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

LAB CHRONICLE

OrderID:	Q3375	**OrderDate:**	10/17/2025 10:32:00 AM
Client:	AECOM	**Project:**	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60699795 [illegible]
Contact:	Rob Forstner	**Location:**	DOD, VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3375-01	**PR132-S02-074099-20251016**	**SOIL**			**10/16/25**			**10/16/25**
			SVOC-TCL BNA -20	8270E		10/20/25	10/21/25	
Q3375-02	**PR132-S04-000013-20251016**	**SOIL**			**10/16/25**			**10/16/25**
			SVOC-TCL BNA -20	8270E		10/20/25	10/21/25	
Q3375-03	**PR132-S05-000057-20251016**	**SOIL**			**10/16/25**			**10/16/25**
			SVOC-TCL BNA -20	8270E		10/20/25	10/21/25	
Q3375-04	**PR132-S02-010074-20251016**	**SOIL**			**10/16/25**			**10/16/25**
			SVOC-TCL BNA -20	8270E		10/20/25	10/21/25	
Q3375-05	**PR132-DP02-074099-20251016**	**SOIL**			**10/16/25**			**10/16/25**
			SVOC-TCL BNA -20	8270E		10/20/25	10/21/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3375

Client: AECOM

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID : PR132-S02-074099-20251016									
Q3375-01	PR132-S02-074099-2025	SOIL	Benzophenone	*	280.000	J	0	0	ug/Kg
Q3375-01	PR132-S02-074099-2025	SOIL	Tridecanoic acid	*	240.000	J	0	0	ug/Kg
			Total Tics :		**520.00**				
			Total Concentration:		**520.00**				
Client ID : PR132-S04-000013-20251016									
Q3375-02	PR132-S04-000013-2025	SOIL	Benzophenone	*	390.000	J	0	0	ug/Kg
Q3375-02	PR132-S04-000013-2025	SOIL	n-Hexadecanoic acid	*	250.000	J	0	0	ug/Kg
Q3375-02	PR132-S04-000013-2025	SOIL	Pentafluoropropionic acid, heptad	*	220.000	J	0	0	ug/Kg
			Total Tics :		**860.00**				
			Total Concentration:		**860.00**				
Client ID : PR132-S05-000057-20251016									
Q3375-03	PR132-S05-000057-2025	SOIL	Benzophenone	*	220.000	J	0	0	ug/Kg
			Total Tics :		**220.00**				
			Total Concentration:		**220.00**				
Client ID : PR132-S02-010074-20251016									
Q3375-04	PR132-S02-010074-2025	SOIL	Benzo(a)pyrene		130.000	J	53.3	310	ug/Kg
			Total Svoc :		**130.00**				
Q3375-04	PR132-S02-010074-2025	SOIL	1-Heneicosanol	*	270.000	J	0	0	ug/Kg
Q3375-04	PR132-S02-010074-2025	SOIL	Benzophenone	*	460.000	J	0	0	ug/Kg
Q3375-04	PR132-S02-010074-2025	SOIL	Dodecane, 2,7,10-trimethyl-	*	170.000	J	0	0	ug/Kg
Q3375-04	PR132-S02-010074-2025	SOIL	Tridecane	*	180.000	J	0	0	ug/Kg
Q3375-04	PR132-S02-010074-2025	SOIL	Tridecanoic acid	*	330.000	J	0	0	ug/Kg
Q3375-04	PR132-S02-010074-2025	SOIL	Undecane, 2,6-dimethyl-	*	140.000	J	0	0	ug/Kg
			Total Tics :		**1,550.00**				
			Total Concentration:		**1,680.00**				
Client ID : PR132-DP02-074099-20251016									
Q3375-05	PR132-DP02-074099-202	SOIL	Phenanthrene		99.800	J	31.3	250	ug/Kg
Q3375-05	PR132-DP02-074099-202	SOIL	Fluoranthene		160.000	J	44.9	250	ug/Kg
Q3375-05	PR132-DP02-074099-202	SOIL	Bis(2-ethylhexyl)phthalate		130.000	J	88.6	250	ug/Kg
			Total Svoc :		**389.80**				
Q3375-05	PR132-DP02-074099-202	SOIL	Benzophenone	*	300.000	J	0	0	ug/Kg
Q3375-05	PR132-DP02-074099-202	SOIL	Cyclopentadecane	*	150.000	J	0	0	ug/Kg
Q3375-05	PR132-DP02-074099-202	SOIL	n-Hexadecanoic acid	*	280.000	J	0	0	ug/Kg
			Total Tics :		**730.00**				
			Total Concentration:		**1,119.80**				

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Hit Summary Sheet
SW-846

SDG No.: Q3375

Client: AECOM

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S02-074099-20251016	SDG No.:	Q3375
Lab Sample ID:	Q3375-01	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	69.2
Sample Wt/Vol:	30.02 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	480	U	1	230	480	ug/Kg	10/21/25 16:32	PB170165
108-95-2	Phenol	250	U	1	31.9	250	ug/Kg	10/21/25 16:32	PB170165
111-44-4	bis(2-Chloroethyl)ether	250	U	1	35.1	250	ug/Kg	10/21/25 16:32	PB170165
95-57-8	2-Chlorophenol	250	U	1	35.2	250	ug/Kg	10/21/25 16:32	PB170165
95-48-7	2-Methylphenol	250	U	1	43.2	250	ug/Kg	10/21/25 16:32	PB170165
108-60-1	2,2-oxybis(1-Chloropropane)	250	U	1	54.2	250	ug/Kg	10/21/25 16:32	PB170165
98-86-2	Acetophenone	250	U	1	42.6	250	ug/Kg	10/21/25 16:32	PB170165
65794-96-9	3+4-Methylphenols	480	U	1	59.4	480	ug/Kg	10/21/25 16:32	PB170165
621-64-7	n-Nitroso-di-n-propylamine	120	U	1	68.5	120	ug/Kg	10/21/25 16:32	PB170165
67-72-1	Hexachloroethane	250	U	1	25.4	250	ug/Kg	10/21/25 16:32	PB170165
98-95-3	Nitrobenzene	250	U	1	26.4	250	ug/Kg	10/21/25 16:32	PB170165
78-59-1	Isophorone	250	U	1	47.4	250	ug/Kg	10/21/25 16:32	PB170165
88-75-5	2-Nitrophenol	250	U	1	84.0	250	ug/Kg	10/21/25 16:32	PB170165
105-67-9	2,4-Dimethylphenol	250	U	1	93.6	250	ug/Kg	10/21/25 16:32	PB170165
111-91-1	bis(2-Chloroethoxy)methane	250	U	1	44.5	250	ug/Kg	10/21/25 16:32	PB170165
120-83-2	2,4-Dichlorophenol	250	U	1	40.9	250	ug/Kg	10/21/25 16:32	PB170165
91-20-3	Naphthalene	250	U	1	32.8	250	ug/Kg	10/21/25 16:32	PB170165
106-47-8	4-Chloroaniline	250	U	1	51.1	250	ug/Kg	10/21/25 16:32	PB170165
87-68-3	Hexachlorobutadiene	250	U	1	36.5	250	ug/Kg	10/21/25 16:32	PB170165
105-60-2	Caprolactam	480	U	1	75.2	480	ug/Kg	10/21/25 16:32	PB170165
59-50-7	4-Chloro-3-methylphenol	250	U	1	41.4	250	ug/Kg	10/21/25 16:32	PB170165
91-57-6	2-Methylnaphthalene	250	U	1	37.0	250	ug/Kg	10/21/25 16:32	PB170165
77-47-4	Hexachlorocyclopentadiene	480	U	1	170	480	ug/Kg	10/21/25 16:32	PB170165
88-06-2	2,4,6-Trichlorophenol	250	U	1	28.6	250	ug/Kg	10/21/25 16:32	PB170165
95-95-4	2,4,5-Trichlorophenol	250	U	1	42.0	250	ug/Kg	10/21/25 16:32	PB170165
92-52-4	1,1-Biphenyl	250	U	1	31.5	250	ug/Kg	10/21/25 16:32	PB170165
91-58-7	2-Chloronaphthalene	250	U	1	32.5	250	ug/Kg	10/21/25 16:32	PB170165
88-74-4	2-Nitroaniline	250	U	1	69.5	250	ug/Kg	10/21/25 16:32	PB170165
131-11-3	Dimethylphthalate	250	U	1	39.1	250	ug/Kg	10/21/25 16:32	PB170165
208-96-8	Acenaphthylene	250	U	1	41.7	250	ug/Kg	10/21/25 16:32	PB170165
606-20-2	2,6-Dinitrotoluene	250	U	1	48.5	250	ug/Kg	10/21/25 16:32	PB170165
99-09-2	3-Nitroaniline	250	U	1	66.4	250	ug/Kg	10/21/25 16:32	PB170165
83-32-9	Acenaphthene	250	U	1	30.8	250	ug/Kg	10/21/25 16:32	PB170165
51-28-5	2,4-Dinitrophenol	480	U	1	330	480	ug/Kg	10/21/25 16:32	PB170165
100-02-7	4-Nitrophenol	480	U	1	150	480	ug/Kg	10/21/25 16:32	PB170165
132-64-9	Dibenzofuran	250	U	1	32.8	250	ug/Kg	10/21/25 16:32	PB170165
121-14-2	2,4-Dinitrotoluene	250	U	1	72.4	250	ug/Kg	10/21/25 16:32	PB170165
84-66-2	Diethylphthalate	250	U	1	40.9	250	ug/Kg	10/21/25 16:32	PB170165
7005-72-3	4-Chlorophenyl-phenylether	250	U	1	38.6	250	ug/Kg	10/21/25 16:32	PB170165
86-73-7	Fluorene	250	U	1	36.5	250	ug/Kg	10/21/25 16:32	PB170165
100-01-6	4-Nitroaniline	250	U	1	92.7	250	ug/Kg	10/21/25 16:32	PB170165
534-52-1	4,6-Dinitro-2-methylphenol	480	U	1	150	480	ug/Kg	10/21/25 16:32	PB170165

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S02-074099-20251016	SDG No.:	Q3375
Lab Sample ID:	Q3375-01	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	69.2
Sample Wt/Vol:	30.02 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	250	U	1	47.5	250	ug/Kg	10/21/25 16:32	PB170165
101-55-3	4-Bromophenyl-phenylether	250	U	1	40.1	250	ug/Kg	10/21/25 16:32	PB170165
118-74-1	Hexachlorobenzene	250	U	1	36.5	250	ug/Kg	10/21/25 16:32	PB170165
1912-24-9	Atrazine	250	U	1	49.1	250	ug/Kg	10/21/25 16:32	PB170165
87-86-5	Pentachlorophenol	480	U	1	74.1	480	ug/Kg	10/21/25 16:32	PB170165
85-01-8	Phenanthrene	250	U	1	30.2	250	ug/Kg	10/21/25 16:32	PB170165
120-12-7	Anthracene	250	U	1	48.1	250	ug/Kg	10/21/25 16:32	PB170165
86-74-8	Carbazole	250	U	1	45.1	250	ug/Kg	10/21/25 16:32	PB170165
84-74-2	Di-n-butylphthalate	250	U	1	69.2	250	ug/Kg	10/21/25 16:32	PB170165
206-44-0	Fluoranthene	250	U	1	43.3	250	ug/Kg	10/21/25 16:32	PB170165
129-00-0	Pyrene	250	U	1	52.0	250	ug/Kg	10/21/25 16:32	PB170165
85-68-7	Butylbenzylphthalate	250	U	1	100	250	ug/Kg	10/21/25 16:32	PB170165
91-94-1	3,3-Dichlorobenzidine	480	U	1	53.0	480	ug/Kg	10/21/25 16:32	PB170165
56-55-3	Benzo(a)anthracene	250	U	1	33.2	250	ug/Kg	10/21/25 16:32	PB170165
218-01-9	Chrysene	250	U	1	28.7	250	ug/Kg	10/21/25 16:32	PB170165
117-81-7	Bis(2-ethylhexyl)phthalate	250	U	1	85.5	250	ug/Kg	10/21/25 16:32	PB170165
117-84-0	Di-n-octyl phthalate	480	U	1	130	480	ug/Kg	10/21/25 16:32	PB170165
205-99-2	Benzo(b)fluoranthene	250	U	1	27.4	250	ug/Kg	10/21/25 16:32	PB170165
207-08-9	Benzo(k)fluoranthene	250	U	1	32.3	250	ug/Kg	10/21/25 16:32	PB170165
50-32-8	Benzo(a)pyrene	250	U	1	42.6	250	ug/Kg	10/21/25 16:32	PB170165
193-39-5	Indeno(1,2,3-cd)pyrene	250	U	1	42.0	250	ug/Kg	10/21/25 16:32	PB170165
53-70-3	Dibenzo(a,h)anthracene	250	U	1	39.6	250	ug/Kg	10/21/25 16:32	PB170165
191-24-2	Benzo(g,h,i)perylene	250	U	1	37.1	250	ug/Kg	10/21/25 16:32	PB170165
95-94-3	1,2,4,5-Tetrachlorobenzene	250	U	1	37.0	250	ug/Kg	10/21/25 16:32	PB170165
123-91-1	1,4-Dioxane	250	U	1	65.3	250	ug/Kg	10/21/25 16:32	PB170165
58-90-2	2,3,4,6-Tetrachlorophenol	250	U	1	39.6	250	ug/Kg	10/21/25 16:32	PB170165
SURROGATES									
367-12-4	2-Fluorophenol	67.8			18 - 112	45%	SPK: 150		
13127-88-3	Phenol-d6	65.1			15 - 107	43%	SPK: 150		
4165-60-0	Nitrobenzene-d5	43.7			18 - 107	44%	SPK: 100		
321-60-8	2-Fluorobiphenyl	38.6			20 - 109	39%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	57.6			10 - 116	38%	SPK: 150		
1718-51-0	Terphenyl-d14	28.1			10 - 105	28%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	110000							
1146-65-2	Naphthalene-d8	402000							
15067-26-2	Acenaphthene-d10	203000							
1517-22-2	Phenanthrene-d10	319000							
1719-03-5	Chrysene-d12	282000							
1520-96-3	Perylene-d12	335000							
TENTATIVE IDENTIFIED COMPOUNDS									
000119-61-9	Benzophenone	280	J			10.6	ug/Kg		
000638-53-9	Tridecanoic acid	240	J			11.9	ug/Kg		

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S02-074099-20251016	SDG No.:	Q3375
Lab Sample ID:	Q3375-01	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	69.2
Sample Wt/Vol:	30.02 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

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

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S04-000013-20251016	SDG No.:	Q3375
Lab Sample ID:	Q3375-02	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	74.7
Sample Wt/Vol:	30.07 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	440	U	1	210	440	ug/Kg	10/21/25 17:02	PB170165
108-95-2	Phenol	230	U	1	29.5	230	ug/Kg	10/21/25 17:02	PB170165
111-44-4	bis(2-Chloroethyl)ether	230	U	1	32.5	230	ug/Kg	10/21/25 17:02	PB170165
95-57-8	2-Chlorophenol	230	U	1	32.6	230	ug/Kg	10/21/25 17:02	PB170165
95-48-7	2-Methylphenol	230	U	1	39.9	230	ug/Kg	10/21/25 17:02	PB170165
108-60-1	2,2-oxybis(1-Chloropropane)	230	U	1	50.1	230	ug/Kg	10/21/25 17:02	PB170165
98-86-2	Acetophenone	230	U	1	39.4	230	ug/Kg	10/21/25 17:02	PB170165
65794-96-9	3+4-Methylphenols	440	U	1	54.9	440	ug/Kg	10/21/25 17:02	PB170165
621-64-7	n-Nitroso-di-n-propylamine	110	U	1	63.3	110	ug/Kg	10/21/25 17:02	PB170165
67-72-1	Hexachloroethane	230	U	1	23.5	230	ug/Kg	10/21/25 17:02	PB170165
98-95-3	Nitrobenzene	230	U	1	24.4	230	ug/Kg	10/21/25 17:02	PB170165
78-59-1	Isophorone	230	U	1	43.8	230	ug/Kg	10/21/25 17:02	PB170165
88-75-5	2-Nitrophenol	230	U	1	77.7	230	ug/Kg	10/21/25 17:02	PB170165
105-67-9	2,4-Dimethylphenol	230	U	1	86.5	230	ug/Kg	10/21/25 17:02	PB170165
111-91-1	bis(2-Chloroethoxy)methane	230	U	1	41.1	230	ug/Kg	10/21/25 17:02	PB170165
120-83-2	2,4-Dichlorophenol	230	U	1	37.8	230	ug/Kg	10/21/25 17:02	PB170165
91-20-3	Naphthalene	230	U	1	30.3	230	ug/Kg	10/21/25 17:02	PB170165
106-47-8	4-Chloroaniline	230	U	1	47.3	230	ug/Kg	10/21/25 17:02	PB170165
87-68-3	Hexachlorobutadiene	230	U	1	33.8	230	ug/Kg	10/21/25 17:02	PB170165
105-60-2	Caprolactam	440	U	1	69.6	440	ug/Kg	10/21/25 17:02	PB170165
59-50-7	4-Chloro-3-methylphenol	230	U	1	38.3	230	ug/Kg	10/21/25 17:02	PB170165
91-57-6	2-Methylnaphthalene	230	U	1	34.2	230	ug/Kg	10/21/25 17:02	PB170165
77-47-4	Hexachlorocyclopentadiene	440	U	1	150	440	ug/Kg	10/21/25 17:02	PB170165
88-06-2	2,4,6-Trichlorophenol	230	U	1	26.4	230	ug/Kg	10/21/25 17:02	PB170165
95-95-4	2,4,5-Trichlorophenol	230	U	1	38.9	230	ug/Kg	10/21/25 17:02	PB170165
92-52-4	1,1-Biphenyl	230	U	1	29.1	230	ug/Kg	10/21/25 17:02	PB170165
91-58-7	2-Chloronaphthalene	230	U	1	30.1	230	ug/Kg	10/21/25 17:02	PB170165
88-74-4	2-Nitroaniline	230	U	1	64.2	230	ug/Kg	10/21/25 17:02	PB170165
131-11-3	Dimethylphthalate	230	U	1	36.2	230	ug/Kg	10/21/25 17:02	PB170165
208-96-8	Acenaphthylene	230	U	1	38.6	230	ug/Kg	10/21/25 17:02	PB170165
606-20-2	2,6-Dinitrotoluene	230	U	1	44.9	230	ug/Kg	10/21/25 17:02	PB170165
99-09-2	3-Nitroaniline	230	U	1	61.4	230	ug/Kg	10/21/25 17:02	PB170165
83-32-9	Acenaphthene	230	U	1	28.4	230	ug/Kg	10/21/25 17:02	PB170165
51-28-5	2,4-Dinitrophenol	440	U	1	310	440	ug/Kg	10/21/25 17:02	PB170165
100-02-7	4-Nitrophenol	440	U	1	140	440	ug/Kg	10/21/25 17:02	PB170165
132-64-9	Dibenzofuran	230	U	1	30.3	230	ug/Kg	10/21/25 17:02	PB170165
121-14-2	2,4-Dinitrotoluene	230	U	1	66.9	230	ug/Kg	10/21/25 17:02	PB170165
84-66-2	Diethylphthalate	230	U	1	37.8	230	ug/Kg	10/21/25 17:02	PB170165
7005-72-3	4-Chlorophenyl-phenylether	230	U	1	35.7	230	ug/Kg	10/21/25 17:02	PB170165
86-73-7	Fluorene	230	U	1	33.8	230	ug/Kg	10/21/25 17:02	PB170165
100-01-6	4-Nitroaniline	230	U	1	85.7	230	ug/Kg	10/21/25 17:02	PB170165
534-52-1	4,6-Dinitro-2-methylphenol	440	U	1	140	440	ug/Kg	10/21/25 17:02	PB170165

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S04-000013-20251016	SDG No.:	Q3375
Lab Sample ID:	Q3375-02	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	74.7
Sample Wt/Vol:	30.07 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	230	U	1	43.9	230	ug/Kg	10/21/25 17:02	PB170165
101-55-3	4-Bromophenyl-phenylether	230	U	1	37.1	230	ug/Kg	10/21/25 17:02	PB170165
118-74-1	Hexachlorobenzene	230	U	1	33.8	230	ug/Kg	10/21/25 17:02	PB170165
1912-24-9	Atrazine	230	U	1	45.4	230	ug/Kg	10/21/25 17:02	PB170165
87-86-5	Pentachlorophenol	440	U	1	68.5	440	ug/Kg	10/21/25 17:02	PB170165
85-01-8	Phenanthrene	230	U	1	27.9	230	ug/Kg	10/21/25 17:02	PB170165
120-12-7	Anthracene	230	U	1	44.5	230	ug/Kg	10/21/25 17:02	PB170165
86-74-8	Carbazole	230	U	1	41.7	230	ug/Kg	10/21/25 17:02	PB170165
84-74-2	Di-n-butylphthalate	230	U	1	64.0	230	ug/Kg	10/21/25 17:02	PB170165
206-44-0	Fluoranthene	230	U	1	40.1	230	ug/Kg	10/21/25 17:02	PB170165
129-00-0	Pyrene	230	U	1	48.1	230	ug/Kg	10/21/25 17:02	PB170165
85-68-7	Butylbenzylphthalate	230	U	1	95.4	230	ug/Kg	10/21/25 17:02	PB170165
91-94-1	3,3-Dichlorobenzidine	440	U	1	49.0	440	ug/Kg	10/21/25 17:02	PB170165
56-55-3	Benzo(a)anthracene	230	U	1	30.7	230	ug/Kg	10/21/25 17:02	PB170165
218-01-9	Chrysene	230	U	1	26.6	230	ug/Kg	10/21/25 17:02	PB170165
117-81-7	Bis(2-ethylhexyl)phthalate	230	U	1	79.1	230	ug/Kg	10/21/25 17:02	PB170165
117-84-0	Di-n-octyl phthalate	440	U	1	120	440	ug/Kg	10/21/25 17:02	PB170165
205-99-2	Benzo(b)fluoranthene	230	U	1	25.4	230	ug/Kg	10/21/25 17:02	PB170165
207-08-9	Benzo(k)fluoranthene	230	U	1	29.9	230	ug/Kg	10/21/25 17:02	PB170165
50-32-8	Benzo(a)pyrene	230	U	1	39.4	230	ug/Kg	10/21/25 17:02	PB170165
193-39-5	Indeno(1,2,3-cd)pyrene	230	U	1	38.9	230	ug/Kg	10/21/25 17:02	PB170165
53-70-3	Dibenzo(a,h)anthracene	230	U	1	36.6	230	ug/Kg	10/21/25 17:02	PB170165
191-24-2	Benzo(g,h,i)perylene	230	U	1	34.3	230	ug/Kg	10/21/25 17:02	PB170165
95-94-3	1,2,4,5-Tetrachlorobenzene	230	U	1	34.2	230	ug/Kg	10/21/25 17:02	PB170165
123-91-1	1,4-Dioxane	230	U	1	60.4	230	ug/Kg	10/21/25 17:02	PB170165
58-90-2	2,3,4,6-Tetrachlorophenol	230	U	1	36.6	230	ug/Kg	10/21/25 17:02	PB170165
SURROGATES									
367-12-4	2-Fluorophenol	87.8			18 - 112	59%	SPK: 150		
13127-88-3	Phenol-d6	85.8			15 - 107	57%	SPK: 150		
4165-60-0	Nitrobenzene-d5	61.3			18 - 107	61%	SPK: 100		
321-60-8	2-Fluorobiphenyl	61.2			20 - 109	61%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	79.9			10 - 116	53%	SPK: 150		
1718-51-0	Terphenyl-d14	44.1			10 - 105	44%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	117000							
1146-65-2	Naphthalene-d8	420000							
15067-26-2	Acenaphthene-d10	202000							
1517-22-2	Phenanthrene-d10	309000							
1719-03-5	Chrysene-d12	254000							
1520-96-3	Perylene-d12	319000							
TENTATIVE IDENTIFIED COMPOUNDS									
000119-61-9	Benzophenone	390	J			10.6	ug/Kg		
000057-10-3	n-Hexadecanoic acid	250	J			11.9	ug/Kg		

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S04-000013-20251016	SDG No.:	Q3375
Lab Sample ID:	Q3375-02	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	74.7
Sample Wt/Vol:	30.07 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
959218-78-1	Pentafluoropropionic acid, heptade	220	J			13.9	ug/Kg		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S05-000057-20251016	SDG No.:	Q3375
Lab Sample ID:	Q3375-03	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	66.7
Sample Wt/Vol:	30.03 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	490	U	1	230	490	ug/Kg	10/21/25 17:31	PB170165
108-95-2	Phenol	250	U	1	33.1	250	ug/Kg	10/21/25 17:31	PB170165
111-44-4	bis(2-Chloroethyl)ether	250	U	1	36.4	250	ug/Kg	10/21/25 17:31	PB170165
95-57-8	2-Chlorophenol	250	U	1	36.5	250	ug/Kg	10/21/25 17:31	PB170165
95-48-7	2-Methylphenol	250	U	1	44.8	250	ug/Kg	10/21/25 17:31	PB170165
108-60-1	2,2-oxybis(1-Chloropropane)	250	U	1	56.2	250	ug/Kg	10/21/25 17:31	PB170165
98-86-2	Acetophenone	250	U	1	44.2	250	ug/Kg	10/21/25 17:31	PB170165
65794-96-9	3+4-Methylphenols	490	U	1	61.6	490	ug/Kg	10/21/25 17:31	PB170165
621-64-7	n-Nitroso-di-n-propylamine	120	U	1	71.0	120	ug/Kg	10/21/25 17:31	PB170165
67-72-1	Hexachloroethane	250	U	1	26.4	250	ug/Kg	10/21/25 17:31	PB170165
98-95-3	Nitrobenzene	250	U	1	27.4	250	ug/Kg	10/21/25 17:31	PB170165
78-59-1	Isophorone	250	U	1	49.1	250	ug/Kg	10/21/25 17:31	PB170165
88-75-5	2-Nitrophenol	250	U	1	87.2	250	ug/Kg	10/21/25 17:31	PB170165
105-67-9	2,4-Dimethylphenol	250	U	1	97.1	250	ug/Kg	10/21/25 17:31	PB170165
111-91-1	bis(2-Chloroethoxy)methane	250	U	1	46.1	250	ug/Kg	10/21/25 17:31	PB170165
120-83-2	2,4-Dichlorophenol	250	U	1	42.4	250	ug/Kg	10/21/25 17:31	PB170165
91-20-3	Naphthalene	250	U	1	34.0	250	ug/Kg	10/21/25 17:31	PB170165
106-47-8	4-Chloroaniline	250	U	1	53.0	250	ug/Kg	10/21/25 17:31	PB170165
87-68-3	Hexachlorobutadiene	250	U	1	37.9	250	ug/Kg	10/21/25 17:31	PB170165
105-60-2	Caprolactam	490	U	1	78.0	490	ug/Kg	10/21/25 17:31	PB170165
59-50-7	4-Chloro-3-methylphenol	250	U	1	43.0	250	ug/Kg	10/21/25 17:31	PB170165
91-57-6	2-Methylnaphthalene	250	U	1	38.3	250	ug/Kg	10/21/25 17:31	PB170165
77-47-4	Hexachlorocyclopentadiene	490	U	1	170	490	ug/Kg	10/21/25 17:31	PB170165
88-06-2	2,4,6-Trichlorophenol	250	U	1	29.7	250	ug/Kg	10/21/25 17:31	PB170165
95-95-4	2,4,5-Trichlorophenol	250	U	1	43.6	250	ug/Kg	10/21/25 17:31	PB170165
92-52-4	1,1-Biphenyl	250	U	1	32.7	250	ug/Kg	10/21/25 17:31	PB170165
91-58-7	2-Chloronaphthalene	250	U	1	33.7	250	ug/Kg	10/21/25 17:31	PB170165
88-74-4	2-Nitroaniline	250	U	1	72.0	250	ug/Kg	10/21/25 17:31	PB170165
131-11-3	Dimethylphthalate	250	U	1	40.6	250	ug/Kg	10/21/25 17:31	PB170165
208-96-8	Acenaphthylene	250	U	1	43.3	250	ug/Kg	10/21/25 17:31	PB170165
606-20-2	2,6-Dinitrotoluene	250	U	1	50.3	250	ug/Kg	10/21/25 17:31	PB170165
99-09-2	3-Nitroaniline	250	U	1	68.9	250	ug/Kg	10/21/25 17:31	PB170165
83-32-9	Acenaphthene	250	U	1	31.9	250	ug/Kg	10/21/25 17:31	PB170165
51-28-5	2,4-Dinitrophenol	490	U	1	340	490	ug/Kg	10/21/25 17:31	PB170165
100-02-7	4-Nitrophenol	490	U	1	160	490	ug/Kg	10/21/25 17:31	PB170165
132-64-9	Dibenzofuran	250	U	1	34.0	250	ug/Kg	10/21/25 17:31	PB170165
121-14-2	2,4-Dinitrotoluene	250	U	1	75.0	250	ug/Kg	10/21/25 17:31	PB170165
84-66-2	Diethylphthalate	250	U	1	42.4	250	ug/Kg	10/21/25 17:31	PB170165
7005-72-3	4-Chlorophenyl-phenylether	250	U	1	40.0	250	ug/Kg	10/21/25 17:31	PB170165
86-73-7	Fluorene	250	U	1	37.9	250	ug/Kg	10/21/25 17:31	PB170165
100-01-6	4-Nitroaniline	250	U	1	96.2	250	ug/Kg	10/21/25 17:31	PB170165
534-52-1	4,6-Dinitro-2-methylphenol	490	U	1	150	490	ug/Kg	10/21/25 17:31	PB170165

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S05-000057-20251016	SDG No.:	Q3375
Lab Sample ID:	Q3375-03	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	66.7
Sample Wt/Vol:	30.03 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	250	U	1	49.3	250	ug/Kg	10/21/25 17:31	PB170165
101-55-3	4-Bromophenyl-phenylether	250	U	1	41.6	250	ug/Kg	10/21/25 17:31	PB170165
118-74-1	Hexachlorobenzene	250	U	1	37.9	250	ug/Kg	10/21/25 17:31	PB170165
1912-24-9	Atrazine	250	U	1	50.9	250	ug/Kg	10/21/25 17:31	PB170165
87-86-5	Pentachlorophenol	490	U	1	76.8	490	ug/Kg	10/21/25 17:31	PB170165
85-01-8	Phenanthrene	250	U	1	31.3	250	ug/Kg	10/21/25 17:31	PB170165
120-12-7	Anthracene	250	U	1	49.9	250	ug/Kg	10/21/25 17:31	PB170165
86-74-8	Carbazole	250	U	1	46.7	250	ug/Kg	10/21/25 17:31	PB170165
84-74-2	Di-n-butylphthalate	250	U	1	71.7	250	ug/Kg	10/21/25 17:31	PB170165
206-44-0	Fluoranthene	250	U	1	44.9	250	ug/Kg	10/21/25 17:31	PB170165
129-00-0	Pyrene	250	U	1	53.9	250	ug/Kg	10/21/25 17:31	PB170165
85-68-7	Butylbenzylphthalate	250	U	1	110	250	ug/Kg	10/21/25 17:31	PB170165
91-94-1	3,3-Dichlorobenzidine	490	U	1	55.0	490	ug/Kg	10/21/25 17:31	PB170165
56-55-3	Benzo(a)anthracene	250	U	1	34.4	250	ug/Kg	10/21/25 17:31	PB170165
218-01-9	Chrysene	250	U	1	29.8	250	ug/Kg	10/21/25 17:31	PB170165
117-81-7	Bis(2-ethylhexyl)phthalate	250	U	1	88.7	250	ug/Kg	10/21/25 17:31	PB170165
117-84-0	Di-n-octyl phthalate	490	U	1	130	490	ug/Kg	10/21/25 17:31	PB170165
205-99-2	Benzo(b)fluoranthene	250	U	1	28.5	250	ug/Kg	10/21/25 17:31	PB170165
207-08-9	Benzo(k)fluoranthene	250	U	1	33.5	250	ug/Kg	10/21/25 17:31	PB170165
50-32-8	Benzo(a)pyrene	250	U	1	44.2	250	ug/Kg	10/21/25 17:31	PB170165
193-39-5	Indeno(1,2,3-cd)pyrene	250	U	1	43.6	250	ug/Kg	10/21/25 17:31	PB170165
53-70-3	Dibenzo(a,h)anthracene	250	U	1	41.0	250	ug/Kg	10/21/25 17:31	PB170165
191-24-2	Benzo(g,h,i)perylene	250	U	1	38.5	250	ug/Kg	10/21/25 17:31	PB170165
95-94-3	1,2,4,5-Tetrachlorobenzene	250	U	1	38.3	250	ug/Kg	10/21/25 17:31	PB170165
123-91-1	1,4-Dioxane	250	U	1	67.7	250	ug/Kg	10/21/25 17:31	PB170165
58-90-2	2,3,4,6-Tetrachlorophenol	250	U	1	41.0	250	ug/Kg	10/21/25 17:31	PB170165
SURROGATES									
367-12-4	2-Fluorophenol	59.8			18 - 112	40%	SPK: 150		
13127-88-3	Phenol-d6	57.6			15 - 107	38%	SPK: 150		
4165-60-0	Nitrobenzene-d5	40.5			18 - 107	40%	SPK: 100		
321-60-8	2-Fluorobiphenyl	36.8			20 - 109	37%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	47.6			10 - 116	32%	SPK: 150		
1718-51-0	Terphenyl-d14	23.4			10 - 105	23%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	112000							
1146-65-2	Naphthalene-d8	395000							
15067-26-2	Acenaphthene-d10	187000							
1517-22-2	Phenanthrene-d10	280000							
1719-03-5	Chrysene-d12	258000							
1520-96-3	Perylene-d12	325000							
TENTATIVE IDENTIFIED COMPOUNDS									
000119-61-9	Benzophenone	220	J			10.6	ug/Kg		

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S05-000057-20251016	SDG No.:	Q3375
Lab Sample ID:	Q3375-03	Matrix:	SOIL
Analytical Method:	8270E	Level : LOW	% Solid: 66.7
Sample Wt/Vol:	30.03 g	Final Vol: 1000 uL	Test: SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date: 10/20/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

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

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S02-010074-20251016	SDG No.:	Q3375
Lab Sample ID:	Q3375-04	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	55.3
Sample Wt/Vol:	30.01 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	600	U	1	280	600	ug/Kg	10/21/25 18:01	PB170165
108-95-2	Phenol	310	U	1	40.0	310	ug/Kg	10/21/25 18:01	PB170165
111-44-4	bis(2-Chloroethyl)ether	310	U	1	43.9	310	ug/Kg	10/21/25 18:01	PB170165
95-57-8	2-Chlorophenol	310	U	1	44.1	310	ug/Kg	10/21/25 18:01	PB170165
95-48-7	2-Methylphenol	310	U	1	54.1	310	ug/Kg	10/21/25 18:01	PB170165
108-60-1	2,2-oxybis(1-Chloropropane)	310	U	1	67.8	310	ug/Kg	10/21/25 18:01	PB170165
98-86-2	Acetophenone	310	U	1	53.3	310	ug/Kg	10/21/25 18:01	PB170165
65794-96-9	3+4-Methylphenols	600	U	1	74.3	600	ug/Kg	10/21/25 18:01	PB170165
621-64-7	n-Nitroso-di-n-propylamine	140	U	1	85.7	140	ug/Kg	10/21/25 18:01	PB170165
67-72-1	Hexachloroethane	310	U	1	31.8	310	ug/Kg	10/21/25 18:01	PB170165
98-95-3	Nitrobenzene	310	U	1	33.1	310	ug/Kg	10/21/25 18:01	PB170165
78-59-1	Isophorone	310	U	1	59.3	310	ug/Kg	10/21/25 18:01	PB170165
88-75-5	2-Nitrophenol	310	U	1	110	310	ug/Kg	10/21/25 18:01	PB170165
105-67-9	2,4-Dimethylphenol	310	U	1	120	310	ug/Kg	10/21/25 18:01	PB170165
111-91-1	bis(2-Chloroethoxy)methane	310	U	1	55.7	310	ug/Kg	10/21/25 18:01	PB170165
120-83-2	2,4-Dichlorophenol	310	U	1	51.2	310	ug/Kg	10/21/25 18:01	PB170165
91-20-3	Naphthalene	310	U	1	41.0	310	ug/Kg	10/21/25 18:01	PB170165
106-47-8	4-Chloroaniline	310	U	1	64.0	310	ug/Kg	10/21/25 18:01	PB170165
87-68-3	Hexachlorobutadiene	310	U	1	45.7	310	ug/Kg	10/21/25 18:01	PB170165
105-60-2	Caprolactam	600	U	1	94.2	600	ug/Kg	10/21/25 18:01	PB170165
59-50-7	4-Chloro-3-methylphenol	310	U	1	51.9	310	ug/Kg	10/21/25 18:01	PB170165
91-57-6	2-Methylnaphthalene	310	U	1	46.3	310	ug/Kg	10/21/25 18:01	PB170165
77-47-4	Hexachlorocyclopentadiene	600	U	1	210	600	ug/Kg	10/21/25 18:01	PB170165
88-06-2	2,4,6-Trichlorophenol	310	U	1	35.8	310	ug/Kg	10/21/25 18:01	PB170165
95-95-4	2,4,5-Trichlorophenol	310	U	1	52.6	310	ug/Kg	10/21/25 18:01	PB170165
92-52-4	1,1-Biphenyl	310	U	1	39.4	310	ug/Kg	10/21/25 18:01	PB170165
91-58-7	2-Chloronaphthalene	310	U	1	40.7	310	ug/Kg	10/21/25 18:01	PB170165
88-74-4	2-Nitroaniline	310	U	1	87.0	310	ug/Kg	10/21/25 18:01	PB170165
131-11-3	Dimethylphthalate	310	U	1	49.0	310	ug/Kg	10/21/25 18:01	PB170165
208-96-8	Acenaphthylene	310	U	1	52.2	310	ug/Kg	10/21/25 18:01	PB170165
606-20-2	2,6-Dinitrotoluene	310	U	1	60.7	310	ug/Kg	10/21/25 18:01	PB170165
99-09-2	3-Nitroaniline	310	U	1	83.2	310	ug/Kg	10/21/25 18:01	PB170165
83-32-9	Acenaphthene	310	U	1	38.5	310	ug/Kg	10/21/25 18:01	PB170165
51-28-5	2,4-Dinitrophenol	600	U	1	410	600	ug/Kg	10/21/25 18:01	PB170165
100-02-7	4-Nitrophenol	600	U	1	190	600	ug/Kg	10/21/25 18:01	PB170165
132-64-9	Dibenzofuran	310	U	1	41.0	310	ug/Kg	10/21/25 18:01	PB170165
121-14-2	2,4-Dinitrotoluene	310	U	1	90.6	310	ug/Kg	10/21/25 18:01	PB170165
84-66-2	Diethylphthalate	310	U	1	51.2	310	ug/Kg	10/21/25 18:01	PB170165
7005-72-3	4-Chlorophenyl-phenylether	310	U	1	48.3	310	ug/Kg	10/21/25 18:01	PB170165
86-73-7	Fluorene	310	U	1	45.7	310	ug/Kg	10/21/25 18:01	PB170165
100-01-6	4-Nitroaniline	310	U	1	120	310	ug/Kg	10/21/25 18:01	PB170165
534-52-1	4,6-Dinitro-2-methylphenol	600	U	1	190	600	ug/Kg	10/21/25 18:01	PB170165

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S02-010074-20251016	SDG No.:	Q3375
Lab Sample ID:	Q3375-04	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	55.3
Sample Wt/Vol:	30.01 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	310	U	1	59.5	310	ug/Kg	10/21/25 18:01	PB170165
101-55-3	4-Bromophenyl-phenylether	310	U	1	50.3	310	ug/Kg	10/21/25 18:01	PB170165
118-74-1	Hexachlorobenzene	310	U	1	45.7	310	ug/Kg	10/21/25 18:01	PB170165
1912-24-9	Atrazine	310	U	1	61.5	310	ug/Kg	10/21/25 18:01	PB170165
87-86-5	Pentachlorophenol	600	U	1	92.7	600	ug/Kg	10/21/25 18:01	PB170165
85-01-8	Phenanthrene	310	U	1	37.8	310	ug/Kg	10/21/25 18:01	PB170165
120-12-7	Anthracene	310	U	1	60.2	310	ug/Kg	10/21/25 18:01	PB170165
86-74-8	Carbazole	310	U	1	56.4	310	ug/Kg	10/21/25 18:01	PB170165
84-74-2	Di-n-butylphthalate	310	U	1	86.6	310	ug/Kg	10/21/25 18:01	PB170165
206-44-0	Fluoranthene	310	U	1	54.2	310	ug/Kg	10/21/25 18:01	PB170165
129-00-0	Pyrene	310	U	1	65.1	310	ug/Kg	10/21/25 18:01	PB170165
85-68-7	Butylbenzylphthalate	310	U	1	130	310	ug/Kg	10/21/25 18:01	PB170165
91-94-1	3,3-Dichlorobenzidine	600	U	1	66.3	600	ug/Kg	10/21/25 18:01	PB170165
56-55-3	Benzo(a)anthracene	310	U	1	41.6	310	ug/Kg	10/21/25 18:01	PB170165
218-01-9	Chrysene	310	U	1	36.0	310	ug/Kg	10/21/25 18:01	PB170165
117-81-7	Bis(2-ethylhexyl)phthalate	310	U	1	110	310	ug/Kg	10/21/25 18:01	PB170165
117-84-0	Di-n-octyl phthalate	600	U	1	160	600	ug/Kg	10/21/25 18:01	PB170165
205-99-2	Benzo(b)fluoranthene	310	U	1	34.3	310	ug/Kg	10/21/25 18:01	PB170165
207-08-9	Benzo(k)fluoranthene	310	U	1	40.5	310	ug/Kg	10/21/25 18:01	PB170165
50-32-8	Benzo(a)pyrene	130	J	1	53.3	310	ug/Kg	10/21/25 18:01	PB170165
193-39-5	Indeno(1,2,3-cd)pyrene	310	U	1	52.6	310	ug/Kg	10/21/25 18:01	PB170165
53-70-3	Dibenzo(a,h)anthracene	310	U	1	49.5	310	ug/Kg	10/21/25 18:01	PB170165
191-24-2	Benzo(g,h,i)perylene	310	U	1	46.5	310	ug/Kg	10/21/25 18:01	PB170165
95-94-3	1,2,4,5-Tetrachlorobenzene	310	U	1	46.3	310	ug/Kg	10/21/25 18:01	PB170165
123-91-1	1,4-Dioxane	310	U	1	81.7	310	ug/Kg	10/21/25 18:01	PB170165
58-90-2	2,3,4,6-Tetrachlorophenol	310	U	1	49.5	310	ug/Kg	10/21/25 18:01	PB170165
SURROGATES									
367-12-4	2-Fluorophenol	84.6			18 - 112	56%	SPK: 150		
13127-88-3	Phenol-d6	82.3			15 - 107	55%	SPK: 150		
4165-60-0	Nitrobenzene-d5	57.6			18 - 107	58%	SPK: 100		
321-60-8	2-Fluorobiphenyl	50.7			20 - 109	51%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	72.6			10 - 116	48%	SPK: 150		
1718-51-0	Terphenyl-d14	35.4			10 - 105	35%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	115000							
1146-65-2	Naphthalene-d8	413000							
15067-26-2	Acenaphthene-d10	191000							
1517-22-2	Phenanthrene-d10	290000							
1719-03-5	Chrysene-d12	267000							
1520-96-3	Perylene-d12	332000							
TENTATIVE IDENTIFIED COMPOUNDS									
017301-23-4	Undecane, 2,6-dimethyl-	140	J			8.22	ug/Kg		
074645-98-0	Dodecane, 2,7,10-trimethyl-	170	J			9.18	ug/Kg		

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S02-010074-20251016	SDG No.:	Q3375
Lab Sample ID:	Q3375-04	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	55.3
Sample Wt/Vol:	30.01 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
000119-61-9	Benzophenone	460	J			10.6	ug/Kg		
000629-50-5	Tridecane	180	J			11.3	ug/Kg		
000638-53-9	Tridecanoic acid	330	J			11.9	ug/Kg		
015594-90-8	1-Heneicosanol	270	J			13.9	ug/Kg		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-DP02-074099-20251016	SDG No.:	Q3375
Lab Sample ID:	Q3375-05	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	66.7
Sample Wt/Vol:	30.04 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	490	U	1	230	490	ug/Kg	10/21/25 18:30	PB170165
108-95-2	Phenol	250	U	1	33.1	250	ug/Kg	10/21/25 18:30	PB170165
111-44-4	bis(2-Chloroethyl)ether	250	U	1	36.4	250	ug/Kg	10/21/25 18:30	PB170165
95-57-8	2-Chlorophenol	250	U	1	36.5	250	ug/Kg	10/21/25 18:30	PB170165
95-48-7	2-Methylphenol	250	U	1	44.8	250	ug/Kg	10/21/25 18:30	PB170165
108-60-1	2,2-oxybis(1-Chloropropane)	250	U	1	56.1	250	ug/Kg	10/21/25 18:30	PB170165
98-86-2	Acetophenone	250	U	1	44.2	250	ug/Kg	10/21/25 18:30	PB170165
65794-96-9	3+4-Methylphenols	490	U	1	61.5	490	ug/Kg	10/21/25 18:30	PB170165
621-64-7	n-Nitroso-di-n-propylamine	120	U	1	71.0	120	ug/Kg	10/21/25 18:30	PB170165
67-72-1	Hexachloroethane	250	U	1	26.4	250	ug/Kg	10/21/25 18:30	PB170165
98-95-3	Nitrobenzene	250	U	1	27.4	250	ug/Kg	10/21/25 18:30	PB170165
78-59-1	Isophorone	250	U	1	49.1	250	ug/Kg	10/21/25 18:30	PB170165
88-75-5	2-Nitrophenol	250	U	1	87.1	250	ug/Kg	10/21/25 18:30	PB170165
105-67-9	2,4-Dimethylphenol	250	U	1	97.0	250	ug/Kg	10/21/25 18:30	PB170165
111-91-1	bis(2-Chloroethoxy)methane	250	U	1	46.1	250	ug/Kg	10/21/25 18:30	PB170165
120-83-2	2,4-Dichlorophenol	250	U	1	42.4	250	ug/Kg	10/21/25 18:30	PB170165
91-20-3	Naphthalene	250	U	1	34.0	250	ug/Kg	10/21/25 18:30	PB170165
106-47-8	4-Chloroaniline	250	U	1	53.0	250	ug/Kg	10/21/25 18:30	PB170165
87-68-3	Hexachlorobutadiene	250	U	1	37.9	250	ug/Kg	10/21/25 18:30	PB170165
105-60-2	Caprolactam	490	U	1	78.0	490	ug/Kg	10/21/25 18:30	PB170165
59-50-7	4-Chloro-3-methylphenol	250	U	1	43.0	250	ug/Kg	10/21/25 18:30	PB170165
91-57-6	2-Methylnaphthalene	250	U	1	38.3	250	ug/Kg	10/21/25 18:30	PB170165
77-47-4	Hexachlorocyclopentadiene	490	U	1	170	490	ug/Kg	10/21/25 18:30	PB170165
88-06-2	2,4,6-Trichlorophenol	250	U	1	29.6	250	ug/Kg	10/21/25 18:30	PB170165
95-95-4	2,4,5-Trichlorophenol	250	U	1	43.6	250	ug/Kg	10/21/25 18:30	PB170165
92-52-4	1,1-Biphenyl	250	U	1	32.6	250	ug/Kg	10/21/25 18:30	PB170165
91-58-7	2-Chloronaphthalene	250	U	1	33.7	250	ug/Kg	10/21/25 18:30	PB170165
88-74-4	2-Nitroaniline	250	U	1	72.0	250	ug/Kg	10/21/25 18:30	PB170165
131-11-3	Dimethylphthalate	250	U	1	40.6	250	ug/Kg	10/21/25 18:30	PB170165
208-96-8	Acenaphthylene	250	U	1	43.3	250	ug/Kg	10/21/25 18:30	PB170165
606-20-2	2,6-Dinitrotoluene	250	U	1	50.3	250	ug/Kg	10/21/25 18:30	PB170165
99-09-2	3-Nitroaniline	250	U	1	68.9	250	ug/Kg	10/21/25 18:30	PB170165
83-32-9	Acenaphthene	250	U	1	31.9	250	ug/Kg	10/21/25 18:30	PB170165
51-28-5	2,4-Dinitrophenol	490	U	1	340	490	ug/Kg	10/21/25 18:30	PB170165
100-02-7	4-Nitrophenol	490	U	1	160	490	ug/Kg	10/21/25 18:30	PB170165
132-64-9	Dibenzofuran	250	U	1	34.0	250	ug/Kg	10/21/25 18:30	PB170165
121-14-2	2,4-Dinitrotoluene	250	U	1	75.0	250	ug/Kg	10/21/25 18:30	PB170165
84-66-2	Diethylphthalate	250	U	1	42.4	250	ug/Kg	10/21/25 18:30	PB170165
7005-72-3	4-Chlorophenyl-phenylether	250	U	1	40.0	250	ug/Kg	10/21/25 18:30	PB170165
86-73-7	Fluorene	250	U	1	37.9	250	ug/Kg	10/21/25 18:30	PB170165
100-01-6	4-Nitroaniline	250	U	1	96.1	250	ug/Kg	10/21/25 18:30	PB170165
534-52-1	4,6-Dinitro-2-methylphenol	490	U	1	150	490	ug/Kg	10/21/25 18:30	PB170165

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-DP02-074099-20251016	SDG No.:	Q3375
Lab Sample ID:	Q3375-05	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	66.7
Sample Wt/Vol:	30.04 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	250	U	1	49.3	250	ug/Kg	10/21/25 18:30	PB170165
101-55-3	4-Bromophenyl-phenylether	250	U	1	41.6	250	ug/Kg	10/21/25 18:30	PB170165
118-74-1	Hexachlorobenzene	250	U	1	37.9	250	ug/Kg	10/21/25 18:30	PB170165
1912-24-9	Atrazine	250	U	1	50.9	250	ug/Kg	10/21/25 18:30	PB170165
87-86-5	Pentachlorophenol	490	U	1	76.8	490	ug/Kg	10/21/25 18:30	PB170165
85-01-8	Phenanthrene	99.8	J	1	31.3	250	ug/Kg	10/21/25 18:30	PB170165
120-12-7	Anthracene	250	U	1	49.9	250	ug/Kg	10/21/25 18:30	PB170165
86-74-8	Carbazole	250	U	1	46.7	250	ug/Kg	10/21/25 18:30	PB170165
84-74-2	Di-n-butylphthalate	250	U	1	71.7	250	ug/Kg	10/21/25 18:30	PB170165
206-44-0	Fluoranthene	160	J	1	44.9	250	ug/Kg	10/21/25 18:30	PB170165
129-00-0	Pyrene	250	U	1	53.9	250	ug/Kg	10/21/25 18:30	PB170165
85-68-7	Butylbenzylphthalate	250	U	1	110	250	ug/Kg	10/21/25 18:30	PB170165
91-94-1	3,3-Dichlorobenzidine	490	U	1	54.9	490	ug/Kg	10/21/25 18:30	PB170165
56-55-3	Benzo(a)anthracene	250	U	1	34.4	250	ug/Kg	10/21/25 18:30	PB170165
218-01-9	Chrysene	250	U	1	29.8	250	ug/Kg	10/21/25 18:30	PB170165
117-81-7	Bis(2-ethylhexyl)phthalate	130	J	1	88.6	250	ug/Kg	10/21/25 18:30	PB170165
117-84-0	Di-n-octyl phthalate	490	U	1	130	490	ug/Kg	10/21/25 18:30	PB170165
205-99-2	Benzo(b)fluoranthene	250	U	1	28.4	250	ug/Kg	10/21/25 18:30	PB170165
207-08-9	Benzo(k)fluoranthene	250	U	1	33.5	250	ug/Kg	10/21/25 18:30	PB170165
50-32-8	Benzo(a)pyrene	250	U	1	44.2	250	ug/Kg	10/21/25 18:30	PB170165
193-39-5	Indeno(1,2,3-cd)pyrene	250	U	1	43.6	250	ug/Kg	10/21/25 18:30	PB170165
53-70-3	Dibenzo(a,h)anthracene	250	U	1	41.0	250	ug/Kg	10/21/25 18:30	PB170165
191-24-2	Benzo(g,h,i)perylene	250	U	1	38.5	250	ug/Kg	10/21/25 18:30	PB170165
95-94-3	1,2,4,5-Tetrachlorobenzene	250	U	1	38.3	250	ug/Kg	10/21/25 18:30	PB170165
123-91-1	1,4-Dioxane	250	U	1	67.7	250	ug/Kg	10/21/25 18:30	PB170165
58-90-2	2,3,4,6-Tetrachlorophenol	250	U	1	41.0	250	ug/Kg	10/21/25 18:30	PB170165
SURROGATES									
367-12-4	2-Fluorophenol	82.9			18 - 112	55%	SPK: 150		
13127-88-3	Phenol-d6	78.6			15 - 107	52%	SPK: 150		
4165-60-0	Nitrobenzene-d5	57.5			18 - 107	57%	SPK: 100		
321-60-8	2-Fluorobiphenyl	50.3			20 - 109	50%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	70.8			10 - 116	47%	SPK: 150		
1718-51-0	Terphenyl-d14	35.0			10 - 105	35%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	117000							
1146-65-2	Naphthalene-d8	418000							
15067-26-2	Acenaphthene-d10	205000							
1517-22-2	Phenanthrene-d10	300000							
1719-03-5	Chrysene-d12	263000							
1520-96-3	Perylene-d12	321000							
TENTATIVE IDENTIFIED COMPOUNDS									
000119-61-9	Benzophenone	300	J			10.6	ug/Kg		
000057-10-3	n-Hexadecanoic acid	280	J			11.9	ug/Kg		

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Report of Analysis

Client:	AECOM	Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-DP02-074099-20251016	SDG No.:	Q3375
Lab Sample ID:	Q3375-05	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	66.7
Sample Wt/Vol:	30.04 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
000295-48-7	Cyclopentadecane	150	J			13.9	ug/Kg		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

QC SUMMARY

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Surrogate Summary

SW-846

SDG No.: Q3375

Client: AECOM

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB170165BL	PB170165BL	2-Fluorophenol	150	143	95		18	112
		Phenol-d6	150	133	89		15	107
		Nitrobenzene-d5	100	96.4	96		18	107
		2-Fluorobiphenyl	100	96.2	96		20	109
		2,4,6-Tribromophenol	150	158	105		10	116
		Terphenyl-d14	100	103	103		10	105
PB170165BS	PB170165BS	2-Fluorophenol	150	109	73		18	112
		Phenol-d6	150	125	84		15	107
		Nitrobenzene-d5	100	83.5	84		18	107
		2-Fluorobiphenyl	100	82.8	83		20	109
		2,4,6-Tribromophenol	150	135	90		10	116
		Terphenyl-d14	100	86.2	86		10	105
Q3375-01	PR132-S02-074099-20251016	2-Fluorophenol	150	67.8	45		18	112
		Phenol-d6	150	65.1	43		15	107
		Nitrobenzene-d5	100	43.7	44		18	107
		2-Fluorobiphenyl	100	38.6	39		20	109
		2,4,6-Tribromophenol	150	57.6	38		10	116
		Terphenyl-d14	100	28.1	28		10	105
Q3375-02	PR132-S04-000013-20251016	2-Fluorophenol	150	87.8	59		18	112
		Phenol-d6	150	85.8	57		15	107
		Nitrobenzene-d5	100	61.3	61		18	107
		2-Fluorobiphenyl	100	61.2	61		20	109
		2,4,6-Tribromophenol	150	79.9	53		10	116
		Terphenyl-d14	100	44.1	44		10	105
Q3375-03	PR132-S05-000057-20251016	2-Fluorophenol	150	59.8	40		18	112
		Phenol-d6	150	57.6	38		15	107
		Nitrobenzene-d5	100	40.5	40		18	107
		2-Fluorobiphenyl	100	36.8	37		20	109
		2,4,6-Tribromophenol	150	47.6	32		10	116
		Terphenyl-d14	100	23.4	23		10	105
Q3375-04	PR132-S02-010074-20251016	2-Fluorophenol	150	84.6	56		18	112
		Phenol-d6	150	82.3	55		15	107
		Nitrobenzene-d5	100	57.6	58		18	107
		2-Fluorobiphenyl	100	50.7	51		20	109
		2,4,6-Tribromophenol	150	72.6	48		10	116
		Terphenyl-d14	100	35.4	35		10	105
Q3375-05	PR132-DP02-074099-20251016	2-Fluorophenol	150	82.9	55		18	112
		Phenol-d6	150	78.6	52		15	107
		Nitrobenzene-d5	100	57.5	57		18	107
		2-Fluorobiphenyl	100	50.3	50		20	109
		2,4,6-Tribromophenol	150	70.8	47		10	116
		Terphenyl-d14	100	35.0	35		10	105
Q3381-03MS	VNJ-245MS	2-Fluorophenol	150	67.4	45		18	112
		Phenol-d6	150	68.3	46		15	107
		Nitrobenzene-d5	100	46.1	46		18	107
		2-Fluorobiphenyl	100	32.4	32		20	109
		2,4,6-Tribromophenol	150	59.5	40		10	116
		Terphenyl-d14	100	35.4	35		10	105
Q3381-03MSD	VNJ-245MSD	2-Fluorophenol	150	67.2	45		18	112
		Phenol-d6	150	68.8	46		15	107
		Nitrobenzene-d5	100	46.4	46		18	107

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Surrogate Summary

SW-846

SDG No.: Q3375

Client: AECOM

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q3381-03MSD	VNJ-245MSD	2-Fluorobiphenyl	100	32.2	32		20	109
		2,4,6-Tribromophenol	150	55.9	37		10	116
		Terphenyl-d14	100	32.9	33		10	105

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3375 **Analytical Method:** SW8270E

Client: AECOM **DataFile:** BF144000.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q3381-03MS		**Client Sample ID: VNJ-245MS**									
Benzaldehyde	1200	0	650	ug/Kg	54				10	171	
Phenol	1200	0	1100	ug/Kg	92				51	122	
bis(2-Chloroethyl)ether	1200	0	1100	ug/Kg	92				54	125	
2-Chlorophenol	1200	0	1100	ug/Kg	92				51	121	
2-Methylphenol	1200	0	1100	ug/Kg	92				47	125	
2,2-oxybis(1-Chloropropane)	1200	0	1100	ug/Kg	92				46	119	
Acetophenone	1200	0	1200	ug/Kg	100				55	128	
3+4-Methylphenols	1200	0	1100	ug/Kg	92				49	125	
N-Nitroso-di-n-propylamine	1200	0	1000	ug/Kg	83				59	119	
Hexachloroethane	1200	0	1100	ug/Kg	92				51	116	
Nitrobenzene	1200	0	1200	ug/Kg	100				47	124	
Isophorone	1200	0	1100	ug/Kg	92				49	127	
2-Nitrophenol	1200	0	1300	ug/Kg	108				43	131	
2,4-Dimethylphenol	1200	0	1200	ug/Kg	100				63	151	
bis(2-Chloroethoxy)methane	1200	0	1100	ug/Kg	92				51	119	
2,4-Dichlorophenol	1200	0	1100	ug/Kg	92				50	122	
Naphthalene	1200	0	1100	ug/Kg	92				51	121	
4-Chloroaniline	1200	0	540	ug/Kg	45				10	100	
Hexachlorobutadiene	1200	0	1100	ug/Kg	92				44	126	
Caprolactam	1200	0	1100	ug/Kg	92				51	134	
4-Chloro-3-methylphenol	1200	0	1100	ug/Kg	92				57	132	
2-Methylnaphthalene	1200	0	1000	ug/Kg	83				59	123	
Hexachlorocyclopentadiene	2400	0	2400	ug/Kg	100				10	175	
2,4,6-Trichlorophenol	1200	0	1100	ug/Kg	92				33	141	
2,4,5-Trichlorophenol	1200	0	1100	ug/Kg	92				38	135	
1,1-Biphenyl	1200	0	1300	ug/Kg	108				55	131	
2-Chloronaphthalene	1200	0	1100	ug/Kg	92				48	124	
2-Nitroaniline	1200	0	1200	ug/Kg	100				47	134	
Dimethylphthalate	1200	0	1100	ug/Kg	92				54	120	
Acenaphthylene	1200	0	1300	ug/Kg	108				57	125	
2,6-Dinitrotoluene	1200	0	1300	ug/Kg	108				48	127	
3-Nitroaniline	1200	0	780	ug/Kg	65				10	112	
Acenaphthene	1200	0	1100	ug/Kg	92				70	121	
2,4-Dinitrophenol	2400	0	1400	ug/Kg	58				10	155	
4-Nitrophenol	2400	0	2100	ug/Kg	88				10	175	
Dibenzofuran	1200	0	1100	ug/Kg	92				52	114	
2,4-Dinitrotoluene	1200	0	1300	ug/Kg	108				41	140	
Diethylphthalate	1200	0	1100	ug/Kg	92				51	119	
4-Chlorophenyl-phenylether	1200	0	1100	ug/Kg	92				48	122	
Fluorene	1200	0	1200	ug/Kg	100				53	118	
4-Nitroaniline	1200	0	1100	ug/Kg	92				29	140	
4,6-Dinitro-2-methylphenol	1200	0	1100	ug/Kg	92				10	160	
N-Nitrosodiphenylamine	1200	0	1200	ug/Kg	100				73	118	
4-Bromophenyl-phenylether	1200	0	1200	ug/Kg	100				65	121	
Hexachlorobenzene	1200	0	1200	ug/Kg	100				67	118	
Atrazine	1200	0	1200	ug/Kg	100				45	175	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3375 **Analytical Method:** SW8270E

Client: AECOM **DataFile:** BF144000.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Pentachlorophenol	2400	0	1900	ug/Kg	79				13	153	
Phenanthrene	1200	210	1300	ug/Kg	91				52	128	
Anthracene	1200	120	1200	ug/Kg	90				62	124	
Carbazole	1200	0	1200	ug/Kg	100				59	119	
Di-n-butylphthalate	1200	0	1200	ug/Kg	100				55	125	
Fluoranthene	1200	330	1400	ug/Kg	89				44	125	
Pyrene	1200	240	1200	ug/Kg	80				37	122	
Butylbenzylphthalate	1200	0	1200	ug/Kg	100				44	135	
3,3-Dichlorobenzidine	1200	0	820	ug/Kg	68				15	112	
Benzo(a)anthracene	1200	230	1500	ug/Kg	106				53	119	
Chrysene	1200	360	1400	ug/Kg	87				57	121	
bis(2-Ethylhexyl)phthalate	1200	0	1300	ug/Kg	108				42	169	
Di-n-octyl phthalate	1200	0	1500	ug/Kg	125				51	156	
Benzo(b)fluoranthene	1200	420	1400	ug/Kg	82				52	117	
Benzo(k)fluoranthene	1200	130	1100	ug/Kg	81				57	134	
Benzo(a)pyrene	1200	250	1400	ug/Kg	96				70	142	
Indeno(1,2,3-cd)pyrene	1200	120	1300	ug/Kg	98				40	129	
Dibenz(a,h)anthracene	1200	51.1	1200	ug/Kg	96				43	123	
Benzo(g,h,i)perylene	1200	130	1300	ug/Kg	98				24	125	
1,2,4,5-Tetrachlorobenzene	1200	0	1300	ug/Kg	108				52	134	
1,4-Dioxane	1200	0	1100	ug/Kg	92				46	112	
2,3,4,6-Tetrachlorophenol	1200	0	1100	ug/Kg	92				24	146	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3375 **Analytical Method:** SW8270E

Client: AECOM **DataFile:** BF144001.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q3381-03MSD		**Client Sample ID: VNJ-245MSD**									
Benzaldehyde	1200	0	660	ug/Kg	55		2		10	171	20
Phenol	1200	0	1200	ug/Kg	100		8		51	122	20
bis(2-Chloroethyl)ether	1200	0	1100	ug/Kg	92		0		54	125	20
2-Chlorophenol	1200	0	1100	ug/Kg	92		0		51	121	20
2-Methylphenol	1200	0	1100	ug/Kg	92		0		47	125	20
2,2-oxybis(1-Chloropropane)	1200	0	1100	ug/Kg	92		0		46	119	20
Acetophenone	1200	0	1200	ug/Kg	100		0		55	128	20
3+4-Methylphenols	1200	0	1100	ug/Kg	92		0		49	125	20
N-Nitroso-di-n-propylamine	1200	0	1000	ug/Kg	83		0		59	119	20
Hexachloroethane	1200	0	1100	ug/Kg	92		0		51	116	20
Nitrobenzene	1200	0	1200	ug/Kg	100		0		47	124	20
Isophorone	1200	0	1100	ug/Kg	92		0		49	127	20
2-Nitrophenol	1200	0	1300	ug/Kg	108		0		43	131	20
2,4-Dimethylphenol	1200	0	1200	ug/Kg	100		0		63	151	20
bis(2-Chloroethoxy)methane	1200	0	1100	ug/Kg	92		0		51	119	20
2,4-Dichlorophenol	1200	0	1100	ug/Kg	92		0		50	122	20
Naphthalene	1200	0	1100	ug/Kg	92		0		51	121	20
4-Chloroaniline	1200	0	480	ug/Kg	40		12		10	100	20
Hexachlorobutadiene	1200	0	1100	ug/Kg	92		0		44	126	20
Caprolactam	1200	0	1100	ug/Kg	92		0		51	134	20
4-Chloro-3-methylphenol	1200	0	1100	ug/Kg	92		0		57	132	20
2-Methylnaphthalene	1200	0	1000	ug/Kg	83		0		59	123	20
Hexachlorocyclopentadiene	2500	0	2400	ug/Kg	96		4		10	175	20
2,4,6-Trichlorophenol	1200	0	1100	ug/Kg	92		0		33	141	20
2,4,5-Trichlorophenol	1200	0	1100	ug/Kg	92		0		38	135	20
1,1-Biphenyl	1200	0	1300	ug/Kg	108		0		55	131	20
2-Chloronaphthalene	1200	0	1100	ug/Kg	92		0		48	124	20
2-Nitroaniline	1200	0	1200	ug/Kg	100		0		47	134	20
Dimethylphthalate	1200	0	1100	ug/Kg	92		0		54	120	20
Acenaphthylene	1200	0	1300	ug/Kg	108		0		57	125	20
2,6-Dinitrotoluene	1200	0	1300	ug/Kg	108		0		48	127	20
3-Nitroaniline	1200	0	720	ug/Kg	60		8		10	112	20
Acenaphthene	1200	0	1200	ug/Kg	100		8		70	121	20
2,4-Dinitrophenol	2500	0	1500	ug/Kg	60		3		10	155	20
4-Nitrophenol	2500	0	2000	ug/Kg	80		10		10	175	20
Dibenzofuran	1200	0	1100	ug/Kg	92		0		52	114	20
2,4-Dinitrotoluene	1200	0	1300	ug/Kg	108		0		41	140	20
Diethylphthalate	1200	0	1100	ug/Kg	92		0		51	119	20
4-Chlorophenyl-phenylether	1200	0	1100	ug/Kg	92		0		48	122	20
Fluorene	1200	0	1100	ug/Kg	92		8		53	118	20
4-Nitroaniline	1200	0	1000	ug/Kg	83		10		29	140	20
4,6-Dinitro-2-methylphenol	1200	0	1100	ug/Kg	92		0		10	160	20
N-Nitrosodiphenylamine	1200	0	1300	ug/Kg	108		8		73	118	20
4-Bromophenyl-phenylether	1200	0	1200	ug/Kg	100		0		65	121	20
Hexachlorobenzene	1200	0	1200	ug/Kg	100		0		67	118	20
Atrazine	1200	0	1200	ug/Kg	100		0		45	175	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3375 **Analytical Method:** SW8270E

Client: AECOM **DataFile:** BF144001.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	2500	0	1900	ug/Kg	76		4		13	153	20
Phenanthrene	1200	210	1300	ug/Kg	91		0		52	128	20
Anthracene	1200	120	1200	ug/Kg	90		0		62	124	20
Carbazole	1200	0	1200	ug/Kg	100		0		59	119	20
Di-n-butylphthalate	1200	0	1100	ug/Kg	92		8		55	125	20
Fluoranthene	1200	330	1300	ug/Kg	81		9		44	125	20
Pyrene	1200	240	1100	ug/Kg	72		11		37	122	20
Butylbenzylphthalate	1200	0	1100	ug/Kg	92		8		44	135	20
3,3-Dichlorobenzidine	1200	0	810	ug/Kg	68		0		15	112	20
Benzo(a)anthracene	1200	230	1400	ug/Kg	98		8		53	119	20
Chrysene	1200	360	1400	ug/Kg	87		0		57	121	20
bis(2-Ethylhexyl)phthalate	1200	0	1200	ug/Kg	100		8		42	169	20
Di-n-octyl phthalate	1200	0	1400	ug/Kg	117		7		51	156	20
Benzo(b)fluoranthene	1200	420	1400	ug/Kg	82		0		52	117	20
Benzo(k)fluoranthene	1200	130	1200	ug/Kg	89		9		57	134	20
Benzo(a)pyrene	1200	250	1400	ug/Kg	96		0		70	142	20
Indeno(1,2,3-cd)pyrene	1200	120	1300	ug/Kg	98		0		40	129	20
Dibenz(a,h)anthracene	1200	51.1	1200	ug/Kg	96		0		43	123	20
Benzo(g,h,i)perylene	1200	130	1300	ug/Kg	98		0		24	125	20
1,2,4,5-Tetrachlorobenzene	1200	0	1200	ug/Kg	100		8		52	134	20
1,4-Dioxane	1200	0	1100	ug/Kg	92		0		46	112	20
2,3,4,6-Tetrachlorophenol	1200	0	1100	ug/Kg	92		0		24	146	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3375 **Analytical Method:** 8270E

Client: AECOM **DataFile:** BG064549.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB170165BS	Benzaldehyde	1700	630	ug/Kg	37				10	133	
	Phenol	1700	1500	ug/Kg	88				62	112	
	bis(2-Chloroethyl)ether	1700	1400	ug/Kg	82				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	1200	ug/Kg	71				51	100	
	Acetophenone	1700	1600	ug/Kg	94				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	1300	ug/Kg	76				72	108	
	Nitrobenzene	1700	1500	ug/Kg	88				57	101	
	Isophorone	1700	1400	ug/Kg	82				59	99	
	2-Nitrophenol	1700	1500	ug/Kg	88				61	111	
	2,4-Dimethylphenol	1700	1700	ug/Kg	100				46	141	
	bis(2-Chloroethoxy)methane	1700	1500	ug/Kg	88				66	97	
	2,4-Dichlorophenol	1700	1600	ug/Kg	94				62	107	
	Naphthalene	1700	1500	ug/Kg	88				62	100	
	4-Chloroaniline	1700	900	ug/Kg	53				16	100	
	Hexachlorobutadiene	1700	1600	ug/Kg	94				53	98	
	Caprolactam	1700	1500	ug/Kg	88				67	110	
	4-Chloro-3-methylphenol	1700	1600	ug/Kg	94				58	112	
	2-Methylnaphthalene	1700	1300	ug/Kg	76				60	104	
	Hexachlorocyclopentadiene	3300	4200	ug/Kg	127				45	165	
	2,4,6-Trichlorophenol	1700	1500	ug/Kg	88				59	102	
	2,4,5-Trichlorophenol	1700	1600	ug/Kg	94				61	98	
	1,1-Biphenyl	1700	1600	ug/Kg	94				57	103	
	2-Chloronaphthalene	1700	1400	ug/Kg	82				58	99	
	2-Nitroaniline	1700	1500	ug/Kg	88				66	101	
	Dimethylphthalate	1700	1500	ug/Kg	88				61	99	
	Acenaphthylene	1700	1700	ug/Kg	100				63	101	
	2,6-Dinitrotoluene	1700	1600	ug/Kg	94				61	104	
	3-Nitroaniline	1700	1100	ug/Kg	65				28	100	
	Acenaphthene	1700	1500	ug/Kg	88				57	104	
	2,4-Dinitrophenol	3300	2600	ug/Kg	79				37	128	
	4-Nitrophenol	3300	2900	ug/Kg	88				48	119	
	Dibenzofuran	1700	1500	ug/Kg	88				63	99	
	2,4-Dinitrotoluene	1700	1600	ug/Kg	94				60	106	
	Diethylphthalate	1700	1500	ug/Kg	88				60	101	
	4-Chlorophenyl-phenylether	1700	1500	ug/Kg	88				58	98	
	Fluorene	1700	1600	ug/Kg	94				61	101	
	4-Nitroaniline	1700	1500	ug/Kg	88				64	103	
	4,6-Dinitro-2-methylphenol	1700	1600	ug/Kg	94				76	113	
	N-Nitrosodiphenylamine	1700	1600	ug/Kg	94				71	99	
	4-Bromophenyl-phenylether	1700	1500	ug/Kg	88				66	102	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3375 **Analytical Method:** 8270E

Client: AECOM **DataFile:** BG064549.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB170165BS	Hexachlorobenzene	1700	1600	ug/Kg	94				64	98	
	Atrazine	1700	1600	ug/Kg	94				47	152	
	Pentachlorophenol	3300	3200	ug/Kg	97				67	105	
	Phenanthrene	1700	1500	ug/Kg	88				59	103	
	Anthracene	1700	1600	ug/Kg	94				61	105	
	Carbazole	1700	1600	ug/Kg	94				61	99	
	Di-n-butylphthalate	1700	1500	ug/Kg	88				58	104	
	Fluoranthene	1700	1500	ug/Kg	88				57	107	
	Pyrene	1700	1400	ug/Kg	82				59	103	
	Butylbenzylphthalate	1700	1500	ug/Kg	88				55	103	
	3,3-Dichlorobenzidine	1700	1100	ug/Kg	65				42	91	
	Benzo(a)anthracene	1700	1500	ug/Kg	88				60	102	
	Chrysene	1700	1500	ug/Kg	88				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1500	ug/Kg	88				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	1600	ug/Kg	94				63	101	
	Dibenz(a,h)anthracene	1700	1600	ug/Kg	94				61	112	
	Benzo(g,h,i)perylene	1700	1600	ug/Kg	94				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1600	ug/Kg	94				53	101	
	1,4-Dioxane	1700	990	ug/Kg	58				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1600	ug/Kg	94				59	108	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID: PB170165BL

Lab Name: Alliance | Contract: AECO02

Lab Code: ACE | SDG NO.: Q3375

Lab File ID: BG064548.D | Lab Sample ID: PB170165BL

Instrument ID: BNA_G | Date Extracted: 10/20/2025

Matrix: (soil/water) SOIL | Date Analyzed: 10/20/2025

Level: (low/med) LOW | Time Analyzed: 13:44

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB170165BS	PB170165BS	BG064549.D	10/20/2025
VNJ-245MS	Q3381-03MS	BF144000.D	10/20/2025
VNJ-245MSD	Q3381-03MSD	BF144001.D	10/20/2025
PR132-S02-074099-20251016	Q3375-01	BF144015.D	10/21/2025
PR132-S04-000013-20251016	Q3375-02	BF144016.D	10/21/2025
PR132-S05-000057-20251016	Q3375-03	BF144017.D	10/21/2025
PR132-S02-010074-20251016	Q3375-04	BF144018.D	10/21/2025
PR132-DP02-074099-20251016	Q3375-05	BF144019.D	10/21/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3375

Lab File ID: BF143874.D DFTPP Injection Date: 10/06/2025

Instrument ID: BNA_F 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	0.2
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

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3375

Lab File ID: BF143996.D DFTPP Injection Date: 10/20/2025

Instrument ID: BNA_F DFTPP Injection Time: 12:02

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.3 (1.3) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (0.8) 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	6.8
365	Greater than 1% of mass 198	4.5
441	Present, but less than mass 443	82.5
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	BF143997.D	10/20/2025	13:28
VNJ-245MS	Q3381-03MS	BF144000.D	10/20/2025	15:57
VNJ-245MSD	Q3381-03MSD	BF144001.D	10/20/2025	16:27

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance | Contract: AECO02

Lab Code: ACE | SDG NO.: Q3375

Lab File ID: BF144008.D | DFTPP Injection Date: 10/21/2025

Instrument ID: BNA_F | DFTPP Injection Time: 12:43

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 (0.5) 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
365	Greater than 1% of mass 198	7.0
441	Present, but less than mass 443	3.6
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	BF144009.D	10/21/2025	13:29
PR132-S02-074099-20251016	Q3375-01	BF144015.D	10/21/2025	16:32
PR132-S04-000013-20251016	Q3375-02	BF144016.D	10/21/2025	17:02
PR132-S05-000057-20251016	Q3375-03	BF144017.D	10/21/2025	17:31
PR132-S02-010074-20251016	Q3375-04	BF144018.D	10/21/2025	18:01
PR132-DP02-074099-20251016	Q3375-05	BF144019.D	10/21/2025	18:30

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3375

Lab File ID: BG064472.D DFTPP Injection Date: 10/02/2025

Instrument ID: BNA_G DFTPP Injection Time: 08:21

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.3 (1.1) 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	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
365	Greater than 1% of mass 198	7.1
441	Present, but less than mass 443	86.2
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.5 (19.5) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BG064473.D	10/02/2025	09:01
SSTDICC005	SSTDICC005	BG064474.D	10/02/2025	09:42
SSTDICC020	SSTDICC020	BG064476.D	10/02/2025	11:33
SSTDICCC040	SSTDICCC040	BG064477.D	10/02/2025	12:14
SSTDICC050	SSTDICC050	BG064478.D	10/02/2025	12:55
SSTDICC060	SSTDICC060	BG064479.D	10/02/2025	13:35
SSTDICC080	SSTDICC080	BG064480.D	10/02/2025	14:16
SSTDICC010	SSTDICC010	BG064481.D	10/02/2025	15:49

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3375

Lab File ID: BG064546.D DFTPP Injection Date: 10/20/2025

Instrument ID: BNA_G DFTPP Injection Time: 12:03

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.3 (0.9) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.1 (0.3) 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	6.5
365	Greater than 1% of mass 198	7.0
441	Present, but less than mass 443	23.8
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.3 (19.3) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BG064547.D	10/20/2025	12:44
PB170165BL	PB170165BL	BG064548.D	10/20/2025	13:44
PB170165BS	PB170165BS	BG064549.D	10/20/2025	14:25

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3375

Client ID : SSTDCCC040 Date Analyzed: 10/20/2025

Lab File ID: BF143997.D Time Analyzed: 13:28

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	108923	6.881	424804	8.16	230266	9.92
	UPPER LIMIT	217846	7.381	849608	8.663	460532	10.422
	LOWER LIMIT	54461.5	6.381	212402	7.663	115133	9.422
	EPA SAMPLE NO.						
01	VNJ-245MS	103333	6.88	382013	8.16	200713	9.92
02	VNJ-245MSD	100371	6.88	371973	8.16	192676	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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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3375

Client ID: SSTDCCC040 Date Analyzed: 10/20/2025

Lab File ID: BF143997.D Time Analyzed: 13:28

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	385198	11.416	224376	14.063	212318	15.545
	UPPER LIMIT	770396	11.916	448752	14.563	424636	16.045
	LOWER LIMIT	192599	10.916	112188	13.563	106159	15.045
	EPA SAMPLE NO.						
01	VNJ-245MS	318387	11.42	223763	14.06	294781	15.55
02	VNJ-245MSD	292615	11.41	212179	14.06	285074	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.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3375

Client ID : SSTDCCC040 Date Analyzed: 10/21/2025

Lab File ID: BF144009.D Time Analyzed: 13:29

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	126907	6.881	483648	8.16	263342	9.92
	UPPER LIMIT	253814	7.381	967296	8.663	526684	10.422
	LOWER LIMIT	63453.5	6.381	241824	7.663	131671	9.422
	EPA SAMPLE NO.						
01	PR132-S02-074099-20251016	109716	6.88	402386	8.16	203476	9.92
02	PR132-S04-000013-20251016	116615	6.88	420206	8.16	202155	9.92
03	PR132-S05-000057-20251016	111644	6.88	395479	8.16	186629	9.92
04	PR132-S02-010074-20251016	114769	6.88	412633	8.16	190672	9.92
05	PR132-DP02-074099-20251016	116635	6.88	418260	8.16	205210	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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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3375

Client ID: SSTDCCC040 Date Analyzed: 10/21/2025

Lab File ID: BF144009.D Time Analyzed: 13:29

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	430811	11.416	235758	14.063	243917	15.545
	UPPER LIMIT	861622	11.916	471516	14.563	487834	16.045
	LOWER LIMIT	215406	10.916	117879	13.563	121959	15.045
	EPA SAMPLE NO.						
01	PR132-S02-074099-20251016	318797	11.41	282059	14.06	335097	15.55
02	PR132-S04-000013-20251016	308753	11.41	254161	14.06	318784	15.55
03	PR132-S05-000057-20251016	279883	11.41	258346	14.06	324753	15.55
04	PR132-S02-010074-20251016	289518	11.41	267469	14.06	332355	15.55
05	PR132-DP02-074099-20251016	299829	11.41	262654	14.06	320945	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.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3375

Client ID : SSTDCCC040 Date Analyzed: 10/20/2025

Lab File ID: BG064547.D Time Analyzed: 12:44

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	12980	7.817	58801	10.61	45965	14.44
	UPPER LIMIT	25960	8.317	117602	11.107	91930	14.944
	LOWER LIMIT	6490	7.317	29400.5	10.107	22982.5	13.944
	EPA SAMPLE NO.						
01	PB170165BL	14412	7.81	55177	10.60	43937	14.45
02	PB170165BS	13636	7.82	56148	10.61	44549	14.45

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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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3375

Client ID: SSTDCCC040 Date Analyzed: 10/20/2025

Lab File ID: BG064547.D Time Analyzed: 12:44

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	112639	17.188	113403	21.418	125032	24.403
	UPPER LIMIT	225278	17.688	226806	21.918	250064	24.903
	LOWER LIMIT	56319.5	16.688	56701.5	20.918	62516	23.903
	EPA SAMPLE NO.						
01	PB170165BL	117288	17.19	124365	21.41	134795	24.41
02	PB170165BS	109767	17.19	115066	21.42	122784	24.41

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

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Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	PB170165BL	SDG No.:	Q3375
Lab Sample ID:	PB170165BL	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: 10/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	330	U	1	160	330	ug/Kg	10/20/25 13:44	PB170165
108-95-2	Phenol	170	U	1	22.1	170	ug/Kg	10/20/25 13:44	PB170165
111-44-4	bis(2-Chloroethyl)ether	170	U	1	24.3	170	ug/Kg	10/20/25 13:44	PB170165
95-57-8	2-Chlorophenol	170	U	1	24.4	170	ug/Kg	10/20/25 13:44	PB170165
95-48-7	2-Methylphenol	170	U	1	29.9	170	ug/Kg	10/20/25 13:44	PB170165
108-60-1	2,2-oxybis(1-Chloropropane)	170	U	1	37.5	170	ug/Kg	10/20/25 13:44	PB170165
98-86-2	Acetophenone	170	U	1	29.5	170	ug/Kg	10/20/25 13:44	PB170165
65794-96-9	3+4-Methylphenols	330	U	1	41.1	330	ug/Kg	10/20/25 13:44	PB170165
621-64-7	n-Nitroso-di-n-propylamine	79.9	U	1	47.4	79.9	ug/Kg	10/20/25 13:44	PB170165
67-72-1	Hexachloroethane	170	U	1	17.6	170	ug/Kg	10/20/25 13:44	PB170165
98-95-3	Nitrobenzene	170	U	1	18.3	170	ug/Kg	10/20/25 13:44	PB170165
78-59-1	Isophorone	170	U	1	32.8	170	ug/Kg	10/20/25 13:44	PB170165
88-75-5	2-Nitrophenol	170	U	1	58.2	170	ug/Kg	10/20/25 13:44	PB170165
105-67-9	2,4-Dimethylphenol	170	U	1	64.8	170	ug/Kg	10/20/25 13:44	PB170165
111-91-1	bis(2-Chloroethoxy)methane	170	U	1	30.8	170	ug/Kg	10/20/25 13:44	PB170165
120-83-2	2,4-Dichlorophenol	170	U	1	28.3	170	ug/Kg	10/20/25 13:44	PB170165
91-20-3	Naphthalene	170	U	1	22.7	170	ug/Kg	10/20/25 13:44	PB170165
106-47-8	4-Chloroaniline	170	U	1	35.4	170	ug/Kg	10/20/25 13:44	PB170165
87-68-3	Hexachlorobutadiene	170	U	1	25.3	170	ug/Kg	10/20/25 13:44	PB170165
105-60-2	Caprolactam	330	U	1	52.1	330	ug/Kg	10/20/25 13:44	PB170165
59-50-7	4-Chloro-3-methylphenol	170	U	1	28.7	170	ug/Kg	10/20/25 13:44	PB170165
91-57-6	2-Methylnaphthalene	170	U	1	25.6	170	ug/Kg	10/20/25 13:44	PB170165
77-47-4	Hexachlorocyclopentadiene	330	U	1	120	330	ug/Kg	10/20/25 13:44	PB170165
88-06-2	2,4,6-Trichlorophenol	170	U	1	19.8	170	ug/Kg	10/20/25 13:44	PB170165
95-95-4	2,4,5-Trichlorophenol	170	U	1	29.1	170	ug/Kg	10/20/25 13:44	PB170165
92-52-4	1,1-Biphenyl	170	U	1	21.8	170	ug/Kg	10/20/25 13:44	PB170165
91-58-7	2-Chloronaphthalene	170	U	1	22.5	170	ug/Kg	10/20/25 13:44	PB170165
88-74-4	2-Nitroaniline	170	U	1	48.1	170	ug/Kg	10/20/25 13:44	PB170165
131-11-3	Dimethylphthalate	170	U	1	27.1	170	ug/Kg	10/20/25 13:44	PB170165
208-96-8	Acenaphthylene	170	U	1	28.9	170	ug/Kg	10/20/25 13:44	PB170165
606-20-2	2,6-Dinitrotoluene	170	U	1	33.6	170	ug/Kg	10/20/25 13:44	PB170165
99-09-2	3-Nitroaniline	170	U	1	46.0	170	ug/Kg	10/20/25 13:44	PB170165
83-32-9	Acenaphthene	170	U	1	21.3	170	ug/Kg	10/20/25 13:44	PB170165
51-28-5	2,4-Dinitrophenol	330	U	1	230	330	ug/Kg	10/20/25 13:44	PB170165
100-02-7	4-Nitrophenol	330	U	1	110	330	ug/Kg	10/20/25 13:44	PB170165
132-64-9	Dibenzofuran	170	U	1	22.7	170	ug/Kg	10/20/25 13:44	PB170165
121-14-2	2,4-Dinitrotoluene	170	U	1	50.1	170	ug/Kg	10/20/25 13:44	PB170165
84-66-2	Diethylphthalate	170	U	1	28.3	170	ug/Kg	10/20/25 13:44	PB170165
7005-72-3	4-Chlorophenyl-phenylether	170	U	1	26.7	170	ug/Kg	10/20/25 13:44	PB170165
86-73-7	Fluorene	170	U	1	25.3	170	ug/Kg	10/20/25 13:44	PB170165
100-01-6	4-Nitroaniline	170	U	1	64.2	170	ug/Kg	10/20/25 13:44	PB170165
534-52-1	4,6-Dinitro-2-methylphenol	330	U	1	100	330	ug/Kg	10/20/25 13:44	PB170165

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Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	PB170165BL	SDG No.:	Q3375
Lab Sample ID:	PB170165BL	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: 10/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	170	U	1	32.9	170	ug/Kg	10/20/25 13:44	PB170165
101-55-3	4-Bromophenyl-phenylether	170	U	1	27.8	170	ug/Kg	10/20/25 13:44	PB170165
118-74-1	Hexachlorobenzene	170	U	1	25.3	170	ug/Kg	10/20/25 13:44	PB170165
1912-24-9	Atrazine	170	U	1	34.0	170	ug/Kg	10/20/25 13:44	PB170165
87-86-5	Pentachlorophenol	330	U	1	51.3	330	ug/Kg	10/20/25 13:44	PB170165
85-01-8	Phenanthrene	170	U	1	20.9	170	ug/Kg	10/20/25 13:44	PB170165
120-12-7	Anthracene	170	U	1	33.3	170	ug/Kg	10/20/25 13:44	PB170165
86-74-8	Carbazole	170	U	1	31.2	170	ug/Kg	10/20/25 13:44	PB170165
84-74-2	Di-n-butylphthalate	170	U	1	47.9	170	ug/Kg	10/20/25 13:44	PB170165
206-44-0	Fluoranthene	170	U	1	30.0	170	ug/Kg	10/20/25 13:44	PB170165
129-00-0	Pyrene	170	U	1	36.0	170	ug/Kg	10/20/25 13:44	PB170165
85-68-7	Butylbenzylphthalate	170	U	1	71.4	170	ug/Kg	10/20/25 13:44	PB170165
91-94-1	3,3-Dichlorobenzidine	330	U	1	36.7	330	ug/Kg	10/20/25 13:44	PB170165
56-55-3	Benzo(a)anthracene	170	U	1	23.0	170	ug/Kg	10/20/25 13:44	PB170165
218-01-9	Chrysene	170	U	1	19.9	170	ug/Kg	10/20/25 13:44	PB170165
117-81-7	Bis(2-ethylhexyl)phthalate	170	U	1	59.2	170	ug/Kg	10/20/25 13:44	PB170165
117-84-0	Di-n-octyl phthalate	330	U	1	86.7	330	ug/Kg	10/20/25 13:44	PB170165
205-99-2	Benzo(b)fluoranthene	170	U	1	19.0	170	ug/Kg	10/20/25 13:44	PB170165
207-08-9	Benzo(k)fluoranthene	170	U	1	22.4	170	ug/Kg	10/20/25 13:44	PB170165
50-32-8	Benzo(a)pyrene	170	U	1	29.5	170	ug/Kg	10/20/25 13:44	PB170165
193-39-5	Indeno(1,2,3-cd)pyrene	170	U	1	29.1	170	ug/Kg	10/20/25 13:44	PB170165
53-70-3	Dibenzo(a,h)anthracene	170	U	1	27.4	170	ug/Kg	10/20/25 13:44	PB170165
191-24-2	Benzo(g,h,i)perylene	170	U	1	25.7	170	ug/Kg	10/20/25 13:44	PB170165
95-94-3	1,2,4,5-Tetrachlorobenzene	170	U	1	25.6	170	ug/Kg	10/20/25 13:44	PB170165
123-91-1	1,4-Dioxane	170	U	1	45.2	170	ug/Kg	10/20/25 13:44	PB170165
58-90-2	2,3,4,6-Tetrachlorophenol	170	U	1	27.4	170	ug/Kg	10/20/25 13:44	PB170165
SURROGATES									
367-12-4	2-Fluorophenol	143			18 - 112	95%	SPK: 150		
13127-88-3	Phenol-d6	133			15 - 107	89%	SPK: 150		
4165-60-0	Nitrobenzene-d5	96.4			18 - 107	96%	SPK: 100		
321-60-8	2-Fluorobiphenyl	96.2			20 - 109	96%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	158			10 - 116	105%	SPK: 150		
1718-51-0	Terphenyl-d14	103			10 - 105	103%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	14400							
1146-65-2	Naphthalene-d8	55200							
15067-26-2	Acenaphthene-d10	43900							
1517-22-2	Phenanthrene-d10	117000							
1719-03-5	Chrysene-d12	124000							
1520-96-3	Perylene-d12	135000							

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Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	PB170165BL	SDG No.:	Q3375
Lab Sample ID:	PB170165BL	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: 10/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

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

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Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	PB170165BS	SDG No.:	Q3375
Lab Sample ID:	PB170165BS	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	100
Sample Wt/Vol:	30.03 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	630		1	160	330	ug/Kg	10/20/25 14:25	PB170165
108-95-2	Phenol	1500		1	22.1	170	ug/Kg	10/20/25 14:25	PB170165
111-44-4	bis(2-Chloroethyl)ether	1400		1	24.3	170	ug/Kg	10/20/25 14:25	PB170165
95-57-8	2-Chlorophenol	1500		1	24.4	170	ug/Kg	10/20/25 14:25	PB170165
95-48-7	2-Methylphenol	1500		1	29.9	170	ug/Kg	10/20/25 14:25	PB170165
108-60-1	2,2-oxybis(1-Chloropropane)	1200		1	37.5	170	ug/Kg	10/20/25 14:25	PB170165
98-86-2	Acetophenone	1600		1	29.5	170	ug/Kg	10/20/25 14:25	PB170165
65794-96-9	3+4-Methylphenols	1500		1	41.1	330	ug/Kg	10/20/25 14:25	PB170165
621-64-7	n-Nitroso-di-n-propylamine	1400		1	47.4	79.9	ug/Kg	10/20/25 14:25	PB170165
67-72-1	Hexachloroethane	1300		1	17.6	170	ug/Kg	10/20/25 14:25	PB170165
98-95-3	Nitrobenzene	1500		1	18.3	170	ug/Kg	10/20/25 14:25	PB170165
78-59-1	Isophorone	1400		1	32.8	170	ug/Kg	10/20/25 14:25	PB170165
88-75-5	2-Nitrophenol	1500		1	58.1	170	ug/Kg	10/20/25 14:25	PB170165
105-67-9	2,4-Dimethylphenol	1700		1	64.7	170	ug/Kg	10/20/25 14:25	PB170165
111-91-1	bis(2-Chloroethoxy)methane	1500		1	30.8	170	ug/Kg	10/20/25 14:25	PB170165
120-83-2	2,4-Dichlorophenol	1600		1	28.3	170	ug/Kg	10/20/25 14:25	PB170165
91-20-3	Naphthalene	1500		1	22.7	170	ug/Kg	10/20/25 14:25	PB170165
106-47-8	4-Chloroaniline	900		1	35.4	170	ug/Kg	10/20/25 14:25	PB170165
87-68-3	Hexachlorobutadiene	1600		1	25.3	170	ug/Kg	10/20/25 14:25	PB170165
105-60-2	Caprolactam	1500		1	52.0	330	ug/Kg	10/20/25 14:25	PB170165
59-50-7	4-Chloro-3-methylphenol	1600		1	28.7	170	ug/Kg	10/20/25 14:25	PB170165
91-57-6	2-Methylnaphthalene	1300		1	25.6	170	ug/Kg	10/20/25 14:25	PB170165
77-47-4	Hexachlorocyclopentadiene	4200	E	1	120	330	ug/Kg	10/20/25 14:25	PB170165
88-06-2	2,4,6-Trichlorophenol	1500		1	19.8	170	ug/Kg	10/20/25 14:25	PB170165
95-95-4	2,4,5-Trichlorophenol	1600		1	29.1	170	ug/Kg	10/20/25 14:25	PB170165
92-52-4	1,1-Biphenyl	1600		1	21.8	170	ug/Kg	10/20/25 14:25	PB170165
91-58-7	2-Chloronaphthalene	1400		1	22.5	170	ug/Kg	10/20/25 14:25	PB170165
88-74-4	2-Nitroaniline	1500		1	48.1	170	ug/Kg	10/20/25 14:25	PB170165
131-11-3	Dimethylphthalate	1500		1	27.1	170	ug/Kg	10/20/25 14:25	PB170165
208-96-8	Acenaphthylene	1700		1	28.9	170	ug/Kg	10/20/25 14:25	PB170165
606-20-2	2,6-Dinitrotoluene	1600		1	33.6	170	ug/Kg	10/20/25 14:25	PB170165
99-09-2	3-Nitroaniline	1100		1	46.0	170	ug/Kg	10/20/25 14:25	PB170165
83-32-9	Acenaphthene	1500		1	21.3	170	ug/Kg	10/20/25 14:25	PB170165
51-28-5	2,4-Dinitrophenol	2600		1	230	330	ug/Kg	10/20/25 14:25	PB170165
100-02-7	4-Nitrophenol	2900	E	1	110	330	ug/Kg	10/20/25 14:25	PB170165
132-64-9	Dibenzofuran	1500		1	22.7	170	ug/Kg	10/20/25 14:25	PB170165
121-14-2	2,4-Dinitrotoluene	1600		1	50.0	170	ug/Kg	10/20/25 14:25	PB170165
84-66-2	Diethylphthalate	1500		1	28.3	170	ug/Kg	10/20/25 14:25	PB170165
7005-72-3	4-Chlorophenyl-phenylether	1500		1	26.7	170	ug/Kg	10/20/25 14:25	PB170165
86-73-7	Fluorene	1600		1	25.3	170	ug/Kg	10/20/25 14:25	PB170165
100-01-6	4-Nitroaniline	1500		1	64.1	170	ug/Kg	10/20/25 14:25	PB170165
534-52-1	4,6-Dinitro-2-methylphenol	1600		1	100	330	ug/Kg	10/20/25 14:25	PB170165

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Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	PB170165BS	SDG No.:	Q3375
Lab Sample ID:	PB170165BS	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	100
Sample Wt/Vol:	30.03 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	1600		1	32.9	170	ug/Kg	10/20/25 14:25	PB170165
101-55-3	4-Bromophenyl-phenylether	1500		1	27.8	170	ug/Kg	10/20/25 14:25	PB170165
118-74-1	Hexachlorobenzene	1600		1	25.3	170	ug/Kg	10/20/25 14:25	PB170165
1912-24-9	Atrazine	1600		1	34.0	170	ug/Kg	10/20/25 14:25	PB170165
87-86-5	Pentachlorophenol	3200	E	1	51.2	330	ug/Kg	10/20/25 14:25	PB170165
85-01-8	Phenanthrene	1500		1	20.9	170	ug/Kg	10/20/25 14:25	PB170165
120-12-7	Anthracene	1600		1	33.3	170	ug/Kg	10/20/25 14:25	PB170165
86-74-8	Carbazole	1600		1	31.2	170	ug/Kg	10/20/25 14:25	PB170165
84-74-2	Di-n-butylphthalate	1500		1	47.9	170	ug/Kg	10/20/25 14:25	PB170165
206-44-0	Fluoranthene	1500		1	30.0	170	ug/Kg	10/20/25 14:25	PB170165
129-00-0	Pyrene	1400		1	36.0	170	ug/Kg	10/20/25 14:25	PB170165
85-68-7	Butylbenzylphthalate	1500		1	71.3	170	ug/Kg	10/20/25 14:25	PB170165
91-94-1	3,3-Dichlorobenzidine	1100		1	36.7	330	ug/Kg	10/20/25 14:25	PB170165
56-55-3	Benzo(a)anthracene	1500		1	23.0	170	ug/Kg	10/20/25 14:25	PB170165
218-01-9	Chrysene	1500		1	19.9	170	ug/Kg	10/20/25 14:25	PB170165
117-81-7	Bis(2-ethylhexyl)phthalate	1500		1	59.1	170	ug/Kg	10/20/25 14:25	PB170165
117-84-0	Di-n-octyl phthalate	1500		1	86.7	330	ug/Kg	10/20/25 14:25	PB170165
205-99-2	Benzo(b)fluoranthene	1600		1	19.0	170	ug/Kg	10/20/25 14:25	PB170165
207-08-9	Benzo(k)fluoranthene	1500		1	22.4	170	ug/Kg	10/20/25 14:25	PB170165
50-32-8	Benzo(a)pyrene	1600		1	29.5	170	ug/Kg	10/20/25 14:25	PB170165
193-39-5	Indeno(1,2,3-cd)pyrene	1600		1	29.1	170	ug/Kg	10/20/25 14:25	PB170165
53-70-3	Dibenzo(a,h)anthracene	1600		1	27.4	170	ug/Kg	10/20/25 14:25	PB170165
191-24-2	Benzo(g,h,i)perylene	1600		1	25.7	170	ug/Kg	10/20/25 14:25	PB170165
95-94-3	1,2,4,5-Tetrachlorobenzene	1600		1	25.6	170	ug/Kg	10/20/25 14:25	PB170165
123-91-1	1,4-Dioxane	990		1	45.2	170	ug/Kg	10/20/25 14:25	PB170165
58-90-2	2,3,4,6-Tetrachlorophenol	1600		1	27.4	170	ug/Kg	10/20/25 14:25	PB170165
SURROGATES									
367-12-4	2-Fluorophenol	109			18 - 112	73%	SPK: 150		
13127-88-3	Phenol-d6	125			15 - 107	84%	SPK: 150		
4165-60-0	Nitrobenzene-d5	83.5			18 - 107	84%	SPK: 100		
321-60-8	2-Fluorobiphenyl	82.8			20 - 109	83%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	135			10 - 116	90%	SPK: 150		
1718-51-0	Terphenyl-d14	86.2			10 - 105	86%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	13600							
1146-65-2	Naphthalene-d8	56100							
15067-26-2	Acenaphthene-d10	44500							
1517-22-2	Phenanthrene-d10	110000							
1719-03-5	Chrysene-d12	115000							
1520-96-3	Perylene-d12	123000							

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Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	PB170165BS	SDG No.:	Q3375
Lab Sample ID:	PB170165BS	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	100
Sample Wt/Vol:	30.03 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

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

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Report of Analysis

Client:	AECOM	Date Collected:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/17/25
Client Sample ID:	VNJ-245MS	SDG No.:	Q3375
Lab Sample ID:	Q3381-03MS	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	81.6
Sample Wt/Vol:	50.07 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	650		1	110	240	ug/Kg	10/20/25 15:57	PB170165
108-95-2	Phenol	1100		1	16.2	120	ug/Kg	10/20/25 15:57	PB170165
111-44-4	bis(2-Chloroethyl)ether	1100		1	17.8	120	ug/Kg	10/20/25 15:57	PB170165
95-57-8	2-Chlorophenol	1100		1	17.9	120	ug/Kg	10/20/25 15:57	PB170165
95-48-7	2-Methylphenol	1100		1	22.0	120	ug/Kg	10/20/25 15:57	PB170165
108-60-1	2,2-oxybis(1-Chloropropane)	1100		1	27.5	120	ug/Kg	10/20/25 15:57	PB170165
98-86-2	Acetophenone	1200		1	21.7	120	ug/Kg	10/20/25 15:57	PB170165
65794-96-9	3+4-Methylphenols	1100		1	30.2	240	ug/Kg	10/20/25 15:57	PB170165
621-64-7	n-Nitroso-di-n-propylamine	1000		1	34.8	58.7	ug/Kg	10/20/25 15:57	PB170165
67-72-1	Hexachloroethane	1100		1	12.9	120	ug/Kg	10/20/25 15:57	PB170165
98-95-3	Nitrobenzene	1200		1	13.4	120	ug/Kg	10/20/25 15:57	PB170165
78-59-1	Isophorone	1100		1	24.1	120	ug/Kg	10/20/25 15:57	PB170165
88-75-5	2-Nitrophenol	1300		1	42.7	120	ug/Kg	10/20/25 15:57	PB170165
105-67-9	2,4-Dimethylphenol	1200		1	47.6	120	ug/Kg	10/20/25 15:57	PB170165
111-91-1	bis(2-Chloroethoxy)methane	1100		1	22.6	120	ug/Kg	10/20/25 15:57	PB170165
120-83-2	2,4-Dichlorophenol	1100		1	20.8	120	ug/Kg	10/20/25 15:57	PB170165
91-20-3	Naphthalene	1100		1	16.7	120	ug/Kg	10/20/25 15:57	PB170165
106-47-8	4-Chloroaniline	540		1	26.0	120	ug/Kg	10/20/25 15:57	PB170165
87-68-3	Hexachlorobutadiene	1100		1	18.6	120	ug/Kg	10/20/25 15:57	PB170165
105-60-2	Caprolactam	1100		1	38.3	240	ug/Kg	10/20/25 15:57	PB170165
59-50-7	4-Chloro-3-methylphenol	1100		1	21.1	120	ug/Kg	10/20/25 15:57	PB170165
91-57-6	2-Methylnaphthalene	1000		1	18.8	120	ug/Kg	10/20/25 15:57	PB170165
77-47-4	Hexachlorocyclopentadiene	2400	E	1	85.2	240	ug/Kg	10/20/25 15:57	PB170165
88-06-2	2,4,6-Trichlorophenol	1100		1	14.5	120	ug/Kg	10/20/25 15:57	PB170165
95-95-4	2,4,5-Trichlorophenol	1100		1	21.4	120	ug/Kg	10/20/25 15:57	PB170165
92-52-4	1,1-Biphenyl	1300		1	16.0	120	ug/Kg	10/20/25 15:57	PB170165
91-58-7	2-Chloronaphthalene	1100		1	16.5	120	ug/Kg	10/20/25 15:57	PB170165
88-74-4	2-Nitroaniline	1200		1	35.3	120	ug/Kg	10/20/25 15:57	PB170165
131-11-3	Dimethylphthalate	1100		1	19.9	120	ug/Kg	10/20/25 15:57	PB170165
208-96-8	Acenaphthylene	1300		1	21.2	120	ug/Kg	10/20/25 15:57	PB170165
606-20-2	2,6-Dinitrotoluene	1300		1	24.7	120	ug/Kg	10/20/25 15:57	PB170165
99-09-2	3-Nitroaniline	780		1	33.8	120	ug/Kg	10/20/25 15:57	PB170165
83-32-9	Acenaphthene	1100		1	15.6	120	ug/Kg	10/20/25 15:57	PB170165
51-28-5	2,4-Dinitrophenol	1400		1	170	240	ug/Kg	10/20/25 15:57	PB170165
100-02-7	4-Nitrophenol	2100	E	1	78.6	240	ug/Kg	10/20/25 15:57	PB170165
132-64-9	Dibenzofuran	1100		1	16.7	120	ug/Kg	10/20/25 15:57	PB170165
121-14-2	2,4-Dinitrotoluene	1300		1	36.8	120	ug/Kg	10/20/25 15:57	PB170165
84-66-2	Diethylphthalate	1100		1	20.8	120	ug/Kg	10/20/25 15:57	PB170165
7005-72-3	4-Chlorophenyl-phenylether	1100		1	19.6	120	ug/Kg	10/20/25 15:57	PB170165
86-73-7	Fluorene	1200		1	18.6	120	ug/Kg	10/20/25 15:57	PB170165
100-01-6	4-Nitroaniline	1100		1	47.1	120	ug/Kg	10/20/25 15:57	PB170165
534-52-1	4,6-Dinitro-2-methylphenol	1100		1	75.6	240	ug/Kg	10/20/25 15:57	PB170165

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Report of Analysis

Client:	AECOM	Date Collected:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/17/25
Client Sample ID:	VNJ-245MS	SDG No.:	Q3375
Lab Sample ID:	Q3381-03MS	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	81.6
Sample Wt/Vol:	50.07 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	1200		1	24.2	120	ug/Kg	10/20/25 15:57	PB170165
101-55-3	4-Bromophenyl-phenylether	1200		1	20.4	120	ug/Kg	10/20/25 15:57	PB170165
118-74-1	Hexachlorobenzene	1200		1	18.6	120	ug/Kg	10/20/25 15:57	PB170165
1912-24-9	Atrazine	1200		1	25.0	120	ug/Kg	10/20/25 15:57	PB170165
87-86-5	Pentachlorophenol	1900		1	37.7	240	ug/Kg	10/20/25 15:57	PB170165
85-01-8	Phenanthrene	1300		1	15.3	120	ug/Kg	10/20/25 15:57	PB170165
120-12-7	Anthracene	1200		1	24.5	120	ug/Kg	10/20/25 15:57	PB170165
86-74-8	Carbazole	1200		1	22.9	120	ug/Kg	10/20/25 15:57	PB170165
84-74-2	Di-n-butylphthalate	1200		1	35.2	120	ug/Kg	10/20/25 15:57	PB170165
206-44-0	Fluoranthene	1400		1	22.0	120	ug/Kg	10/20/25 15:57	PB170165
129-00-0	Pyrene	1200		1	26.4	120	ug/Kg	10/20/25 15:57	PB170165
85-68-7	Butylbenzylphthalate	1200		1	52.4	120	ug/Kg	10/20/25 15:57	PB170165
91-94-1	3,3-Dichlorobenzidine	820		1	26.9	240	ug/Kg	10/20/25 15:57	PB170165
56-55-3	Benzo(a)anthracene	1500		1	16.9	120	ug/Kg	10/20/25 15:57	PB170165
218-01-9	Chrysene	1400		1	14.6	120	ug/Kg	10/20/25 15:57	PB170165
117-81-7	Bis(2-ethylhexyl)phthalate	1300		1	43.5	120	ug/Kg	10/20/25 15:57	PB170165
117-84-0	Di-n-octyl phthalate	1500		1	63.7	240	ug/Kg	10/20/25 15:57	PB170165
205-99-2	Benzo(b)fluoranthene	1400		1	14.0	120	ug/Kg	10/20/25 15:57	PB170165
207-08-9	Benzo(k)fluoranthene	1100		1	16.4	120	ug/Kg	10/20/25 15:57	PB170165
50-32-8	Benzo(a)pyrene	1400		1	21.7	120	ug/Kg	10/20/25 15:57	PB170165
193-39-5	Indeno(1,2,3-cd)pyrene	1300		1	21.4	120	ug/Kg	10/20/25 15:57	PB170165
53-70-3	Dibenzo(a,h)anthracene	1200		1	20.1	120	ug/Kg	10/20/25 15:57	PB170165
191-24-2	Benzo(g,h,i)perylene	1300		1	18.9	120	ug/Kg	10/20/25 15:57	PB170165
95-94-3	1,2,4,5-Tetrachlorobenzene	1300		1	18.8	120	ug/Kg	10/20/25 15:57	PB170165
123-91-1	1,4-Dioxane	1100		1	33.2	120	ug/Kg	10/20/25 15:57	PB170165
58-90-2	2,3,4,6-Tetrachlorophenol	1100		1	20.1	120	ug/Kg	10/20/25 15:57	PB170165
SURROGATES									
367-12-4	2-Fluorophenol	67.4			18 - 112	45%	SPK: 150		
13127-88-3	Phenol-d6	68.3			15 - 107	46%	SPK: 150		
4165-60-0	Nitrobenzene-d5	46.1			18 - 107	46%	SPK: 100		
321-60-8	2-Fluorobiphenyl	32.4			20 - 109	32%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	59.5			10 - 116	40%	SPK: 150		
1718-51-0	Terphenyl-d14	35.4			10 - 105	35%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	103000							
1146-65-2	Naphthalene-d8	382000							
15067-26-2	Acenaphthene-d10	201000							
1517-22-2	Phenanthrene-d10	318000							
1719-03-5	Chrysene-d12	224000							
1520-96-3	Perylene-d12	295000							

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Report of Analysis

Client:	AECOM	Date Collected:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/17/25
Client Sample ID:	VNJ-245MS	SDG No.:	Q3375
Lab Sample ID:	Q3381-03MS	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	81.6
Sample Wt/Vol:	50.07 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

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

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Report of Analysis

Client:	AECOM	Date Collected:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/17/25
Client Sample ID:	VNJ-245MSD	SDG No.:	Q3375
Lab Sample ID:	Q3381-03MSD	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	81.6
Sample Wt/Vol:	50.02 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	660		1	110	240	ug/Kg	10/20/25 16:27	PB170165
108-95-2	Phenol	1200		1	16.2	120	ug/Kg	10/20/25 16:27	PB170165
111-44-4	bis(2-Chloroethyl)ether	1100		1	17.9	120	ug/Kg	10/20/25 16:27	PB170165
95-57-8	2-Chlorophenol	1100		1	17.9	120	ug/Kg	10/20/25 16:27	PB170165
95-48-7	2-Methylphenol	1100		1	22.0	120	ug/Kg	10/20/25 16:27	PB170165
108-60-1	2,2-oxybis(1-Chloropropane)	1100		1	27.6	120	ug/Kg	10/20/25 16:27	PB170165
98-86-2	Acetophenone	1200		1	21.7	120	ug/Kg	10/20/25 16:27	PB170165
65794-96-9	3+4-Methylphenols	1100		1	30.2	240	ug/Kg	10/20/25 16:27	PB170165
621-64-7	n-Nitroso-di-n-propylamine	1000		1	34.8	58.8	ug/Kg	10/20/25 16:27	PB170165
67-72-1	Hexachloroethane	1100		1	12.9	120	ug/Kg	10/20/25 16:27	PB170165
98-95-3	Nitrobenzene	1200		1	13.5	120	ug/Kg	10/20/25 16:27	PB170165
78-59-1	Isophorone	1100		1	24.1	120	ug/Kg	10/20/25 16:27	PB170165
88-75-5	2-Nitrophenol	1300		1	42.8	120	ug/Kg	10/20/25 16:27	PB170165
105-67-9	2,4-Dimethylphenol	1200		1	47.6	120	ug/Kg	10/20/25 16:27	PB170165
111-91-1	bis(2-Chloroethoxy)methane	1100		1	22.6	120	ug/Kg	10/20/25 16:27	PB170165
120-83-2	2,4-Dichlorophenol	1100		1	20.8	120	ug/Kg	10/20/25 16:27	PB170165
91-20-3	Naphthalene	1100		1	16.7	120	ug/Kg	10/20/25 16:27	PB170165
106-47-8	4-Chloroaniline	480		1	26.0	120	ug/Kg	10/20/25 16:27	PB170165
87-68-3	Hexachlorobutadiene	1100		1	18.6	120	ug/Kg	10/20/25 16:27	PB170165
105-60-2	Caprolactam	1100		1	38.3	240	ug/Kg	10/20/25 16:27	PB170165
59-50-7	4-Chloro-3-methylphenol	1100		1	21.1	120	ug/Kg	10/20/25 16:27	PB170165
91-57-6	2-Methylnaphthalene	1000		1	18.8	120	ug/Kg	10/20/25 16:27	PB170165
77-47-4	Hexachlorocyclopentadiene	2400	E	1	85.3	240	ug/Kg	10/20/25 16:27	PB170165
88-06-2	2,4,6-Trichlorophenol	1100		1	14.6	120	ug/Kg	10/20/25 16:27	PB170165
95-95-4	2,4,5-Trichlorophenol	1100		1	21.4	120	ug/Kg	10/20/25 16:27	PB170165
92-52-4	1,1-Biphenyl	1300		1	16.0	120	ug/Kg	10/20/25 16:27	PB170165
91-58-7	2-Chloronaphthalene	1100		1	16.5	120	ug/Kg	10/20/25 16:27	PB170165
88-74-4	2-Nitroaniline	1200		1	35.4	120	ug/Kg	10/20/25 16:27	PB170165
131-11-3	Dimethylphthalate	1100		1	19.9	120	ug/Kg	10/20/25 16:27	PB170165
208-96-8	Acenaphthylene	1300		1	21.2	120	ug/Kg	10/20/25 16:27	PB170165
606-20-2	2,6-Dinitrotoluene	1300		1	24.7	120	ug/Kg	10/20/25 16:27	PB170165
99-09-2	3-Nitroaniline	720		1	33.8	120	ug/Kg	10/20/25 16:27	PB170165
83-32-9	Acenaphthene	1200		1	15.7	120	ug/Kg	10/20/25 16:27	PB170165
51-28-5	2,4-Dinitrophenol	1500		1	170	240	ug/Kg	10/20/25 16:27	PB170165
100-02-7	4-Nitrophenol	2000	E	1	78.6	240	ug/Kg	10/20/25 16:27	PB170165
132-64-9	Dibenzofuran	1100		1	16.7	120	ug/Kg	10/20/25 16:27	PB170165
121-14-2	2,4-Dinitrotoluene	1300		1	36.8	120	ug/Kg	10/20/25 16:27	PB170165
84-66-2	Diethylphthalate	1100		1	20.8	120	ug/Kg	10/20/25 16:27	PB170165
7005-72-3	4-Chlorophenyl-phenylether	1100		1	19.6	120	ug/Kg	10/20/25 16:27	PB170165
86-73-7	Fluorene	1100		1	18.6	120	ug/Kg	10/20/25 16:27	PB170165
100-01-6	4-Nitroaniline	1000		1	47.2	120	ug/Kg	10/20/25 16:27	PB170165
534-52-1	4,6-Dinitro-2-methylphenol	1100		1	75.7	240	ug/Kg	10/20/25 16:27	PB170165

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	AECOM	Date Collected:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/17/25
Client Sample ID:	VNJ-245MSD	SDG No.:	Q3375
Lab Sample ID:	Q3381-03MSD	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	81.6
Sample Wt/Vol:	50.02 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	1300		1	24.2	120	ug/Kg	10/20/25 16:27	PB170165
101-55-3	4-Bromophenyl-phenylether	1200		1	20.4	120	ug/Kg	10/20/25 16:27	PB170165
118-74-1	Hexachlorobenzene	1200		1	18.6	120	ug/Kg	10/20/25 16:27	PB170165
1912-24-9	Atrazine	1200		1	25.0	120	ug/Kg	10/20/25 16:27	PB170165
87-86-5	Pentachlorophenol	1900		1	37.7	240	ug/Kg	10/20/25 16:27	PB170165
85-01-8	Phenanthrene	1300		1	15.4	120	ug/Kg	10/20/25 16:27	PB170165
120-12-7	Anthracene	1200		1	24.5	120	ug/Kg	10/20/25 16:27	PB170165
86-74-8	Carbazole	1200		1	22.9	120	ug/Kg	10/20/25 16:27	PB170165
84-74-2	Di-n-butylphthalate	1100		1	35.2	120	ug/Kg	10/20/25 16:27	PB170165
206-44-0	Fluoranthene	1300		1	22.1	120	ug/Kg	10/20/25 16:27	PB170165
129-00-0	Pyrene	1100		1	26.5	120	ug/Kg	10/20/25 16:27	PB170165
85-68-7	Butylbenzylphthalate	1100		1	52.5	120	ug/Kg	10/20/25 16:27	PB170165
91-94-1	3,3-Dichlorobenzidine	810		1	27.0	240	ug/Kg	10/20/25 16:27	PB170165
56-55-3	Benzo(a)anthracene	1400		1	16.9	120	ug/Kg	10/20/25 16:27	PB170165
218-01-9	Chrysene	1400		1	14.6	120	ug/Kg	10/20/25 16:27	PB170165
117-81-7	Bis(2-ethylhexyl)phthalate	1200		1	43.5	120	ug/Kg	10/20/25 16:27	PB170165
117-84-0	Di-n-octyl phthalate	1400		1	63.8	240	ug/Kg	10/20/25 16:27	PB170165
205-99-2	Benzo(b)fluoranthene	1400		1	14.0	120	ug/Kg	10/20/25 16:27	PB170165
207-08-9	Benzo(k)fluoranthene	1200		1	16.5	120	ug/Kg	10/20/25 16:27	PB170165
50-32-8	Benzo(a)pyrene	1400		1	21.7	120	ug/Kg	10/20/25 16:27	PB170165
193-39-5	Indeno(1,2,3-cd)pyrene	1300		1	21.4	120	ug/Kg	10/20/25 16:27	PB170165
53-70-3	Dibenzo(a,h)anthracene	1200		1	20.1	120	ug/Kg	10/20/25 16:27	PB170165
191-24-2	Benzo(g,h,i)perylene	1300		1	18.9	120	ug/Kg	10/20/25 16:27	PB170165
95-94-3	1,2,4,5-Tetrachlorobenzene	1200		1	18.8	120	ug/Kg	10/20/25 16:27	PB170165
123-91-1	1,4-Dioxane	1100		1	33.2	120	ug/Kg	10/20/25 16:27	PB170165
58-90-2	2,3,4,6-Tetrachlorophenol	1100		1	20.1	120	ug/Kg	10/20/25 16:27	PB170165
SURROGATES									
367-12-4	2-Fluorophenol	67.2			18 - 112	45%	SPK: 150		
13127-88-3	Phenol-d6	68.8			15 - 107	46%	SPK: 150		
4165-60-0	Nitrobenzene-d5	46.4			18 - 107	46%	SPK: 100		
321-60-8	2-Fluorobiphenyl	32.2			20 - 109	32%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	55.9			10 - 116	37%	SPK: 150		
1718-51-0	Terphenyl-d14	32.9			10 - 105	33%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	100000							
1146-65-2	Naphthalene-d8	372000							
15067-26-2	Acenaphthene-d10	193000							
1517-22-2	Phenanthrene-d10	293000							
1719-03-5	Chrysene-d12	212000							
1520-96-3	Perylene-d12	285000							

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

Report of Analysis

Client:	AECOM	Date Collected:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/17/25
Client Sample ID:	VNJ-245MSD	SDG No.:	Q3375
Lab Sample ID:	Q3381-03MSD	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	81.6
Sample Wt/Vol:	50.02 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/20/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

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

Response Factor Report BNA_F

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 =BF1438
82.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

Response Factor Report GC/MS Ins

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG100225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Oct 02 16:40:42 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BG064473.D 5 =BG064474.D 10 =BG064481.D 20 =BG064476.D 40 =BG064477.D 50 =BG064478.D 60 =BG064479.D 80 =BG0644
80.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.530	0.412	0.447	0.438	0.398	0.386	0.381	0.427	12.10
3)		Pyridine		1.225	1.151	1.147	1.236	1.102	1.095	1.086	1.149	5.33
4)		n-Nitrosodimet...			0.854	0.790	0.863	0.833	0.843	0.814	0.833	3.24
5)	S	2-Fluorophenol		1.066	1.018	1.053	1.195	1.071	1.108	1.053	1.081	5.26
6)		Aniline		1.913	1.738	1.827	2.020	1.772	1.823	1.729	1.832	5.68
7)	S	Phenol-d6		1.395	1.373	1.446	1.631	1.434	1.496	1.391	1.452	6.12
8)		2-Chlorophenol		1.387	1.264	1.312	1.455	1.264	1.336	1.271	1.327	5.45
9)		Benzaldehyde			1.437	1.039	1.527	1.146	1.548	1.037	1.289	18.76
10)	C	Phenol		1.518	1.397	1.530	1.683	1.517	1.583	1.496	1.532	5.68
11)		bis(2-Chloroet...		1.117	0.953	1.002	1.134	1.000	1.064	0.992	1.038	6.61
12)		1,3-Dichlorobe...		1.558	1.459	1.396	1.582	1.385	1.418	1.363	1.452	5.97
13)	C	1,4-Dichlorobe...		1.506	1.435	1.452	1.581	1.421	1.421	1.383	1.457	4.57
14)		1,2-Dichlorobe...		1.583	1.389	1.434	1.533	1.377	1.399	1.335	1.436	6.24
15)		Benzyl Alcohol			1.224	1.300	1.447	1.342	1.399	1.312	1.337	5.87
16)		2,2'-oxybis(1-...		1.720	1.610	1.657	1.804	1.650	1.708	1.558	1.672	4.80
17)		2-Methylphenol		1.105	1.063	1.087	1.215	1.076	1.143	1.077	1.109	4.81
18)		Hexachloroethane		0.586	0.630	0.534	0.604	0.562	0.566	0.544	0.575	5.87
19)	P	n-Nitroso-di-n...	0.813	1.008	0.913	1.006	1.096	0.959	1.048	0.926	0.971	9.10
20)		3+4-Methylphenols			1.472	1.510	1.700	1.492	1.622	1.494	1.548	5.91
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.476	0.450	0.477	0.516	0.491	0.495	0.486	0.484	4.21
23)	S	Nitrobenzene-d5		0.360	0.352	0.378	0.396	0.369	0.381	0.369	0.372	3.84
24)		Nitrobenzene		0.403	0.348	0.352	0.395	0.364	0.377	0.358	0.371	5.73
25)		Isophorone		0.672	0.654	0.674	0.721	0.660	0.686	0.650	0.674	3.59
26)	C	2-Nitrophenol		0.197	0.169	0.181	0.192	0.185	0.188	0.181	0.185	4.93
27)		2,4-Dimethylph...		0.277	0.257	0.279	0.299	0.285	0.298	0.281	0.282	4.97
28)		bis(2-Chloroet...		0.320	0.320	0.361	0.375	0.336	0.352	0.341	0.343	5.92
29)	C	2,4-Dichloroph...		0.323	0.305	0.321	0.343	0.322	0.336	0.332	0.326	3.78
30)		1,2,4-Trichlor...		0.383	0.333	0.360	0.377	0.339	0.349	0.347	0.356	5.27
31)		Naphthalene		1.062	0.980	1.013	1.107	0.995	1.041	1.011	1.030	4.26
32)		Benzoic acid			0.149	0.198	0.230	0.240	0.239	0.243	0.216	17.02
33)		4-Chloroaniline		0.392	0.398	0.373	0.417	0.388	0.406	0.392	0.395	3.53
34)	C	Hexachlorobuta...		0.331	0.289	0.308	0.316	0.296	0.300	0.291	0.304	4.94
35)		Caprolactam			0.108	0.120	0.115	0.111	0.110	0.107	0.112	4.36
36)	C	4-Chloro-3-met...		0.395	0.381	0.392	0.418	0.390	0.405	0.395	0.397	3.01
37)		2-Methylnaphth...		0.783	0.771	0.790	0.843	0.778	0.799	0.770	0.791	3.18
38)		1-Methylnaphth...		0.837	0.782	0.782	0.825	0.750	0.784	0.758	0.788	4.08

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG100225.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.622	0.604	0.622	0.708	0.640	0.678	0.646	0.646	5.60
41)	P	Hexachlorocycl...		0.279	0.296	0.363	0.356	0.378	0.356	0.338	11.95
42)	S	2,4,6-Tribromo...	0.364	0.352	0.367	0.381	0.364	0.361	0.349	0.363	2.89
43)	C	2,4,6-Trichlor...	0.391	0.390	0.396	0.445	0.416	0.436	0.414	0.413	5.30
44)		2,4,5-Trichlor...	0.451	0.452	0.430	0.486	0.465	0.473	0.470	0.461	3.93
45)	S	2-Fluorobiphenyl	1.355	1.338	1.346	1.434	1.325	1.389	1.310	1.357	3.11
46)		1,1'-Biphenyl	1.439	1.388	1.417	1.521	1.434	1.484	1.387	1.438	3.42
47)		2-Chloronaphth...	1.006	1.104	1.046	1.153	1.056	1.106	1.046	1.074	4.61
48)		2-Nitroaniline	0.301	0.362	0.371	0.397	0.386	0.385	0.365	0.367	8.60
49)		Acenaphthylene	1.591	1.534	1.573	1.704	1.574	1.638	1.546	1.594	3.68
50)		Dimethylphthalate	1.564	1.584	1.582	1.624	1.531	1.586	1.493	1.566	2.72
51)		2,6-Dinitrotol...	0.292	0.326	0.335	0.337	0.333	0.345	0.316	0.326	5.43
52)	C	Acenaphthene	1.108	1.099	1.086	1.159	1.106	1.138	1.058	1.108	2.98
53)		3-Nitroaniline	0.279	0.294	0.300	0.319	0.315	0.303	0.296	0.301	4.50
54)	P	2,4-Dinitrophenol		0.265	0.270	0.207	0.228	0.229	0.220	0.237	10.76
55)		Dibenzofuran	1.837	1.810	1.800	1.909	1.821	1.872	1.753	1.829	2.77
56)	P	4-Nitrophenol		0.192	0.227	0.260	0.256	0.253	0.232	0.237	10.85
57)		2,4-Dinitrotol...	0.481	0.499	0.488	0.527	0.513	0.506	0.477	0.499	3.60
58)		Fluorene	1.518	1.511	1.535	1.601	1.488	1.532	1.458	1.520	2.91
59)		2,3,4,6-Tetrac...	0.438	0.447	0.475	0.505	0.475	0.494	0.457	0.470	5.16
60)		Diethylphthalate	1.747	1.692	1.679	1.730	1.675	1.663	1.578	1.680	3.25
61)		4-Chlorophenyl...	0.866	0.809	0.839	0.868	0.817	0.819	0.794	0.830	3.42
62)		4-Nitroaniline	0.229	0.296	0.331	0.334	0.345	0.340	0.320	0.314	12.96
63)		Azobenzene	1.339	1.299	1.325	1.346	1.295	1.289	1.216	1.301	3.37
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.125	0.139	0.145	0.138	0.145	0.144	0.139	5.58
66)	c	n-Nitrosodiphe...	0.540	0.519	0.534	0.569	0.508	0.541	0.529	0.534	3.62
67)		4-Bromophenyl-...	0.235	0.229	0.227	0.253	0.224	0.237	0.241	0.235	4.21
68)		Hexachlorobenzene	0.256	0.261	0.272	0.288	0.260	0.280	0.270	0.269	4.36
69)		Atrazine	0.237	0.240	0.247	0.250	0.232	0.239	0.219	0.238	4.26
70)	C	Pentachlorophenol		0.118	0.146	0.169	0.166	0.170	0.175	0.157	13.66
71)		Phenanthrene	1.072	1.022	1.055	1.111	1.002	1.050	1.010	1.046	3.65
72)		Anthracene	1.045	1.028	1.044	1.130	1.001	1.068	1.029	1.049	3.93
73)		Carbazole	0.883	0.895	0.904	0.987	0.877	0.921	0.880	0.907	4.24
74)		Di-n-butylphth...	1.096	1.079	1.105	1.189	1.076	1.131	1.076	1.107	3.71
75)	C	Fluoranthene	1.269	1.226	1.272	1.330	1.192	1.253	1.204	1.250	3.77
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.393	0.424	0.649	0.540	0.621	0.359	0.498	24.67
78)		Pyrene	1.295	1.329	1.316	1.392	1.242	1.281	1.230	1.298	4.24
79)	S	Terphenyl-d14	1.067	1.061	1.069	1.123	1.030	1.044	1.003	1.057	3.55
80)		Butylbenzylpht...	0.437	0.438	0.464	0.497	0.447	0.479	0.458	0.460	4.78
81)		Benzo(a)anthra...	1.280	1.239	1.285	1.353	1.238	1.291	1.253	1.277	3.15
82)		3,3'-Dichlorob...		0.418	0.431	0.458	0.423	0.443	0.420	0.432	3.58
83)		Chrysene	1.226	1.200	1.195	1.297	1.173	1.210	1.178	1.211	3.48
84)		Bis(2-ethylhex...	0.605	0.637	0.640	0.692	0.641	0.670	0.658	0.649	4.26
85)	c	Di-n-octyl pht...		1.055	1.050	1.153	1.073	1.125	1.089	1.091	3.74

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG100225.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.368	1.320	1.378	1.493	1.387	1.431	1.368	1.392	3.98
88)		Benzo(b)fluora...	1.077	1.084	1.171	1.212	1.142	1.169	1.109	1.138	4.40
89)		Benzo(k)fluora...	1.139	1.082	1.145	1.233	1.123	1.156	1.142	1.146	3.97
90)	C	Benzo(a)pyrene	1.017	0.999	1.059	1.122	1.031	1.075	1.037	1.049	3.91
91)		Dibenzo(a,h)an...	1.047	1.053	1.121	1.190	1.115	1.151	1.116	1.113	4.55
92)		Benzo(g,h,i)pe...	1.059	1.053	1.088	1.153	1.069	1.104	1.048	1.082	3.41

(#) = Out of Range

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG No.: Q3375

Instrument ID: BNA_F Calibration Date/Time: 10/20/2025 13:28

Lab File ID: BF143997.D Init. Calib. Date(s): 10/06/2025 10/06/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:59 14:22

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.259	1.277		1.4	
Benzaldehyde	1.158	1.204		4.0	
Phenol-d6	1.501	1.495		-0.4	
Phenol	1.795	1.865		3.9	20.0
bis(2-Chloroethyl)ether	1.386	1.393		0.5	
2-Chlorophenol	1.231	1.238		0.6	
2-Methylphenol	1.017	1.013		-0.4	
2,2-oxybis(1-Chloropropane)	3.156	3.251		3.0	
Acetophenone	0.423	0.408		-3.5	
3+4-Methylphenols	1.179	1.202		2.0	
n-Nitroso-di-n-propylamine	1.028	0.963	0.050	-6.3	
Nitrobenzene-d5	0.329	0.338		2.7	
Hexachloroethane	0.485	0.497		2.5	
Nitrobenzene	0.366	0.371		1.4	
Isophorone	0.694	0.660		-4.9	
2-Nitrophenol	0.157	0.179		14.0	20.0
2,4-Dimethylphenol	0.282	0.286		1.4	
bis(2-Chloroethoxy)methane	0.438	0.428		-2.3	
2,4-Dichlorophenol	0.294	0.288		-2.0	20.0
Naphthalene	0.910	0.892		-2.0	
4-Chloroaniline	0.341	0.339		-0.6	
Hexachlorobutadiene	0.201	0.194		-3.5	20.0
Caprolactam	0.093	0.092		-1.1	
4-Chloro-3-methylphenol	0.282	0.273		-3.2	20.0
2-Methylnaphthalene	0.606	0.583		-3.8	
Hexachlorocyclopentadiene	0.229	0.236	0.050	3.1	
2,4,6-Trichlorophenol	0.404	0.405		0.2	20.0
2-Fluorobiphenyl	1.260	1.168		-7.3	
2,4,5-Trichlorophenol	0.427	0.422		-1.2	
1,1-Biphenyl	1.324	1.296		-2.1	
2-Chloronaphthalene	1.104	1.104		0.0	
2-Nitroaniline	0.349	0.369		5.7	
Dimethylphthalate	1.270	1.238		-2.5	
Acenaphthylene	1.552	1.553		0.1	
2,6-Dinitrotoluene	0.236	0.262		11.0	
3-Nitroaniline	0.288	0.307		6.6	
Acenaphthene	1.017	0.995		-2.2	20.0
2,4-Dinitrophenol	0.118	0.112	0.050	-5.1	
4-Nitrophenol	0.218	0.209	0.050	-4.1	

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG No.: Q3375

Instrument ID: BNA_F Calibration Date/Time: 10/20/2025 13:28

Lab File ID: BF143997.D Init. Calib. Date(s): 10/06/2025 10/06/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:59 14:22

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.436	1.417		-1.3	
2,4-Dinitrotoluene	0.320	0.364		13.8	
Diethylphthalate	1.180	1.162		-1.5	
4-Chlorophenyl-phenylether	0.573	0.563		-1.7	
Fluorene	1.083	1.040		-4.0	
4-Nitroaniline	0.277	0.284		2.5	
4,6-Dinitro-2-methylphenol	0.101	0.110		8.9	
n-Nitrosodiphenylamine	0.628	0.625		-0.5	20.0
2,4,6-Tribromophenol	0.199	0.198		-0.5	
4-Bromophenyl-phenylether	0.221	0.220		-0.5	
Hexachlorobenzene	0.256	0.254		-0.8	
Atrazine	0.190	0.186		-2.1	
Pentachlorophenol	0.147	0.131		-10.9	20.0
Phenanthrene	0.970	0.966		-0.4	
Anthracene	0.980	0.968		-1.2	
Carbazole	0.868	0.858		-1.2	
Di-n-butylphthalate	1.005	1.014		0.9	
Fluoranthene	1.002	0.979		-2.3	20.0
Pyrene	1.667	1.712		2.7	
Terphenyl-d14	1.170	1.223		4.5	
Butylbenzylphthalate	0.542	0.563		3.9	
3,3-Dichlorobenzidine	0.399	0.393		-1.5	
Benzo(a)anthracene	1.309	1.276		-2.5	
Chrysene	1.211	1.205		-0.5	
Bis(2-ethylhexyl)phthalate	0.653	0.643		-1.5	
Di-n-octyl phthalate	1.072	1.026		-4.3	20.0
Benzo(b)fluoranthene	1.149	1.090		-5.1	
Benzo(k)fluoranthene	1.063	1.091		2.6	
Benzo(a)pyrene	0.996	1.015		1.9	20.0
Indeno(1,2,3-cd)pyrene	1.225	1.431		16.8	
Dibenzo(a,h)anthracene	0.986	1.159		17.5	
Benzo(g,h,i)perylene	0.986	1.153		16.9	
1,2,4,5-Tetrachlorobenzene	0.553	0.560		1.3	
1,4-Dioxane	0.583	0.607		4.1	20.0
2,3,4,6-Tetrachlorophenol	0.302	0.298		-1.3	

All other compounds must meet a minimum RRF of 0.010.

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG No.: Q3375

Instrument ID: BNA_F Calibration Date/Time: 10/21/2025 13:29

Lab File ID: BF144009.D Init. Calib. Date(s): 10/06/2025 10/06/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:59 14:22

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.259	1.299		3.2	
Benzaldehyde	1.158	1.203		3.9	
Phenol-d6	1.501	1.494		-0.5	
Phenol	1.795	1.901		5.9	20.0
bis(2-Chloroethyl)ether	1.386	1.376		-0.7	
2-Chlorophenol	1.231	1.267		2.9	
2-Methylphenol	1.017	1.009		-0.8	
2,2-oxybis(1-Chloropropane)	3.156	3.225		2.2	
Acetophenone	0.423	0.409		-3.3	
3+4-Methylphenols	1.179	1.177		-0.2	
n-Nitroso-di-n-propylamine	1.028	0.983	0.050	-4.4	
Nitrobenzene-d5	0.329	0.341		3.6	
Hexachloroethane	0.485	0.486		0.2	
Nitrobenzene	0.366	0.382		4.4	
Isophorone	0.694	0.664		-4.3	
2-Nitrophenol	0.157	0.182		15.9	20.0
2,4-Dimethylphenol	0.282	0.290		2.8	
bis(2-Chloroethoxy)methane	0.438	0.433		-1.1	
2,4-Dichlorophenol	0.294	0.295		0.3	20.0
Naphthalene	0.910	0.902		-0.9	
4-Chloroaniline	0.341	0.341		0.0	
Hexachlorobutadiene	0.201	0.197		-2.0	20.0
Caprolactam	0.093	0.095		2.2	
4-Chloro-3-methylphenol	0.282	0.281		-0.4	20.0
2-Methylnaphthalene	0.606	0.599		-1.2	
Hexachlorocyclopentadiene	0.229	0.224	0.050	-2.2	
2,4,6-Trichlorophenol	0.404	0.394		-2.5	20.0
2-Fluorobiphenyl	1.260	1.174		-6.8	
2,4,5-Trichlorophenol	0.427	0.432		1.2	
1,1-Biphenyl	1.324	1.283		-3.1	
2-Chloronaphthalene	1.104	1.099		-0.5	
2-Nitroaniline	0.349	0.372		6.6	
Dimethylphthalate	1.270	1.246		-1.9	
Acenaphthylene	1.552	1.531		-1.4	
2,6-Dinitrotoluene	0.236	0.265		12.3	
3-Nitroaniline	0.288	0.299		3.8	
Acenaphthene	1.017	0.980		-3.6	20.0
2,4-Dinitrophenol	0.118	0.105	0.050	-11.0	
4-Nitrophenol	0.218	0.197	0.050	-9.6	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG No.: Q3375

Instrument ID: BNA_F Calibration Date/Time: 10/21/2025 13:29

Lab File ID: BF144009.D Init. Calib. Date(s): 10/06/2025 10/06/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:59 14:22

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.436	1.413		-1.6	
2,4-Dinitrotoluene	0.320	0.350		9.4	
Diethylphthalate	1.180	1.127		-4.5	
4-Chlorophenyl-phenylether	0.573	0.561		-2.1	
Fluorene	1.083	1.053		-2.9	
4-Nitroaniline	0.277	0.278		0.4	
4,6-Dinitro-2-methylphenol	0.101	0.109		7.9	
n-Nitrosodiphenylamine	0.628	0.632		0.6	20.0
2,4,6-Tribromophenol	0.199	0.191		-4.0	
4-Bromophenyl-phenylether	0.221	0.213		-3.6	
Hexachlorobenzene	0.256	0.249		-2.7	
Atrazine	0.190	0.184		-3.2	
Pentachlorophenol	0.147	0.129		-12.2	20.0
Phenanthrene	0.970	0.933		-3.8	
Anthracene	0.980	0.987		0.7	
Carbazole	0.868	0.845		-2.7	
Di-n-butylphthalate	1.005	1.014		0.9	
Fluoranthene	1.002	0.960		-4.2	20.0
Pyrene	1.667	1.805		8.3	
Terphenyl-d14	1.170	1.282		9.6	
Butylbenzylphthalate	0.542	0.567		4.6	
3,3-Dichlorobenzidine	0.399	0.400		0.3	
Benzo(a)anthracene	1.309	1.372		4.8	
Chrysene	1.211	1.172		-3.2	
Bis(2-ethylhexyl)phthalate	0.653	0.671		2.8	
Di-n-octyl phthalate	1.072	1.175		9.6	20.0
Benzo(b)fluoranthene	1.149	1.144		-0.4	
Benzo(k)fluoranthene	1.063	0.968		-8.9	
Benzo(a)pyrene	0.996	1.033		3.7	20.0
Indeno(1,2,3-cd)pyrene	1.225	1.420		15.9	
Dibenzo(a,h)anthracene	0.986	1.157		17.3	
Benzo(g,h,i)perylene	0.986	1.143		15.9	
1,2,4,5-Tetrachlorobenzene	0.553	0.559		1.1	
1,4-Dioxane	0.583	0.600		2.9	20.0
2,3,4,6-Tetrachlorophenol	0.302	0.299		-1.0	

All other compounds must meet a minimum RRF of 0.010.

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG No.: Q3375

Instrument ID: BNA_G Calibration Date/Time: 10/20/2025 12:44

Lab File ID: BG064547.D Init. Calib. Date(s): 10/02/2025 10/02/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:01 15:49

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.081	1.194		10.5	
Benzaldehyde	1.290	1.393		8.0	
Phenol-d6	1.452	1.610		10.9	
Phenol	1.532	1.641		7.1	20.0
bis(2-Chloroethyl)ether	1.038	1.092		5.2	
2-Chlorophenol	1.327	1.449		9.2	
2-Methylphenol	1.109	1.242		12.0	
2,2-oxybis(1-Chloropropane)	1.672	1.575		-5.8	
Acetophenone	0.484	0.526		8.7	
3+4-Methylphenols	1.548	1.686		8.9	
n-Nitroso-di-n-propylamine	0.971	1.105	0.050	13.8	
Nitrobenzene-d5	0.372	0.403		8.3	
Hexachloroethane	0.575	0.619		7.7	
Nitrobenzene	0.371	0.388		4.6	
Isophorone	0.674	0.707		4.9	
2-Nitrophenol	0.185	0.203		9.7	20.0
2,4-Dimethylphenol	0.282	0.312		10.6	
bis(2-Chloroethoxy)methane	0.343	0.365		6.4	
2,4-Dichlorophenol	0.326	0.358		9.8	20.0
Naphthalene	1.030	1.119		8.6	
4-Chloroaniline	0.395	0.412		4.3	
Hexachlorobutadiene	0.304	0.337		10.9	20.0
Caprolactam	0.112	0.118		5.4	
4-Chloro-3-methylphenol	0.397	0.427		7.6	20.0
2-Methylnaphthalene	0.791	0.842		6.4	
Hexachlorocyclopentadiene	0.338	0.380	0.050	12.4	
2,4,6-Trichlorophenol	0.413	0.471		14.0	20.0
2-Fluorobiphenyl	1.357	1.453		7.1	
2,4,5-Trichlorophenol	0.461	0.485		5.2	
1,1-Biphenyl	1.438	1.493		3.8	
2-Chloronaphthalene	1.074	1.136		5.8	
2-Nitroaniline	0.367	0.404		10.1	
Dimethylphthalate	1.566	1.653		5.6	
Acenaphthylene	1.594	1.720		7.9	
2,6-Dinitrotoluene	0.326	0.349		7.1	
3-Nitroaniline	0.301	0.316		5.0	
Acenaphthene	1.108	1.160		4.7	20.0
2,4-Dinitrophenol	0.237	0.201	0.050	-15.2	
4-Nitrophenol	0.237	0.224	0.050	-5.5	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG No.: Q3375

Instrument ID: BNA_G Calibration Date/Time: 10/20/2025 12:44

Lab File ID: BG064547.D Init. Calib. Date(s): 10/02/2025 10/02/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:01 15:49

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.829	1.957		7.0	
2,4-Dinitrotoluene	0.499	0.527		5.6	
Diethylphthalate	1.680	1.793		6.7	
4-Chlorophenyl-phenylether	0.830	0.883		6.4	
Fluorene	1.520	1.623		6.8	
4-Nitroaniline	0.314	0.338		7.6	
4,6-Dinitro-2-methylphenol	0.139	0.145		4.3	
n-Nitrosodiphenylamine	0.534	0.568		6.4	20.0
2,4,6-Tribromophenol	0.363	0.393		8.3	
4-Bromophenyl-phenylether	0.235	0.253		7.7	
Hexachlorobenzene	0.269	0.296		10.0	
Atrazine	0.238	0.240		0.8	
Pentachlorophenol	0.157	0.169		7.6	20.0
Phenanthrene	1.046	1.100		5.2	
Anthracene	1.049	1.130		7.7	
Carbazole	0.907	0.960		5.8	
Di-n-butylphthalate	1.107	1.175		6.1	
Fluoranthene	1.250	1.308		4.6	20.0
Pyrene	1.298	1.355		4.4	
Terphenyl-d14	1.057	1.133		7.2	
Butylbenzylphthalate	0.460	0.496		7.8	
3,3-Dichlorobenzidine	0.432	0.455		5.3	
Benzo(a)anthracene	1.277	1.361		6.6	
Chrysene	1.211	1.287		6.3	
Bis(2-ethylhexyl)phthalate	0.649	0.709		9.2	
Di-n-octyl phthalate	1.091	1.198		9.8	20.0
Benzo(b)fluoranthene	1.138	1.217		6.9	
Benzo(k)fluoranthene	1.146	1.257		9.7	
Benzo(a)pyrene	1.049	1.138		8.5	20.0
Indeno(1,2,3-cd)pyrene	1.392	1.498		7.6	
Dibenzo(a,h)anthracene	1.113	1.205		8.3	
Benzo(g,h,i)perylene	1.082	1.159		7.1	
1,2,4,5-Tetrachlorobenzene	0.646	0.669		3.6	
1,4-Dioxane	0.427	0.377		-11.7	20.0
2,3,4,6-Tetrachlorophenol	0.470	0.507		7.9	

All other compounds must meet a minimum RRF of 0.010.