0	
3+4-Methylphenols	1.179	1.146		-2.8	
n-Nitroso-di-n-propylamine	1.028	0.867	0.050	-15.7	
Nitrobenzene-d5	0.329	0.353		7.3	
Hexachloroethane	0.485	0.504		3.9	
Nitrobenzene	0.366	0.387		5.7	
Isophorone	0.694	0.639		-7.9	
2-Nitrophenol	0.157	0.180		14.6	20.0
2,4-Dimethylphenol	0.282	0.276		-2.1	
bis(2-Chloroethoxy)methane	0.438	0.412		-5.9	
2,4-Dichlorophenol	0.294	0.291		-1.0	20.0
Naphthalene	0.910	0.905		-0.5	
4-Chloroaniline	0.341	0.323		-5.3	
Hexachlorobutadiene	0.201	0.202		0.5	20.0
Caprolactam	0.093	0.086		-7.5	
4-Chloro-3-methylphenol	0.282	0.267		-5.3	20.0
2-Methylnaphthalene	0.606	0.560		-7.6	
Hexachlorocyclopentadiene	0.229	0.197	0.050	-14.0	
2,4,6-Trichlorophenol	0.404	0.405		0.2	20.0
2-Fluorobiphenyl	1.260	1.191		-5.5	
2,4,5-Trichlorophenol	0.427	0.443		3.7	
1,1-Biphenyl	1.324	1.345		1.6	
2-Chloronaphthalene	1.104	1.133		2.6	
2-Nitroaniline	0.349	0.395		13.2	
Dimethylphthalate	1.270	1.296		2.0	
Acenaphthylene	1.552	1.575		1.5	
2,6-Dinitrotoluene	0.236	0.266		12.7	
3-Nitroaniline	0.288	0.309		7.3	
Acenaphthene	1.017	1.027		1.0	20.0
2,4-Dinitrophenol	0.118	0.124	0.050	5.1	
4-Nitrophenol	0.218	0.224	0.050	2.8	

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>ROYF02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3321</u>
Instrument ID:	<u>BNA_F</u>	Calibration Date/Time:	<u>10/14/2025 13:57</u>
Lab File ID:	<u>BF143946.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	1.446		0.7	
2,4-Dinitrotoluene	0.320	0.368		15.0	
Diethylphthalate	1.180	1.193		1.1	
4-Chlorophenyl-phenylether	0.573	0.590		3.0	
Fluorene	1.083	1.080		-0.3	
4-Nitroaniline	0.277	0.289		4.3	
4,6-Dinitro-2-methylphenol	0.101	0.116		14.9	
n-Nitrosodiphenylamine	0.628	0.637		1.4	20.0
2,4,6-Tribromophenol	0.199	0.199		0.0	
4-Bromophenyl-phenylether	0.221	0.224		1.4	
Hexachlorobenzene	0.256	0.255		-0.4	
Atrazine	0.190	0.188		-1.1	
Pentachlorophenol	0.147	0.137		-6.8	20.0
Phenanthrene	0.970	0.972		0.2	
Anthracene	0.980	0.988		0.8	
Carbazole	0.868	0.872		0.5	
Di-n-butylphthalate	1.005	1.066		6.1	
Fluoranthene	1.002	0.990		-1.2	20.0
Pyrene	1.667	1.875		12.5	
Terphenyl-d14	1.170	1.334		14.0	
Butylbenzylphthalate	0.542	0.648		19.6	
3,3-Dichlorobenzidine	0.399	0.389		-2.5	
Benzo (a) anthracene	1.309	1.436		9.7	
Chrysene	1.211	1.243		2.6	
Bis(2-ethylhexyl)phthalate	0.653	0.758		16.1	
Di-n-octyl phthalate	1.072	1.165		8.7	20.0
Benzo (b) fluoranthene	1.149	1.180		2.7	
Benzo (k) fluoranthene	1.063	1.025		-3.6	
Benzo (a) pyrene	0.996	1.040		4.4	20.0
Indeno (1,2,3-cd) pyrene	1.225	1.462		19.3	
Dibenzo (a,h) anthracene	0.986	1.156		17.2	
Benzo (g,h,i) perylene	0.986	1.164		18.1	
1,2,4,5-Tetrachlorobenzene	0.553	0.594		7.4	
1,4-Dioxane	0.583	0.641		9.9	20.0
2,3,4,6-Tetrachlorophenol	0.302	0.313		3.6	

All other compounds must meet a minimum RRF of 0.010.