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

LAB CHRONICLE

OrderID:	Q3363	**OrderDate:**	10/16/2025 10:56:42 AM
Client:	AECOM	**Project:**	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795 [illegible]
Contact:	Rob Forstner	**Location:**	DOCK/OOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3363-01	**PR132-SO1-085011-20251015**	**SOIL**			**10/15/25**			**10/15/25**
			SVOC-TCL BNA -20	8270E		10/17/25	10/17/25	
Q3363-02	**PR132-SO1-039085-20251015**	**SOIL**			**10/15/25**			**10/15/25**
			SVOC-TCL BNA -20	8270E		10/17/25	10/17/25	
Q3363-03	**PR132-SO3-028010-20251015**	**SOIL**			**10/15/25**			**10/15/25**
			SVOC-TCL BNA -20	8270E		10/17/25	10/17/25	
Q3363-04	**PR132-SO3-010013-20251015**	**SOIL**			**10/15/25**			**10/15/25**
			SVOC-TCL BNA -20	8270E		10/17/25	10/17/25	
Q3363-05	**COMP01-20251015**	**SOIL**			**10/15/25**			**10/15/25**
			SVOC-TCL BNA -20	8270E		10/17/25	10/17/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3363

Client: AECOM

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID :	**PR132-SO1-085011-20251015**								
Q3363-01	PR132-SO1-085011-2025	SOIL	Phenanthrene		220.000	J	41.6	340	ug/Kg
Q3363-01	PR132-SO1-085011-2025	SOIL	Fluoranthene		370.000		59.8	340	ug/Kg
Q3363-01	PR132-SO1-085011-2025	SOIL	Pyrene		340.000		71.7	340	ug/Kg
Q3363-01	PR132-SO1-085011-2025	SOIL	Benzo(a)anthracene		250.000	J	45.8	340	ug/Kg
Q3363-01	PR132-SO1-085011-2025	SOIL	Chrysene		260.000	J	39.6	340	ug/Kg
Q3363-01	PR132-SO1-085011-2025	SOIL	Benzo(b)fluoranthene		260.000	J	37.8	340	ug/Kg
Q3363-01	PR132-SO1-085011-2025	SOIL	Benzo(a)pyrene		270.000	J	58.8	340	ug/Kg
Q3363-01	PR132-SO1-085011-2025	SOIL	Benzo(g,h,i)perylene		170.000	J	51.2	340	ug/Kg
			Total Svoc :		**2,140.00**				
Q3363-01	PR132-SO1-085011-2025	SOIL	10,18-Bisnorabieta-5,7,9(10),11,1	*	820.000	J	0	0	ug/Kg
Q3363-01	PR132-SO1-085011-2025	SOIL	2-Isopropyl-10-methylphenanthre	*	390.000	J	0	0	ug/Kg
Q3363-01	PR132-SO1-085011-2025	SOIL	4b,8-Dimethyl-2-isopropylphenan	*	230.000	J	0	0	ug/Kg
Q3363-01	PR132-SO1-085011-2025	SOIL	Benzophenone	*	420.000	J	0	0	ug/Kg
Q3363-01	PR132-SO1-085011-2025	SOIL	Tridecane	*	460.000	J	0	0	ug/Kg
Q3363-01	PR132-SO1-085011-2025	SOIL	n-Hexadecanoic acid	*	530.000	J	0	0	ug/Kg
			Total Tics :		**2,850.00**				
			Total Concentration:		**4,990.00**				
Client ID :	**PR132-SO1-039085-20251015**								
Q3363-02	PR132-SO1-039085-2025	SOIL	Acenaphthene		150.000	J	37.5	300	ug/Kg
Q3363-02	PR132-SO1-039085-2025	SOIL	Fluorene		180.000	J	44.6	300	ug/Kg
Q3363-02	PR132-SO1-039085-2025	SOIL	Phenanthrene		390.000		36.8	300	ug/Kg
Q3363-02	PR132-SO1-039085-2025	SOIL	Anthracene		250.000	J	58.7	300	ug/Kg
Q3363-02	PR132-SO1-039085-2025	SOIL	Fluoranthene		410.000		52.8	300	ug/Kg
Q3363-02	PR132-SO1-039085-2025	SOIL	Pyrene		350.000		63.4	300	ug/Kg
Q3363-02	PR132-SO1-039085-2025	SOIL	Benzo(a)anthracene		170.000	J	40.5	300	ug/Kg
Q3363-02	PR132-SO1-039085-2025	SOIL	Chrysene		210.000	J	35.1	300	ug/Kg
Q3363-02	PR132-SO1-039085-2025	SOIL	Bis(2-ethylhexyl)phthalate		450.000		100	300	ug/Kg
Q3363-02	PR132-SO1-039085-2025	SOIL	Benzo(b)fluoranthene		220.000	J	33.5	300	ug/Kg
Q3363-02	PR132-SO1-039085-2025	SOIL	Benzo(a)pyrene		180.000	J	52	300	ug/Kg
			Total Svoc :		**2,960.00**				
Q3363-02	PR132-SO1-039085-2025	SOIL	2,6,10-Trimethyltridecane	*	380.000	J	0	0	ug/Kg
Q3363-02	PR132-SO1-039085-2025	SOIL	Benzophenone	*	510.000	J	0	0	ug/Kg
Q3363-02	PR132-SO1-039085-2025	SOIL	Decahydro-1,1,4a,5,6-pentamethy	*	270.000	J	0	0	ug/Kg
Q3363-02	PR132-SO1-039085-2025	SOIL	Decane, 2-methyl-	*	880.000	J	0	0	ug/Kg
Q3363-02	PR132-SO1-039085-2025	SOIL	Phenanthrene, 2,4,5,7-tetramethyl	*	240.000	J	0	0	ug/Kg
			Total Tics :		**2,280.00**				

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Hit Summary Sheet
SW-846

SDG No.: Q3363

Client: AECOM

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
			Total Concentration:		**5,240.00**				
Client ID :	**PR132-SO3-028010-20251015**								
Q3363-03	PR132-SO3-028010-2025	SOIL	Fluoranthene		160.000	J	54.7	310	ug/Kg
Q3363-03	PR132-SO3-028010-2025	SOIL	Pyrene		130.000	J	65.6	310	ug/Kg
Q3363-03	PR132-SO3-028010-2025	SOIL	Bis(2-ethylhexyl)phthalate		180.000	J	110	310	ug/Kg
			Total Svoc :		**470.00**				
Q3363-03	PR132-SO3-028010-2025	SOIL	Benzophenone	*	380.000	J	0	0	ug/Kg
Q3363-03	PR132-SO3-028010-2025	SOIL	Ethanol, 2-(tetradecyloxy)-	*	260.000	J	0	0	ug/Kg
			Total Tics :		**640.00**				
			Total Concentration:		**1,110.00**				
Client ID :	**PR132-SO3-010013-20251015**								
Q3363-04	PR132-SO3-010013-2025	SOIL	Phenanthrene		290.000	J	40.5	330	ug/Kg
Q3363-04	PR132-SO3-010013-2025	SOIL	Anthracene		130.000	J	64.6	330	ug/Kg
Q3363-04	PR132-SO3-010013-2025	SOIL	Fluoranthene		370.000		58.2	330	ug/Kg
Q3363-04	PR132-SO3-010013-2025	SOIL	Pyrene		350.000		69.8	330	ug/Kg
Q3363-04	PR132-SO3-010013-2025	SOIL	Benzo(a)anthracene		340.000		44.6	330	ug/Kg
Q3363-04	PR132-SO3-010013-2025	SOIL	Chrysene		300.000	J	38.6	330	ug/Kg
Q3363-04	PR132-SO3-010013-2025	SOIL	Benzo(b)fluoranthene		310.000	J	36.8	330	ug/Kg
Q3363-04	PR132-SO3-010013-2025	SOIL	Benzo(a)pyrene		330.000		57.2	330	ug/Kg
Q3363-04	PR132-SO3-010013-2025	SOIL	Indeno(1,2,3-cd)pyrene		140.000	J	56.4	330	ug/Kg
Q3363-04	PR132-SO3-010013-2025	SOIL	Benzo(g,h,i)perylene		170.000	J	49.8	330	ug/Kg
			Total Svoc :		**2,730.00**				
Q3363-04	PR132-SO3-010013-2025	SOIL	4b,8-Dimethyl-2-isopropylphenan	*	190.000	J	0	0	ug/Kg
Q3363-04	PR132-SO3-010013-2025	SOIL	Retene	*	2,100.000	J	0	0	ug/Kg
Q3363-04	PR132-SO3-010013-2025	SOIL	Benzophenone	*	310.000	J	0	0	ug/Kg
Q3363-04	PR132-SO3-010013-2025	SOIL	Dodecane, 2,6,10-trimethyl-	*	500.000	J	0	0	ug/Kg
Q3363-04	PR132-SO3-010013-2025	SOIL	Heptacosane	*	490.000	J	0	0	ug/Kg
Q3363-04	PR132-SO3-010013-2025	SOIL	Heptadecane, 2,6,10,15-tetrameth	*	750.000	J	0	0	ug/Kg
			Total Tics :		**4,340.00**				
			Total Concentration:		**7,070.00**				
Client ID :	**COMP01-20251015**								
Q3363-05	COMP01-20251015	SOIL	Fluoranthene		230.000	J	54	310	ug/Kg
Q3363-05	COMP01-20251015	SOIL	Pyrene		220.000	J	64.8	310	ug/Kg
Q3363-05	COMP01-20251015	SOIL	Benzo(a)anthracene		160.000	J	41.4	310	ug/Kg
Q3363-05	COMP01-20251015	SOIL	Chrysene		150.000	J	35.8	310	ug/Kg
Q3363-05	COMP01-20251015	SOIL	Benzo(b)fluoranthene		200.000	J	34.2	310	ug/Kg
Q3363-05	COMP01-20251015	SOIL	Benzo(a)pyrene		220.000	J	53.1	310	ug/Kg
Q3363-05	COMP01-20251015	SOIL	Benzo(g,h,i)perylene		170.000	J	46.3	310	ug/Kg
			Total Svoc :		**1,350.00**				

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Hit Summary Sheet
SW-846

SDG No.: Q3363

Client: AECOM

Sample ID	Client ID	Matrix	Parameter	Concentration		C	MDL	RDL	Units
Q3363-05	COMP01-20251015	SOIL	Benzophenone	*	430.000	J	0	0	ug/Kg
Q3363-05	COMP01-20251015	SOIL	n-Hexadecanoic acid	*	340.000	J	0	0	ug/Kg
			Total Tics :		**770.00**				
			Total Concentration:		**2,120.00**				

SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	PR132-SO1-085011-20251015	SDG No.:	Q3363
Lab Sample ID:	Q3363-01	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	50.1
Sample Wt/Vol:	30.06 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	660	U	1	310	660	ug/Kg	10/17/25 15:48	PB170144
108-95-2	Phenol	340	U	1	44.0	340	ug/Kg	10/17/25 15:48	PB170144
111-44-4	bis(2-Chloroethyl)ether	340	U	1	48.4	340	ug/Kg	10/17/25 15:48	PB170144
95-57-8	2-Chlorophenol	340	U	1	48.6	340	ug/Kg	10/17/25 15:48	PB170144
95-48-7	2-Methylphenol	340	U	1	59.6	340	ug/Kg	10/17/25 15:48	PB170144
108-60-1	2,2-oxybis(1-Chloropropane)	340	U	1	74.7	340	ug/Kg	10/17/25 15:48	PB170144
98-86-2	Acetophenone	340	U	1	58.8	340	ug/Kg	10/17/25 15:48	PB170144
65794-96-9	3+4-Methylphenols	660	U	1	81.9	660	ug/Kg	10/17/25 15:48	PB170144
621-64-7	n-Nitroso-di-n-propylamine	160	U	1	94.4	160	ug/Kg	10/17/25 15:48	PB170144
67-72-1	Hexachloroethane	340	U	1	35.1	340	ug/Kg	10/17/25 15:48	PB170144
98-95-3	Nitrobenzene	340	U	1	36.5	340	ug/Kg	10/17/25 15:48	PB170144
78-59-1	Isophorone	340	U	1	65.3	340	ug/Kg	10/17/25 15:48	PB170144
88-75-5	2-Nitrophenol	340	U	1	120	340	ug/Kg	10/17/25 15:48	PB170144
105-67-9	2,4-Dimethylphenol	340	U	1	130	340	ug/Kg	10/17/25 15:48	PB170144
111-91-1	bis(2-Chloroethoxy)methane	340	U	1	61.4	340	ug/Kg	10/17/25 15:48	PB170144
120-83-2	2,4-Dichlorophenol	340	U	1	56.4	340	ug/Kg	10/17/25 15:48	PB170144
91-20-3	Naphthalene	340	U	1	45.2	340	ug/Kg	10/17/25 15:48	PB170144
106-47-8	4-Chloroaniline	340	U	1	70.5	340	ug/Kg	10/17/25 15:48	PB170144
87-68-3	Hexachlorobutadiene	340	U	1	50.4	340	ug/Kg	10/17/25 15:48	PB170144
105-60-2	Caprolactam	660	U	1	100	660	ug/Kg	10/17/25 15:48	PB170144
59-50-7	4-Chloro-3-methylphenol	340	U	1	57.2	340	ug/Kg	10/17/25 15:48	PB170144
91-57-6	2-Methylnaphthalene	340	U	1	51.0	340	ug/Kg	10/17/25 15:48	PB170144
77-47-4	Hexachlorocyclopentadiene	660	U	1	230	660	ug/Kg	10/17/25 15:48	PB170144
88-06-2	2,4,6-Trichlorophenol	340	U	1	39.4	340	ug/Kg	10/17/25 15:48	PB170144
95-95-4	2,4,5-Trichlorophenol	340	U	1	58.0	340	ug/Kg	10/17/25 15:48	PB170144
92-52-4	1,1-Biphenyl	340	U	1	43.4	340	ug/Kg	10/17/25 15:48	PB170144
91-58-7	2-Chloronaphthalene	340	U	1	44.8	340	ug/Kg	10/17/25 15:48	PB170144
88-74-4	2-Nitroaniline	340	U	1	95.8	340	ug/Kg	10/17/25 15:48	PB170144
131-11-3	Dimethylphthalate	340	U	1	54.0	340	ug/Kg	10/17/25 15:48	PB170144
208-96-8	Acenaphthylene	340	U	1	57.6	340	ug/Kg	10/17/25 15:48	PB170144
606-20-2	2,6-Dinitrotoluene	340	U	1	66.9	340	ug/Kg	10/17/25 15:48	PB170144
99-09-2	3-Nitroaniline	340	U	1	91.6	340	ug/Kg	10/17/25 15:48	PB170144
83-32-9	Acenaphthene	340	U	1	42.4	340	ug/Kg	10/17/25 15:48	PB170144
51-28-5	2,4-Dinitrophenol	660	U	1	460	660	ug/Kg	10/17/25 15:48	PB170144
100-02-7	4-Nitrophenol	660	U	1	210	660	ug/Kg	10/17/25 15:48	PB170144
132-64-9	Dibenzofuran	340	U	1	45.2	340	ug/Kg	10/17/25 15:48	PB170144
121-14-2	2,4-Dinitrotoluene	340	U	1	99.8	340	ug/Kg	10/17/25 15:48	PB170144
84-66-2	Diethylphthalate	340	U	1	56.4	340	ug/Kg	10/17/25 15:48	PB170144
7005-72-3	4-Chlorophenyl-phenylether	340	U	1	53.2	340	ug/Kg	10/17/25 15:48	PB170144
86-73-7	Fluorene	340	U	1	50.4	340	ug/Kg	10/17/25 15:48	PB170144
100-01-6	4-Nitroaniline	340	U	1	130	340	ug/Kg	10/17/25 15:48	PB170144
534-52-1	4,6-Dinitro-2-methylphenol	660	U	1	210	660	ug/Kg	10/17/25 15:48	PB170144

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Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	PR132-SO1-085011-20251015	SDG No.:	Q3363
Lab Sample ID:	Q3363-01	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	50.1
Sample Wt/Vol:	30.06 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	340	U	1	65.5	340	ug/Kg	10/17/25 15:48	PB170144
101-55-3	4-Bromophenyl-phenylether	340	U	1	55.4	340	ug/Kg	10/17/25 15:48	PB170144
118-74-1	Hexachlorobenzene	340	U	1	50.4	340	ug/Kg	10/17/25 15:48	PB170144
1912-24-9	Atrazine	340	U	1	67.7	340	ug/Kg	10/17/25 15:48	PB170144
87-86-5	Pentachlorophenol	660	U	1	100	660	ug/Kg	10/17/25 15:48	PB170144
85-01-8	Phenanthrene	220	J	1	41.6	340	ug/Kg	10/17/25 15:48	PB170144
120-12-7	Anthracene	340	U	1	66.3	340	ug/Kg	10/17/25 15:48	PB170144
86-74-8	Carbazole	340	U	1	62.2	340	ug/Kg	10/17/25 15:48	PB170144
84-74-2	Di-n-butylphthalate	340	U	1	95.4	340	ug/Kg	10/17/25 15:48	PB170144
206-44-0	Fluoranthene	370		1	59.8	340	ug/Kg	10/17/25 15:48	PB170144
129-00-0	Pyrene	340		1	71.7	340	ug/Kg	10/17/25 15:48	PB170144
85-68-7	Butylbenzylphthalate	340	U	1	140	340	ug/Kg	10/17/25 15:48	PB170144
91-94-1	3,3-Dichlorobenzidine	660	U	1	73.1	660	ug/Kg	10/17/25 15:48	PB170144
56-55-3	Benzo(a)anthracene	250	J	1	45.8	340	ug/Kg	10/17/25 15:48	PB170144
218-01-9	Chrysene	260	J	1	39.6	340	ug/Kg	10/17/25 15:48	PB170144
117-81-7	Bis(2-ethylhexyl)phthalate	340	U	1	120	340	ug/Kg	10/17/25 15:48	PB170144
117-84-0	Di-n-octyl phthalate	660	U	1	170	660	ug/Kg	10/17/25 15:48	PB170144
205-99-2	Benzo(b)fluoranthene	260	J	1	37.8	340	ug/Kg	10/17/25 15:48	PB170144
207-08-9	Benzo(k)fluoranthene	340	U	1	44.6	340	ug/Kg	10/17/25 15:48	PB170144
50-32-8	Benzo(a)pyrene	270	J	1	58.8	340	ug/Kg	10/17/25 15:48	PB170144
193-39-5	Indeno(1,2,3-cd)pyrene	340	U	1	58.0	340	ug/Kg	10/17/25 15:48	PB170144
53-70-3	Dibenzo(a,h)anthracene	340	U	1	54.6	340	ug/Kg	10/17/25 15:48	PB170144
191-24-2	Benzo(g,h,i)perylene	170	J	1	51.2	340	ug/Kg	10/17/25 15:48	PB170144
95-94-3	1,2,4,5-Tetrachlorobenzene	340	U	1	51.0	340	ug/Kg	10/17/25 15:48	PB170144
123-91-1	1,4-Dioxane	340	U	1	90.0	340	ug/Kg	10/17/25 15:48	PB170144
58-90-2	2,3,4,6-Tetrachlorophenol	340	U	1	54.6	340	ug/Kg	10/17/25 15:48	PB170144
SURROGATES									
367-12-4	2-Fluorophenol	62.3			18 - 112	42%	SPK: 150		
13127-88-3	Phenol-d6	55.4			15 - 107	37%	SPK: 150		
4165-60-0	Nitrobenzene-d5	36.7			18 - 107	37%	SPK: 100		
321-60-8	2-Fluorobiphenyl	33.2			20 - 109	33%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	63.7			10 - 116	42%	SPK: 150		
1718-51-0	Terphenyl-d14	32.4			10 - 105	32%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	15700							
1146-65-2	Naphthalene-d8	62300							
15067-26-2	Acenaphthene-d10	44200							
1517-22-2	Phenanthrene-d10	108000							
1719-03-5	Chrysene-d12	123000							
1520-96-3	Perylene-d12	135000							
TENTATIVE IDENTIFIED COMPOUNDS									
000119-61-9	Benzophenone	420	J			15.8	ug/Kg		
000629-50-5	Tridecane	460	J			17.0	ug/Kg		

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Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	PR132-SO1-085011-20251015	SDG No.:	Q3363
Lab Sample ID:	Q3363-01	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	50.1
Sample Wt/Vol:	30.06 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
000057-10-3	n-Hexadecanoic acid	530	J			18.1	ug/Kg		
1000197-14-1	4b,8-Dimethyl-2-isopropylphenanthr	230	J			18.8	ug/Kg		
006566-19-4	10,18-Bisnorabieta-5,7,9(10),11,13	820	J			19.3	ug/Kg		
066552-97-4	2-Isopropyl-10-methylphenanthrene	390	J			20.0	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

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

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	PR132-SO1-039085-20251015	SDG No.:	Q3363
Lab Sample ID:	Q3363-02	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	56.6
Sample Wt/Vol:	30.09 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	580	U	1	270	580	ug/Kg	10/17/25 19:12	PB170144
108-95-2	Phenol	300	U	1	38.9	300	ug/Kg	10/17/25 19:12	PB170144
111-44-4	bis(2-Chloroethyl)ether	300	U	1	42.8	300	ug/Kg	10/17/25 19:12	PB170144
95-57-8	2-Chlorophenol	300	U	1	43.0	300	ug/Kg	10/17/25 19:12	PB170144
95-48-7	2-Methylphenol	300	U	1	52.7	300	ug/Kg	10/17/25 19:12	PB170144
108-60-1	2,2-oxybis(1-Chloropropane)	300	U	1	66.1	300	ug/Kg	10/17/25 19:12	PB170144
98-86-2	Acetophenone	300	U	1	52.0	300	ug/Kg	10/17/25 19:12	PB170144
65794-96-9	3+4-Methylphenols	580	U	1	72.4	580	ug/Kg	10/17/25 19:12	PB170144
621-64-7	n-Nitroso-di-n-propylamine	140	U	1	83.5	140	ug/Kg	10/17/25 19:12	PB170144
67-72-1	Hexachloroethane	300	U	1	31.0	300	ug/Kg	10/17/25 19:12	PB170144
98-95-3	Nitrobenzene	300	U	1	32.2	300	ug/Kg	10/17/25 19:12	PB170144
78-59-1	Isophorone	300	U	1	57.8	300	ug/Kg	10/17/25 19:12	PB170144
88-75-5	2-Nitrophenol	300	U	1	100	300	ug/Kg	10/17/25 19:12	PB170144
105-67-9	2,4-Dimethylphenol	300	U	1	110	300	ug/Kg	10/17/25 19:12	PB170144
111-91-1	bis(2-Chloroethoxy)methane	300	U	1	54.3	300	ug/Kg	10/17/25 19:12	PB170144
120-83-2	2,4-Dichlorophenol	300	U	1	49.9	300	ug/Kg	10/17/25 19:12	PB170144
91-20-3	Naphthalene	300	U	1	40.0	300	ug/Kg	10/17/25 19:12	PB170144
106-47-8	4-Chloroaniline	300	U	1	62.4	300	ug/Kg	10/17/25 19:12	PB170144
87-68-3	Hexachlorobutadiene	300	U	1	44.6	300	ug/Kg	10/17/25 19:12	PB170144
105-60-2	Caprolactam	580	U	1	91.8	580	ug/Kg	10/17/25 19:12	PB170144
59-50-7	4-Chloro-3-methylphenol	300	U	1	50.6	300	ug/Kg	10/17/25 19:12	PB170144
91-57-6	2-Methylnaphthalene	300	U	1	45.1	300	ug/Kg	10/17/25 19:12	PB170144
77-47-4	Hexachlorocyclopentadiene	580	U	1	200	580	ug/Kg	10/17/25 19:12	PB170144
88-06-2	2,4,6-Trichlorophenol	300	U	1	34.9	300	ug/Kg	10/17/25 19:12	PB170144
95-95-4	2,4,5-Trichlorophenol	300	U	1	51.3	300	ug/Kg	10/17/25 19:12	PB170144
92-52-4	1,1-Biphenyl	300	U	1	38.4	300	ug/Kg	10/17/25 19:12	PB170144
91-58-7	2-Chloronaphthalene	300	U	1	39.6	300	ug/Kg	10/17/25 19:12	PB170144
88-74-4	2-Nitroaniline	300	U	1	84.7	300	ug/Kg	10/17/25 19:12	PB170144
131-11-3	Dimethylphthalate	300	U	1	47.7	300	ug/Kg	10/17/25 19:12	PB170144
208-96-8	Acenaphthylene	300	U	1	50.9	300	ug/Kg	10/17/25 19:12	PB170144
606-20-2	2,6-Dinitrotoluene	300	U	1	59.2	300	ug/Kg	10/17/25 19:12	PB170144
99-09-2	3-Nitroaniline	300	U	1	81.0	300	ug/Kg	10/17/25 19:12	PB170144
83-32-9	Acenaphthene	150	J	1	37.5	300	ug/Kg	10/17/25 19:12	PB170144
51-28-5	2,4-Dinitrophenol	580	U	1	400	580	ug/Kg	10/17/25 19:12	PB170144
100-02-7	4-Nitrophenol	580	U	1	190	580	ug/Kg	10/17/25 19:12	PB170144
132-64-9	Dibenzofuran	300	U	1	40.0	300	ug/Kg	10/17/25 19:12	PB170144
121-14-2	2,4-Dinitrotoluene	300	U	1	88.3	300	ug/Kg	10/17/25 19:12	PB170144
84-66-2	Diethylphthalate	300	U	1	49.9	300	ug/Kg	10/17/25 19:12	PB170144
7005-72-3	4-Chlorophenyl-phenylether	300	U	1	47.0	300	ug/Kg	10/17/25 19:12	PB170144
86-73-7	Fluorene	180	J	1	44.6	300	ug/Kg	10/17/25 19:12	PB170144
100-01-6	4-Nitroaniline	300	U	1	110	300	ug/Kg	10/17/25 19:12	PB170144
534-52-1	4,6-Dinitro-2-methylphenol	580	U	1	180	580	ug/Kg	10/17/25 19:12	PB170144

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Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	PR132-SO1-039085-20251015	SDG No.:	Q3363
Lab Sample ID:	Q3363-02	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	56.6
Sample Wt/Vol:	30.09 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	300	U	1	58.0	300	ug/Kg	10/17/25 19:12	PB170144
101-55-3	4-Bromophenyl-phenylether	300	U	1	49.0	300	ug/Kg	10/17/25 19:12	PB170144
118-74-1	Hexachlorobenzene	300	U	1	44.6	300	ug/Kg	10/17/25 19:12	PB170144
1912-24-9	Atrazine	300	U	1	59.9	300	ug/Kg	10/17/25 19:12	PB170144
87-86-5	Pentachlorophenol	580	U	1	90.4	580	ug/Kg	10/17/25 19:12	PB170144
85-01-8	Phenanthrene	390		1	36.8	300	ug/Kg	10/17/25 19:12	PB170144
120-12-7	Anthracene	250	J	1	58.7	300	ug/Kg	10/17/25 19:12	PB170144
86-74-8	Carbazole	300	U	1	55.0	300	ug/Kg	10/17/25 19:12	PB170144
84-74-2	Di-n-butylphthalate	300	U	1	84.4	300	ug/Kg	10/17/25 19:12	PB170144
206-44-0	Fluoranthene	410		1	52.8	300	ug/Kg	10/17/25 19:12	PB170144
129-00-0	Pyrene	350		1	63.4	300	ug/Kg	10/17/25 19:12	PB170144
85-68-7	Butylbenzylphthalate	300	U	1	130	300	ug/Kg	10/17/25 19:12	PB170144
91-94-1	3,3-Dichlorobenzidine	580	U	1	64.6	580	ug/Kg	10/17/25 19:12	PB170144
56-55-3	Benzo(a)anthracene	170	J	1	40.5	300	ug/Kg	10/17/25 19:12	PB170144
218-01-9	Chrysene	210	J	1	35.1	300	ug/Kg	10/17/25 19:12	PB170144
117-81-7	Bis(2-ethylhexyl)phthalate	450		1	100	300	ug/Kg	10/17/25 19:12	PB170144
117-84-0	Di-n-octyl phthalate	580	U	1	150	580	ug/Kg	10/17/25 19:12	PB170144
205-99-2	Benzo(b)fluoranthene	220	J	1	33.5	300	ug/Kg	10/17/25 19:12	PB170144
207-08-9	Benzo(k)fluoranthene	300	U	1	39.5	300	ug/Kg	10/17/25 19:12	PB170144
50-32-8	Benzo(a)pyrene	180	J	1	52.0	300	ug/Kg	10/17/25 19:12	PB170144
193-39-5	Indeno(1,2,3-cd)pyrene	300	U	1	51.3	300	ug/Kg	10/17/25 19:12	PB170144
53-70-3	Dibenzo(a,h)anthracene	300	U	1	48.3	300	ug/Kg	10/17/25 19:12	PB170144
191-24-2	Benzo(g,h,i)perylene	300	U	1	45.3	300	ug/Kg	10/17/25 19:12	PB170144
95-94-3	1,2,4,5-Tetrachlorobenzene	300	U	1	45.1	300	ug/Kg	10/17/25 19:12	PB170144
123-91-1	1,4-Dioxane	300	U	1	79.6	300	ug/Kg	10/17/25 19:12	PB170144
58-90-2	2,3,4,6-Tetrachlorophenol	300	U	1	48.3	300	ug/Kg	10/17/25 19:12	PB170144
SURROGATES									
367-12-4	2-Fluorophenol	92.7			18 - 112	62%	SPK: 150		
13127-88-3	Phenol-d6	85.0			15 - 107	57%	SPK: 150		
4165-60-0	Nitrobenzene-d5	54.5			18 - 107	54%	SPK: 100		
321-60-8	2-Fluorobiphenyl	53.8			20 - 109	54%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	92.0			10 - 116	61%	SPK: 150		
1718-51-0	Terphenyl-d14	51.9			10 - 105	52%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	14400							
1146-65-2	Naphthalene-d8	59300							
15067-26-2	Acenaphthene-d10	41900							
1517-22-2	Phenanthrene-d10	103000							
1719-03-5	Chrysene-d12	116000							
1520-96-3	Perylene-d12	132000							
TENTATIVE IDENTIFIED COMPOUNDS									
003891-99-4	2,6,10-Trimethyltridecane	380	J			13.9	ug/Kg		
080655-44-3	Decahydro-1,1,4a,5,6-pentamethylna	270	J			14.3	ug/Kg		

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Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	PR132-SO1-039085-20251015	SDG No.:	Q3363
Lab Sample ID:	Q3363-02	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	56.6
Sample Wt/Vol:	30.09 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
000119-61-9	Benzophenone	510	J			15.8	ug/Kg		
006975-98-0	Decane, 2-methyl-	880	J			16.2	ug/Kg		
007396-38-5	Phenanthrene, 2,4,5,7-tetramethyl-	240	J			20.0	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:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	PR132-SO3-028010-20251015	SDG No.:	Q3363
Lab Sample ID:	Q3363-03	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	54.8
Sample Wt/Vol:	30.02 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/17/25		

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	10/17/25 19:12	PB170144
108-95-2	Phenol	310	U	1	40.3	310	ug/Kg	10/17/25 19:12	PB170144
111-44-4	bis(2-Chloroethyl)ether	310	U	1	44.3	310	ug/Kg	10/17/25 19:12	PB170144
95-57-8	2-Chlorophenol	310	U	1	44.5	310	ug/Kg	10/17/25 19:12	PB170144
95-48-7	2-Methylphenol	310	U	1	54.5	310	ug/Kg	10/17/25 19:12	PB170144
108-60-1	2,2-oxybis(1-Chloropropane)	310	U	1	68.4	310	ug/Kg	10/17/25 19:12	PB170144
98-86-2	Acetophenone	310	U	1	53.8	310	ug/Kg	10/17/25 19:12	PB170144
65794-96-9	3+4-Methylphenols	600	U	1	75.0	600	ug/Kg	10/17/25 19:12	PB170144
621-64-7	n-Nitroso-di-n-propylamine	150	U	1	86.4	150	ug/Kg	10/17/25 19:12	PB170144
67-72-1	Hexachloroethane	310	U	1	32.1	310	ug/Kg	10/17/25 19:12	PB170144
98-95-3	Nitrobenzene	310	U	1	33.4	310	ug/Kg	10/17/25 19:12	PB170144
78-59-1	Isophorone	310	U	1	59.8	310	ug/Kg	10/17/25 19:12	PB170144
88-75-5	2-Nitrophenol	310	U	1	110	310	ug/Kg	10/17/25 19:12	PB170144
105-67-9	2,4-Dimethylphenol	310	U	1	120	310	ug/Kg	10/17/25 19:12	PB170144
111-91-1	bis(2-Chloroethoxy)methane	310	U	1	56.2	310	ug/Kg	10/17/25 19:12	PB170144
120-83-2	2,4-Dichlorophenol	310	U	1	51.6	310	ug/Kg	10/17/25 19:12	PB170144
91-20-3	Naphthalene	310	U	1	41.4	310	ug/Kg	10/17/25 19:12	PB170144
106-47-8	4-Chloroaniline	310	U	1	64.6	310	ug/Kg	10/17/25 19:12	PB170144
87-68-3	Hexachlorobutadiene	310	U	1	46.1	310	ug/Kg	10/17/25 19:12	PB170144
105-60-2	Caprolactam	600	U	1	95.0	600	ug/Kg	10/17/25 19:12	PB170144
59-50-7	4-Chloro-3-methylphenol	310	U	1	52.3	310	ug/Kg	10/17/25 19:12	PB170144
91-57-6	2-Methylnaphthalene	310	U	1	46.7	310	ug/Kg	10/17/25 19:12	PB170144
77-47-4	Hexachlorocyclopentadiene	600	U	1	210	600	ug/Kg	10/17/25 19:12	PB170144
88-06-2	2,4,6-Trichlorophenol	310	U	1	36.1	310	ug/Kg	10/17/25 19:12	PB170144
95-95-4	2,4,5-Trichlorophenol	310	U	1	53.1	310	ug/Kg	10/17/25 19:12	PB170144
92-52-4	1,1-Biphenyl	310	U	1	39.8	310	ug/Kg	10/17/25 19:12	PB170144
91-58-7	2-Chloronaphthalene	310	U	1	41.0	310	ug/Kg	10/17/25 19:12	PB170144
88-74-4	2-Nitroaniline	310	U	1	87.7	310	ug/Kg	10/17/25 19:12	PB170144
131-11-3	Dimethylphthalate	310	U	1	49.4	310	ug/Kg	10/17/25 19:12	PB170144
208-96-8	Acenaphthylene	310	U	1	52.7	310	ug/Kg	10/17/25 19:12	PB170144
606-20-2	2,6-Dinitrotoluene	310	U	1	61.3	310	ug/Kg	10/17/25 19:12	PB170144
99-09-2	3-Nitroaniline	310	U	1	83.9	310	ug/Kg	10/17/25 19:12	PB170144
83-32-9	Acenaphthene	310	U	1	38.8	310	ug/Kg	10/17/25 19:12	PB170144
51-28-5	2,4-Dinitrophenol	600	U	1	420	600	ug/Kg	10/17/25 19:12	PB170144
100-02-7	4-Nitrophenol	600	U	1	200	600	ug/Kg	10/17/25 19:12	PB170144
132-64-9	Dibenzofuran	310	U	1	41.4	310	ug/Kg	10/17/25 19:12	PB170144
121-14-2	2,4-Dinitrotoluene	310	U	1	91.4	310	ug/Kg	10/17/25 19:12	PB170144
84-66-2	Diethylphthalate	310	U	1	51.6	310	ug/Kg	10/17/25 19:12	PB170144
7005-72-3	4-Chlorophenyl-phenylether	310	U	1	48.7	310	ug/Kg	10/17/25 19:12	PB170144
86-73-7	Fluorene	310	U	1	46.1	310	ug/Kg	10/17/25 19:12	PB170144
100-01-6	4-Nitroaniline	310	U	1	120	310	ug/Kg	10/17/25 19:12	PB170144
534-52-1	4,6-Dinitro-2-methylphenol	600	U	1	190	600	ug/Kg	10/17/25 19:12	PB170144

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Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	PR132-SO3-028010-20251015	SDG No.:	Q3363
Lab Sample ID:	Q3363-03	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	54.8
Sample Wt/Vol:	30.02 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	310	U	1	60.0	310	ug/Kg	10/17/25 19:12	PB170144
101-55-3	4-Bromophenyl-phenylether	310	U	1	50.7	310	ug/Kg	10/17/25 19:12	PB170144
118-74-1	Hexachlorobenzene	310	U	1	46.1	310	ug/Kg	10/17/25 19:12	PB170144
1912-24-9	Atrazine	310	U	1	62.0	310	ug/Kg	10/17/25 19:12	PB170144
87-86-5	Pentachlorophenol	600	U	1	93.6	600	ug/Kg	10/17/25 19:12	PB170144
85-01-8	Phenanthrene	310	U	1	38.1	310	ug/Kg	10/17/25 19:12	PB170144
120-12-7	Anthracene	310	U	1	60.7	310	ug/Kg	10/17/25 19:12	PB170144
86-74-8	Carbazole	310	U	1	56.9	310	ug/Kg	10/17/25 19:12	PB170144
84-74-2	Di-n-butylphthalate	310	U	1	87.4	310	ug/Kg	10/17/25 19:12	PB170144
206-44-0	Fluoranthene	160	J	1	54.7	310	ug/Kg	10/17/25 19:12	PB170144
129-00-0	Pyrene	130	J	1	65.6	310	ug/Kg	10/17/25 19:12	PB170144
85-68-7	Butylbenzylphthalate	310	U	1	130	310	ug/Kg	10/17/25 19:12	PB170144
91-94-1	3,3-Dichlorobenzidine	600	U	1	66.9	600	ug/Kg	10/17/25 19:12	PB170144
56-55-3	Benzo(a)anthracene	310	U	1	41.9	310	ug/Kg	10/17/25 19:12	PB170144
218-01-9	Chrysene	310	U	1	36.3	310	ug/Kg	10/17/25 19:12	PB170144
117-81-7	Bis(2-ethylhexyl)phthalate	180	J	1	110	310	ug/Kg	10/17/25 19:12	PB170144
117-84-0	Di-n-octyl phthalate	600	U	1	160	600	ug/Kg	10/17/25 19:12	PB170144
205-99-2	Benzo(b)fluoranthene	310	U	1	34.6	310	ug/Kg	10/17/25 19:12	PB170144
207-08-9	Benzo(k)fluoranthene	310	U	1	40.8	310	ug/Kg	10/17/25 19:12	PB170144
50-32-8	Benzo(a)pyrene	310	U	1	53.8	310	ug/Kg	10/17/25 19:12	PB170144
193-39-5	Indeno(1,2,3-cd)pyrene	310	U	1	53.1	310	ug/Kg	10/17/25 19:12	PB170144
53-70-3	Dibenzo(a,h)anthracene	310	U	1	50.0	310	ug/Kg	10/17/25 19:12	PB170144
191-24-2	Benzo(g,h,i)perylene	310	U	1	46.9	310	ug/Kg	10/17/25 19:12	PB170144
95-94-3	1,2,4,5-Tetrachlorobenzene	310	U	1	46.7	310	ug/Kg	10/17/25 19:12	PB170144
123-91-1	1,4-Dioxane	310	U	1	82.4	310	ug/Kg	10/17/25 19:12	PB170144
58-90-2	2,3,4,6-Tetrachlorophenol	310	U	1	50.0	310	ug/Kg	10/17/25 19:12	PB170144
SURROGATES									
367-12-4	2-Fluorophenol	79.7			18 - 112	53%	SPK: 150		
13127-88-3	Phenol-d6	78.7			15 - 107	52%	SPK: 150		
4165-60-0	Nitrobenzene-d5	48.3			18 - 107	48%	SPK: 100		
321-60-8	2-Fluorobiphenyl	43.4			20 - 109	43%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	58.4			10 - 116	39%	SPK: 150		
1718-51-0	Terphenyl-d14	38.1			10 - 105	38%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	104000							
1146-65-2	Naphthalene-d8	397000							
15067-26-2	Acenaphthene-d10	207000							
1517-22-2	Phenanthrene-d10	341000							
1719-03-5	Chrysene-d12	243000							
1520-96-3	Perylene-d12	303000							
TENTATIVE IDENTIFIED COMPOUNDS									
000119-61-9	Benzophenone	380	J			10.6	ug/Kg		
002136-70-1	Ethanol, 2-(tetradecyloxy)-	260	J			13.9	ug/Kg		

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Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	PR132-SO3-028010-20251015	SDG No.:	Q3363
Lab Sample ID:	Q3363-03	Matrix:	SOIL
Analytical Method:	8270E	Level : LOW	% Solid: 54.8
Sample Wt/Vol:	30.02 g	Final Vol: 1000 uL	Test: SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date: 10/17/25	

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:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	PR132-SO3-010013-20251015	SDG No.:	Q3363
Lab Sample ID:	Q3363-04	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	51.5
Sample Wt/Vol:	30.04 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	640	U	1	300	640	ug/Kg	10/17/25 19:41	PB170144
108-95-2	Phenol	330	U	1	42.9	330	ug/Kg	10/17/25 19:41	PB170144
111-44-4	bis(2-Chloroethyl)ether	330	U	1	47.1	330	ug/Kg	10/17/25 19:41	PB170144
95-57-8	2-Chlorophenol	330	U	1	47.3	330	ug/Kg	10/17/25 19:41	PB170144
95-48-7	2-Methylphenol	330	U	1	58.0	330	ug/Kg	10/17/25 19:41	PB170144
108-60-1	2,2-oxybis(1-Chloropropane)	330	U	1	72.7	330	ug/Kg	10/17/25 19:41	PB170144
98-86-2	Acetophenone	330	U	1	57.2	330	ug/Kg	10/17/25 19:41	PB170144
65794-96-9	3+4-Methylphenols	640	U	1	79.7	640	ug/Kg	10/17/25 19:41	PB170144
621-64-7	n-Nitroso-di-n-propylamine	160	U	1	91.9	160	ug/Kg	10/17/25 19:41	PB170144
67-72-1	Hexachloroethane	330	U	1	34.1	330	ug/Kg	10/17/25 19:41	PB170144
98-95-3	Nitrobenzene	330	U	1	35.5	330	ug/Kg	10/17/25 19:41	PB170144
78-59-1	Isophorone	330	U	1	63.6	330	ug/Kg	10/17/25 19:41	PB170144
88-75-5	2-Nitrophenol	330	U	1	110	330	ug/Kg	10/17/25 19:41	PB170144
105-67-9	2,4-Dimethylphenol	330	U	1	130	330	ug/Kg	10/17/25 19:41	PB170144
111-91-1	bis(2-Chloroethoxy)methane	330	U	1	59.7	330	ug/Kg	10/17/25 19:41	PB170144
120-83-2	2,4-Dichlorophenol	330	U	1	54.9	330	ug/Kg	10/17/25 19:41	PB170144
91-20-3	Naphthalene	330	U	1	44.0	330	ug/Kg	10/17/25 19:41	PB170144
106-47-8	4-Chloroaniline	330	U	1	68.6	330	ug/Kg	10/17/25 19:41	PB170144
87-68-3	Hexachlorobutadiene	330	U	1	49.1	330	ug/Kg	10/17/25 19:41	PB170144
105-60-2	Caprolactam	640	U	1	100	640	ug/Kg	10/17/25 19:41	PB170144
59-50-7	4-Chloro-3-methylphenol	330	U	1	55.7	330	ug/Kg	10/17/25 19:41	PB170144
91-57-6	2-Methylnaphthalene	330	U	1	49.6	330	ug/Kg	10/17/25 19:41	PB170144
77-47-4	Hexachlorocyclopentadiene	640	U	1	220	640	ug/Kg	10/17/25 19:41	PB170144
88-06-2	2,4,6-Trichlorophenol	330	U	1	38.4	330	ug/Kg	10/17/25 19:41	PB170144
95-95-4	2,4,5-Trichlorophenol	330	U	1	56.4	330	ug/Kg	10/17/25 19:41	PB170144
92-52-4	1,1-Biphenyl	330	U	1	42.3	330	ug/Kg	10/17/25 19:41	PB170144
91-58-7	2-Chloronaphthalene	330	U	1	43.6	330	ug/Kg	10/17/25 19:41	PB170144
88-74-4	2-Nitroaniline	330	U	1	93.3	330	ug/Kg	10/17/25 19:41	PB170144
131-11-3	Dimethylphthalate	330	U	1	52.6	330	ug/Kg	10/17/25 19:41	PB170144
208-96-8	Acenaphthylene	330	U	1	56.0	330	ug/Kg	10/17/25 19:41	PB170144
606-20-2	2,6-Dinitrotoluene	330	U	1	65.2	330	ug/Kg	10/17/25 19:41	PB170144
99-09-2	3-Nitroaniline	330	U	1	89.2	330	ug/Kg	10/17/25 19:41	PB170144
83-32-9	Acenaphthene	330	U	1	41.3	330	ug/Kg	10/17/25 19:41	PB170144
51-28-5	2,4-Dinitrophenol	640	U	1	440	640	ug/Kg	10/17/25 19:41	PB170144
100-02-7	4-Nitrophenol	640	U	1	210	640	ug/Kg	10/17/25 19:41	PB170144
132-64-9	Dibenzofuran	330	U	1	44.0	330	ug/Kg	10/17/25 19:41	PB170144
121-14-2	2,4-Dinitrotoluene	330	U	1	97.2	330	ug/Kg	10/17/25 19:41	PB170144
84-66-2	Diethylphthalate	330	U	1	54.9	330	ug/Kg	10/17/25 19:41	PB170144
7005-72-3	4-Chlorophenyl-phenylether	330	U	1	51.8	330	ug/Kg	10/17/25 19:41	PB170144
86-73-7	Fluorene	330	U	1	49.1	330	ug/Kg	10/17/25 19:41	PB170144
100-01-6	4-Nitroaniline	330	U	1	120	330	ug/Kg	10/17/25 19:41	PB170144
534-52-1	4,6-Dinitro-2-methylphenol	640	U	1	200	640	ug/Kg	10/17/25 19:41	PB170144

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Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	PR132-SO3-010013-20251015	SDG No.:	Q3363
Lab Sample ID:	Q3363-04	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	51.5
Sample Wt/Vol:	30.04 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	330	U	1	63.8	330	ug/Kg	10/17/25 19:41	PB170144
101-55-3	4-Bromophenyl-phenylether	330	U	1	53.9	330	ug/Kg	10/17/25 19:41	PB170144
118-74-1	Hexachlorobenzene	330	U	1	49.1	330	ug/Kg	10/17/25 19:41	PB170144
1912-24-9	Atrazine	330	U	1	65.9	330	ug/Kg	10/17/25 19:41	PB170144
87-86-5	Pentachlorophenol	640	U	1	99.5	640	ug/Kg	10/17/25 19:41	PB170144
85-01-8	Phenanthrene	290	J	1	40.5	330	ug/Kg	10/17/25 19:41	PB170144
120-12-7	Anthracene	130	J	1	64.6	330	ug/Kg	10/17/25 19:41	PB170144
86-74-8	Carbazole	330	U	1	60.5	330	ug/Kg	10/17/25 19:41	PB170144
84-74-2	Di-n-butylphthalate	330	U	1	92.9	330	ug/Kg	10/17/25 19:41	PB170144
206-44-0	Fluoranthene	370		1	58.2	330	ug/Kg	10/17/25 19:41	PB170144
129-00-0	Pyrene	350		1	69.8	330	ug/Kg	10/17/25 19:41	PB170144
85-68-7	Butylbenzylphthalate	330	U	1	140	330	ug/Kg	10/17/25 19:41	PB170144
91-94-1	3,3-Dichlorobenzidine	640	U	1	71.2	640	ug/Kg	10/17/25 19:41	PB170144
56-55-3	Benzo(a)anthracene	340		1	44.6	330	ug/Kg	10/17/25 19:41	PB170144
218-01-9	Chrysene	300	J	1	38.6	330	ug/Kg	10/17/25 19:41	PB170144
117-81-7	Bis(2-ethylhexyl)phthalate	330	U	1	110	330	ug/Kg	10/17/25 19:41	PB170144
117-84-0	Di-n-octyl phthalate	640	U	1	170	640	ug/Kg	10/17/25 19:41	PB170144
205-99-2	Benzo(b)fluoranthene	310	J	1	36.8	330	ug/Kg	10/17/25 19:41	PB170144
207-08-9	Benzo(k)fluoranthene	330	U	1	43.4	330	ug/Kg	10/17/25 19:41	PB170144
50-32-8	Benzo(a)pyrene	330		1	57.2	330	ug/Kg	10/17/25 19:41	PB170144
193-39-5	Indeno(1,2,3-cd)pyrene	140	J	1	56.4	330	ug/Kg	10/17/25 19:41	PB170144
53-70-3	Dibenzo(a,h)anthracene	330	U	1	53.1	330	ug/Kg	10/17/25 19:41	PB170144
191-24-2	Benzo(g,h,i)perylene	170	J	1	49.8	330	ug/Kg	10/17/25 19:41	PB170144
95-94-3	1,2,4,5-Tetrachlorobenzene	330	U	1	49.6	330	ug/Kg	10/17/25 19:41	PB170144
123-91-1	1,4-Dioxane	330	U	1	87.7	330	ug/Kg	10/17/25 19:41	PB170144
58-90-2	2,3,4,6-Tetrachlorophenol	330	U	1	53.1	330	ug/Kg	10/17/25 19:41	PB170144
SURROGATES									
367-12-4	2-Fluorophenol	65.3			18 - 112	44%	SPK: 150		
13127-88-3	Phenol-d6	64.9			15 - 107	43%	SPK: 150		
4165-60-0	Nitrobenzene-d5	39.3			18 - 107	39%	SPK: 100		
321-60-8	2-Fluorobiphenyl	35.0			20 - 109	35%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	44.4			10 - 116	30%	SPK: 150		
1718-51-0	Terphenyl-d14	27.5			10 - 105	27%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	95300							
1146-65-2	Naphthalene-d8	358000							
15067-26-2	Acenaphthene-d10	180000							
1517-22-2	Phenanthrene-d10	276000							
1719-03-5	Chrysene-d12	207000							
1520-96-3	Perylene-d12	276000							
TENTATIVE IDENTIFIED COMPOUNDS									
003891-98-3	Dodecane, 2,6,10-trimethyl-	500	J			9.18	ug/Kg		
054833-48-6	Heptadecane, 2,6,10,15-tetramethyl	750	J			9.63	ug/Kg		

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Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	PR132-SO3-010013-20251015	SDG No.:	Q3363
Lab Sample ID:	Q3363-04	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	51.5
Sample Wt/Vol:	30.04 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
000119-61-9	Benzophenone	310	J			10.6	ug/Kg		
000593-49-7	Heptacosane	490	J			11.3	ug/Kg		
1000197-14-1	4b,8-Dimethyl-2-isopropylphenanthr	190	J			12.4	ug/Kg		
000483-65-8	Retene	2100	J			13.1	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:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	COMP01-20251015	SDG No.:	Q3363
Lab Sample ID:	Q3363-05	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	55.4
Sample Wt/Vol:	30.07 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	590	U	1	280	590	ug/Kg	10/17/25 16:29	PB170144
108-95-2	Phenol	310	U	1	39.8	310	ug/Kg	10/17/25 16:29	PB170144
111-44-4	bis(2-Chloroethyl)ether	310	U	1	43.8	310	ug/Kg	10/17/25 16:29	PB170144
95-57-8	2-Chlorophenol	310	U	1	43.9	310	ug/Kg	10/17/25 16:29	PB170144
95-48-7	2-Methylphenol	310	U	1	53.8	310	ug/Kg	10/17/25 16:29	PB170144
108-60-1	2,2-oxybis(1-Chloropropane)	310	U	1	67.5	310	ug/Kg	10/17/25 16:29	PB170144
98-86-2	Acetophenone	310	U	1	53.1	310	ug/Kg	10/17/25 16:29	PB170144
65794-96-9	3+4-Methylphenols	590	U	1	74.0	590	ug/Kg	10/17/25 16:29	PB170144
621-64-7	n-Nitroso-di-n-propylamine	140	U	1	85.4	140	ug/Kg	10/17/25 16:29	PB170144
67-72-1	Hexachloroethane	310	U	1	31.7	310	ug/Kg	10/17/25 16:29	PB170144
98-95-3	Nitrobenzene	310	U	1	33.0	310	ug/Kg	10/17/25 16:29	PB170144
78-59-1	Isophorone	310	U	1	59.1	310	ug/Kg	10/17/25 16:29	PB170144
88-75-5	2-Nitrophenol	310	U	1	100	310	ug/Kg	10/17/25 16:29	PB170144
105-67-9	2,4-Dimethylphenol	310	U	1	120	310	ug/Kg	10/17/25 16:29	PB170144
111-91-1	bis(2-Chloroethoxy)methane	310	U	1	55.5	310	ug/Kg	10/17/25 16:29	PB170144
120-83-2	2,4-Dichlorophenol	310	U	1	51.0	310	ug/Kg	10/17/25 16:29	PB170144
91-20-3	Naphthalene	310	U	1	40.9	310	ug/Kg	10/17/25 16:29	PB170144
106-47-8	4-Chloroaniline	310	U	1	63.8	310	ug/Kg	10/17/25 16:29	PB170144
87-68-3	Hexachlorobutadiene	310	U	1	45.6	310	ug/Kg	10/17/25 16:29	PB170144
105-60-2	Caprolactam	590	U	1	93.8	590	ug/Kg	10/17/25 16:29	PB170144
59-50-7	4-Chloro-3-methylphenol	310	U	1	51.7	310	ug/Kg	10/17/25 16:29	PB170144
91-57-6	2-Methylnaphthalene	310	U	1	46.1	310	ug/Kg	10/17/25 16:29	PB170144
77-47-4	Hexachlorocyclopentadiene	590	U	1	210	590	ug/Kg	10/17/25 16:29	PB170144
88-06-2	2,4,6-Trichlorophenol	310	U	1	35.7	310	ug/Kg	10/17/25 16:29	PB170144
95-95-4	2,4,5-Trichlorophenol	310	U	1	52.4	310	ug/Kg	10/17/25 16:29	PB170144
92-52-4	1,1-Biphenyl	310	U	1	39.3	310	ug/Kg	10/17/25 16:29	PB170144
91-58-7	2-Chloronaphthalene	310	U	1	40.5	310	ug/Kg	10/17/25 16:29	PB170144
88-74-4	2-Nitroaniline	310	U	1	86.6	310	ug/Kg	10/17/25 16:29	PB170144
131-11-3	Dimethylphthalate	310	U	1	48.8	310	ug/Kg	10/17/25 16:29	PB170144
208-96-8	Acenaphthylene	310	U	1	52.0	310	ug/Kg	10/17/25 16:29	PB170144
606-20-2	2,6-Dinitrotoluene	310	U	1	60.5	310	ug/Kg	10/17/25 16:29	PB170144
99-09-2	3-Nitroaniline	310	U	1	82.8	310	ug/Kg	10/17/25 16:29	PB170144
83-32-9	Acenaphthene	310	U	1	38.4	310	ug/Kg	10/17/25 16:29	PB170144
51-28-5	2,4-Dinitrophenol	590	U	1	410	590	ug/Kg	10/17/25 16:29	PB170144
100-02-7	4-Nitrophenol	590	U	1	190	590	ug/Kg	10/17/25 16:29	PB170144
132-64-9	Dibenzofuran	310	U	1	40.9	310	ug/Kg	10/17/25 16:29	PB170144
121-14-2	2,4-Dinitrotoluene	310	U	1	90.2	310	ug/Kg	10/17/25 16:29	PB170144
84-66-2	Diethylphthalate	310	U	1	51.0	310	ug/Kg	10/17/25 16:29	PB170144
7005-72-3	4-Chlorophenyl-phenylether	310	U	1	48.1	310	ug/Kg	10/17/25 16:29	PB170144
86-73-7	Fluorene	310	U	1	45.6	310	ug/Kg	10/17/25 16:29	PB170144
100-01-6	4-Nitroaniline	310	U	1	120	310	ug/Kg	10/17/25 16:29	PB170144
534-52-1	4,6-Dinitro-2-methylphenol	590	U	1	190	590	ug/Kg	10/17/25 16:29	PB170144

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Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	COMP01-20251015	SDG No.:	Q3363
Lab Sample ID:	Q3363-05	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	55.4
Sample Wt/Vol:	30.07 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	310	U	1	59.2	310	ug/Kg	10/17/25 16:29	PB170144
101-55-3	4-Bromophenyl-phenylether	310	U	1	50.1	310	ug/Kg	10/17/25 16:29	PB170144
118-74-1	Hexachlorobenzene	310	U	1	45.6	310	ug/Kg	10/17/25 16:29	PB170144
1912-24-9	Atrazine	310	U	1	61.2	310	ug/Kg	10/17/25 16:29	PB170144
87-86-5	Pentachlorophenol	590	U	1	92.4	590	ug/Kg	10/17/25 16:29	PB170144
85-01-8	Phenanthrene	310	U	1	37.6	310	ug/Kg	10/17/25 16:29	PB170144
120-12-7	Anthracene	310	U	1	60.0	310	ug/Kg	10/17/25 16:29	PB170144
86-74-8	Carbazole	310	U	1	56.2	310	ug/Kg	10/17/25 16:29	PB170144
84-74-2	Di-n-butylphthalate	310	U	1	86.3	310	ug/Kg	10/17/25 16:29	PB170144
206-44-0	Fluoranthene	230	J	1	54.0	310	ug/Kg	10/17/25 16:29	PB170144
129-00-0	Pyrene	220	J	1	64.8	310	ug/Kg	10/17/25 16:29	PB170144
85-68-7	Butylbenzylphthalate	310	U	1	130	310	ug/Kg	10/17/25 16:29	PB170144
91-94-1	3,3-Dichlorobenzidine	590	U	1	66.1	590	ug/Kg	10/17/25 16:29	PB170144
56-55-3	Benzo(a)anthracene	160	J	1	41.4	310	ug/Kg	10/17/25 16:29	PB170144
218-01-9	Chrysene	150	J	1	35.8	310	ug/Kg	10/17/25 16:29	PB170144
117-81-7	Bis(2-ethylhexyl)phthalate	310	U	1	110	310	ug/Kg	10/17/25 16:29	PB170144
117-84-0	Di-n-octyl phthalate	590	U	1	160	590	ug/Kg	10/17/25 16:29	PB170144
205-99-2	Benzo(b)fluoranthene	200	J	1	34.2	310	ug/Kg	10/17/25 16:29	PB170144
207-08-9	Benzo(k)fluoranthene	310	U	1	40.3	310	ug/Kg	10/17/25 16:29	PB170144
50-32-8	Benzo(a)pyrene	220	J	1	53.1	310	ug/Kg	10/17/25 16:29	PB170144
193-39-5	Indeno(1,2,3-cd)pyrene	310	U	1	52.4	310	ug/Kg	10/17/25 16:29	PB170144
53-70-3	Dibenzo(a,h)anthracene	310	U	1	49.3	310	ug/Kg	10/17/25 16:29	PB170144
191-24-2	Benzo(g,h,i)perylene	170	J	1	46.3	310	ug/Kg	10/17/25 16:29	PB170144
95-94-3	1,2,4,5-Tetrachlorobenzene	310	U	1	46.1	310	ug/Kg	10/17/25 16:29	PB170144
123-91-1	1,4-Dioxane	310	U	1	81.4	310	ug/Kg	10/17/25 16:29	PB170144
58-90-2	2,3,4,6-Tetrachlorophenol	310	U	1	49.3	310	ug/Kg	10/17/25 16:29	PB170144
SURROGATES									
367-12-4	2-Fluorophenol	87.5			18 - 112	58%	SPK: 150		
13127-88-3	Phenol-d6	82.3			15 - 107	55%	SPK: 150		
4165-60-0	Nitrobenzene-d5	55.2			18 - 107	55%	SPK: 100		
321-60-8	2-Fluorobiphenyl	48.0			20 - 109	48%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	92.3			10 - 116	62%	SPK: 150		
1718-51-0	Terphenyl-d14	48.2			10 - 105	48%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	13400							
1146-65-2	Naphthalene-d8	53200							
15067-26-2	Acenaphthene-d10	39200							
1517-22-2	Phenanthrene-d10	94600							
1719-03-5	Chrysene-d12	112000							
1520-96-3	Perylene-d12	127000							
TENTATIVE IDENTIFIED COMPOUNDS									
000119-61-9	Benzophenone	430	J			15.8	ug/Kg		
000057-10-3	n-Hexadecanoic acid	340	J			18.1	ug/Kg		

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Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	COMP01-20251015	SDG No.:	Q3363
Lab Sample ID:	Q3363-05	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	55.4
Sample Wt/Vol:	30.07 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/17/25		

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

QC SUMMARY

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Surrogate Summary

SW-846

SDG No.: Q3363

Client: AECOM

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB170144BL	PB170144BL	2-Fluorophenol	150	158	106		18	112
		Phenol-d6	150	146	97		15	107
		Nitrobenzene-d5	100	93.6	94		18	107
		2-Fluorobiphenyl	100	95.0	95		20	109
		2,4,6-Tribromophenol	150	147	98		10	116
		Terphenyl-d14	100	101	101		10	105
PB170144BS	PB170144BS	2-Fluorophenol	150	142	94		18	112
		Phenol-d6	150	141	94		15	107
		Nitrobenzene-d5	100	84.2	84		18	107
		2-Fluorobiphenyl	100	83.3	83		20	109
		2,4,6-Tribromophenol	150	133	89		10	116
		Terphenyl-d14	100	85.2	85		10	105
Q3363-01	PR132-SO1-085011-20251015	2-Fluorophenol	150	62.3	42		18	112
		Phenol-d6	150	55.4	37		15	107
		Nitrobenzene-d5	100	36.7	37		18	107
		2-Fluorobiphenyl	100	33.2	33		20	109
		2,4,6-Tribromophenol	150	63.7	42		10	116
		Terphenyl-d14	100	32.4	32		10	105
Q3363-02	PR132-SO1-039085-20251015	2-Fluorophenol	150	92.7	62		18	112
		Phenol-d6	150	85.0	57		15	107
		Nitrobenzene-d5	100	54.5	54		18	107
		2-Fluorobiphenyl	100	53.8	54		20	109
		2,4,6-Tribromophenol	150	92.0	61		10	116
		Terphenyl-d14	100	51.9	52		10	105
Q3363-03	PR132-SO3-028010-20251015	2-Fluorophenol	150	79.7	53		18	112
		Phenol-d6	150	78.7	52		15	107
		Nitrobenzene-d5	100	48.3	48		18	107
		2-Fluorobiphenyl	100	43.4	43		20	109
		2,4,6-Tribromophenol	150	58.4	39		10	116
		Terphenyl-d14	100	38.1	38		10	105
Q3363-04	PR132-SO3-010013-20251015	2-Fluorophenol	150	65.3	44		18	112
		Phenol-d6	150	64.9	43		15	107
		Nitrobenzene-d5	100	39.3	39		18	107
		2-Fluorobiphenyl	100	35.0	35		20	109
		2,4,6-Tribromophenol	150	44.4	30		10	116
		Terphenyl-d14	100	27.5	27		10	105
Q3363-05	COMP01-20251015	2-Fluorophenol	150	87.5	58		18	112
		Phenol-d6	150	82.3	55		15	107
		Nitrobenzene-d5	100	55.2	55		18	107
		2-Fluorobiphenyl	100	48.0	48		20	109
		2,4,6-Tribromophenol	150	92.3	62		10	116
		Terphenyl-d14	100	48.2	48		10	105
Q3363-05MS	COMP01-20251015MS	2-Fluorophenol	150	80.7	54		18	112
		Phenol-d6	150	76.7	51		15	107
		Nitrobenzene-d5	100	50.5	50		18	107
		2-Fluorobiphenyl	100	42.2	42		20	109
		2,4,6-Tribromophenol	150	80.7	54		10	116
		Terphenyl-d14	100	42.8	43		10	105
Q3363-05MSD	COMP01-20251015MSD	2-Fluorophenol	150	100	67		18	112
		Phenol-d6	150	95.3	64		15	107
		Nitrobenzene-d5	100	59.1	59		18	107

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Surrogate Summary

SW-846

SDG No.: Q3363

Client: AECOM

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q3363-05MSD	COMP01-20251015MSD	2-Fluorobiphenyl	100	48.8	49		20	109
		2,4,6-Tribromophenol	150	93.5	62		10	116
		Terphenyl-d14	100	52.2	52		10	105

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3363 **Analytical Method:** SW8270E

Client: AECOM **DataFile:** BG064539.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q3363-05MS		**Client Sample ID: COMP01-20251015MS**									
Benzaldehyde	3000	0	1200	ug/Kg	40				10	171	
Phenol	3000	0	2800	ug/Kg	93				51	122	
bis(2-Chloroethyl)ether	3000	0	2600	ug/Kg	87				54	125	
2-Chlorophenol	3000	0	2800	ug/Kg	93				51	121	
2-Methylphenol	3000	0	2800	ug/Kg	93				47	125	
2,2-oxybis(1-Chloropropane)	3000	0	2400	ug/Kg	80				46	119	
Acetophenone	3000	0	3100	ug/Kg	103				55	128	
3+4-Methylphenols	3000	0	2600	ug/Kg	87				49	125	
N-Nitroso-di-n-propylamine	3000	0	2500	ug/Kg	83				59	119	
Hexachloroethane	3000	0	2700	ug/Kg	90				51	116	
Nitrobenzene	3000	0	2700	ug/Kg	90				47	124	
Isophorone	3000	0	2600	ug/Kg	87				49	127	
2-Nitrophenol	3000	0	2800	ug/Kg	93				43	131	
2,4-Dimethylphenol	3000	0	3000	ug/Kg	100				63	151	
bis(2-Chloroethoxy)methane	3000	0	2700	ug/Kg	90				51	119	
2,4-Dichlorophenol	3000	0	2900	ug/Kg	97				50	122	
Naphthalene	3000	0	2900	ug/Kg	97				51	121	
4-Chloroaniline	3000	0	1200	ug/Kg	40				10	100	
Hexachlorobutadiene	3000	0	3000	ug/Kg	100				44	126	
Caprolactam	3000	0	2400	ug/Kg	80				51	134	
4-Chloro-3-methylphenol	3000	0	2800	ug/Kg	93				57	132	
2-Methylnaphthalene	3000	0	2500	ug/Kg	83				59	123	
Hexachlorocyclopentadiene	6000	0	7700	ug/Kg	128				10	175	
2,4,6-Trichlorophenol	3000	0	2900	ug/Kg	97				33	141	
2,4,5-Trichlorophenol	3000	0	2900	ug/Kg	97				38	135	
1,1-Biphenyl	3000	0	3100	ug/Kg	103				55	131	
2-Chloronaphthalene	3000	0	2800	ug/Kg	93				48	124	
2-Nitroaniline	3000	0	2700	ug/Kg	90				47	134	
Dimethylphthalate	3000	0	2600	ug/Kg	87				54	120	
Acenaphthylene	3000	0	3200	ug/Kg	107				57	125	
2,6-Dinitrotoluene	3000	0	2800	ug/Kg	93				48	127	
3-Nitroaniline	3000	0	1900	ug/Kg	63				10	112	
Acenaphthene	3000	0	2700	ug/Kg	90				70	121	
2,4-Dinitrophenol	6000	0	4900	ug/Kg	82				10	155	
4-Nitrophenol	6000	0	5700	ug/Kg	95				10	175	
Dibenzofuran	3000	0	2700	ug/Kg	90				52	114	
2,4-Dinitrotoluene	3000	0	2800	ug/Kg	93				41	140	
Diethylphthalate	3000	0	2600	ug/Kg	87				51	119	
4-Chlorophenyl-phenylether	3000	0	2700	ug/Kg	90				48	122	
Fluorene	3000	0	2800	ug/Kg	93				53	118	
4-Nitroaniline	3000	0	2800	ug/Kg	93				29	140	
4,6-Dinitro-2-methylphenol	3000	0	2900	ug/Kg	97				10	160	
N-Nitrosodiphenylamine	3000	0	2900	ug/Kg	97				73	118	
4-Bromophenyl-phenylether	3000	0	2900	ug/Kg	97				65	121	
Hexachlorobenzene	3000	0	2900	ug/Kg	97				67	118	
Atrazine	3000	0	3000	ug/Kg	100				45	175	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3363 **Analytical Method:** SW8270E

Client: AECOM **DataFile:** BG064539.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Pentachlorophenol	6000	0	6300	ug/Kg	105				13	153	
Phenanthrene	3000	0	2900	ug/Kg	97				52	128	
Anthracene	3000	0	2900	ug/Kg	97				62	124	
Carbazole	3000	0	3000	ug/Kg	100				59	119	
Di-n-butylphthalate	3000	0	2900	ug/Kg	97				55	125	
Fluoranthene	3000	230	3100	ug/Kg	96				44	125	
Pyrene	3000	220	2700	ug/Kg	83				37	122	
Butylbenzylphthalate	3000	0	2800	ug/Kg	93				44	135	
3,3-Dichlorobenzidine	3000	0	1400	ug/Kg	47				15	112	
Benzo(a)anthracene	3000	160	2900	ug/Kg	91				53	119	
Chrysene	3000	150	2900	ug/Kg	92				57	121	
bis(2-Ethylhexyl)phthalate	3000	0	2900	ug/Kg	97				42	169	
Di-n-octyl phthalate	3000	0	2900	ug/Kg	97				51	156	
Benzo(b)fluoranthene	3000	200	3000	ug/Kg	93				52	117	
Benzo(k)fluoranthene	3000	0	2800	ug/Kg	93				57	134	
Benzo(a)pyrene	3000	220	3100	ug/Kg	96				70	142	
Indeno(1,2,3-cd)pyrene	3000	0	3000	ug/Kg	100				40	129	
Dibenz(a,h)anthracene	3000	0	2900	ug/Kg	97				43	123	
Benzo(g,h,i)perylene	3000	170	3100	ug/Kg	98				24	125	
1,2,4,5-Tetrachlorobenzene	3000	0	3200	ug/Kg	107				52	134	
1,4-Dioxane	3000	0	2100	ug/Kg	70				46	112	
2,3,4,6-Tetrachlorophenol	3000	0	2900	ug/Kg	97				24	146	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3363 **Analytical Method:** SW8270E

Client: AECOM **DataFile:** BG064540.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q3363-05MSD		**Client Sample ID: COMP01-20251015MSD**									
Benzaldehyde	3000	0	1600	ug/Kg	53		28	*	10	171	20
Phenol	3000	0	3400	ug/Kg	113		19		51	122	20
bis(2-Chloroethyl)ether	3000	0	3200	ug/Kg	107		21	*	54	125	20
2-Chlorophenol	3000	0	3500	ug/Kg	117		23	*	51	121	20
2-Methylphenol	3000	0	3500	ug/Kg	117		23	*	47	125	20
2,2-oxybis(1-Chloropropane)	3000	0	3000	ug/Kg	100		22	*	46	119	20
Acetophenone	3000	0	3800	ug/Kg	127		21	*	55	128	20
3+4-Methylphenols	3000	0	3400	ug/Kg	113		26	*	49	125	20
N-Nitroso-di-n-propylamine	3000	0	3200	ug/Kg	107		25	*	59	119	20
Hexachloroethane	3000	0	3400	ug/Kg	113		23	*	51	116	20
Nitrobenzene	3000	0	3400	ug/Kg	113		23	*	47	124	20
Isophorone	3000	0	3200	ug/Kg	107		21	*	49	127	20
2-Nitrophenol	3000	0	3400	ug/Kg	113		19		43	131	20
2,4-Dimethylphenol	3000	0	3900	ug/Kg	130		26	*	63	151	20
bis(2-Chloroethoxy)methane	3000	0	3300	ug/Kg	110		20		51	119	20
2,4-Dichlorophenol	3000	0	3600	ug/Kg	120		21	*	50	122	20
Naphthalene	3000	0	3500	ug/Kg	117		19		51	121	20
4-Chloroaniline	3000	0	1300	ug/Kg	43		7		10	100	20
Hexachlorobutadiene	3000	0	3600	ug/Kg	120		18		44	126	20
Caprolactam	3000	0	3200	ug/Kg	107		29	*	51	134	20
4-Chloro-3-methylphenol	3000	0	3500	ug/Kg	117		23	*	57	132	20
2-Methylnaphthalene	3000	0	3000	ug/Kg	100		19		59	123	20
Hexachlorocyclopentadiene	6000	0	8800	ug/Kg	147		14		10	175	20
2,4,6-Trichlorophenol	3000	0	3500	ug/Kg	117		19		33	141	20
2,4,5-Trichlorophenol	3000	0	3400	ug/Kg	113		15		38	135	20
1,1-Biphenyl	3000	0	3600	ug/Kg	120		15		55	131	20
2-Chloronaphthalene	3000	0	3300	ug/Kg	110		17		48	124	20
2-Nitroaniline	3000	0	3300	ug/Kg	110		20		47	134	20
Dimethylphthalate	3000	0	3100	ug/Kg	103		17		54	120	20
Acenaphthylene	3000	0	3800	ug/Kg	127	*	17		57	125	20
2,6-Dinitrotoluene	3000	0	3300	ug/Kg	110		17		48	127	20
3-Nitroaniline	3000	0	2000	ug/Kg	67		6		10	112	20
Acenaphthene	3000	0	3200	ug/Kg	107		17		70	121	20
2,4-Dinitrophenol	6000	0	5700	ug/Kg	95		15		10	155	20
4-Nitrophenol	6000	0	6700	ug/Kg	112		16		10	175	20
Dibenzofuran	3000	0	3300	ug/Kg	110		20		52	114	20
2,4-Dinitrotoluene	3000	0	3300	ug/Kg	110		17		41	140	20
Diethylphthalate	3000	0	3100	ug/Kg	103		17		51	119	20
4-Chlorophenyl-phenylether	3000	0	3200	ug/Kg	107		17		48	122	20
Fluorene	3000	0	3400	ug/Kg	113		19		53	118	20
4-Nitroaniline	3000	0	3300	ug/Kg	110		17		29	140	20
4,6-Dinitro-2-methylphenol	3000	0	3400	ug/Kg	113		15		10	160	20
N-Nitrosodiphenylamine	3000	0	3600	ug/Kg	120	*	21	*	73	118	20
4-Bromophenyl-phenylether	3000	0	3500	ug/Kg	117		19		65	121	20
Hexachlorobenzene	3000	0	3500	ug/Kg	117		19		67	118	20
Atrazine	3000	0	3700	ug/Kg	123		21	*	45	175	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3363 **Analytical Method:** SW8270E

Client: AECOM **DataFile:** BG064540.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Pentachlorophenol	6000	0	7600	ug/Kg	127		19		13	153	20
Phenanthrene	3000	0	3400	ug/Kg	113		15		52	128	20
Anthracene	3000	0	3500	ug/Kg	117		19		62	124	20
Carbazole	3000	0	3600	ug/Kg	120	*	18		59	119	20
Di-n-butylphthalate	3000	0	3500	ug/Kg	117		19		55	125	20
Fluoranthene	3000	230	3700	ug/Kg	116		19		44	125	20
Pyrene	3000	220	3400	ug/Kg	106		24	*	37	122	20
Butylbenzylphthalate	3000	0	3400	ug/Kg	113		19		44	135	20
3,3-Dichlorobenzidine	3000	0	1600	ug/Kg	53		12		15	112	20
Benzo(a)anthracene	3000	160	3700	ug/Kg	118		26	*	53	119	20
Chrysene	3000	150	3600	ug/Kg	115		22	*	57	121	20
bis(2-Ethylhexyl)phthalate	3000	0	3600	ug/Kg	120		21	*	42	169	20
Di-n-octyl phthalate	3000	0	3500	ug/Kg	117		19		51	156	20
Benzo(b)fluoranthene	3000	200	3500	ug/Kg	110		17		52	117	20
Benzo(k)fluoranthene	3000	0	3500	ug/Kg	117		23	*	57	134	20
Benzo(a)pyrene	3000	220	3800	ug/Kg	119		21	*	70	142	20
Indeno(1,2,3-cd)pyrene	3000	0	3500	ug/Kg	117		16		40	129	20
Dibenz(a,h)anthracene	3000	0	3600	ug/Kg	120		21	*	43	123	20
Benzo(g,h,i)perylene	3000	170	3800	ug/Kg	121		21	*	24	125	20
1,2,4,5-Tetrachlorobenzene	3000	0	3700	ug/Kg	123		14		52	134	20
1,4-Dioxane	3000	0	2700	ug/Kg	90		25	*	46	112	20
2,3,4,6-Tetrachlorophenol	3000	0	3500	ug/Kg	117		19		24	146	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3363 **Analytical Method:** 8270E

Client: AECOM **DataFile:** BG064534.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB170144BS	Benzaldehyde	1700	710	ug/Kg	42				10	133	
	Phenol	1700	1700	ug/Kg	100				62	112	
	bis(2-Chloroethyl)ether	1700	1400	ug/Kg	82				60	101	
	2-Chlorophenol	1700	1600	ug/Kg	94				65	112	
	2-Methylphenol	1700	1600	ug/Kg	94				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1300	ug/Kg	76				51	100	
	Acetophenone	1700	1600	ug/Kg	94				66	98	
	3+4-Methylphenols	1700	1600	ug/Kg	94				58	111	
	N-Nitroso-di-n-propylamine	1700	1600	ug/Kg	94				63	95	
	Hexachloroethane	1700	1500	ug/Kg	88				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	890	ug/Kg	52				16	100	
	Hexachlorobutadiene	1700	1500	ug/Kg	88				53	98	
	Caprolactam	1700	1500	ug/Kg	88				67	110	
	4-Chloro-3-methylphenol	1700	1500	ug/Kg	88				58	112	
	2-Methylnaphthalene	1700	1300	ug/Kg	76				60	104	
	Hexachlorocyclopentadiene	3300	4400	ug/Kg	133				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	1400	ug/Kg	82				61	99	
	Acenaphthylene	1700	1700	ug/Kg	100				63	101	
	2,6-Dinitrotoluene	1700	1500	ug/Kg	88				61	104	
	3-Nitroaniline	1700	1000	ug/Kg	59				28	100	
	Acenaphthene	1700	1400	ug/Kg	82				57	104	
	2,4-Dinitrophenol	3300	2800	ug/Kg	85				37	128	
	4-Nitrophenol	3300	3000	ug/Kg	91				48	119	
	Dibenzofuran	1700	1500	ug/Kg	88				63	99	
	2,4-Dinitrotoluene	1700	1500	ug/Kg	88				60	106	
	Diethylphthalate	1700	1500	ug/Kg	88				60	101	
	4-Chlorophenyl-phenylether	1700	1500	ug/Kg	88				58	98	
	Fluorene	1700	1500	ug/Kg	88				61	101	
	4-Nitroaniline	1700	1600	ug/Kg	94				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.: Q3363 **Analytical Method:** 8270E

Client: AECOM **DataFile:** BG064534.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB170144BS	Hexachlorobenzene	1700	1600	ug/Kg	94				64	98	
	Atrazine	1700	1600	ug/Kg	94				47	152	
	Pentachlorophenol	3300	3300	ug/Kg	100				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	1600	ug/Kg	94				57	107	
	Pyrene	1700	1400	ug/Kg	82				59	103	
	Butylbenzylphthalate	1700	1500	ug/Kg	88				55	103	
	3,3-Dichlorobenzidine	1700	1000	ug/Kg	59				42	91	
	Benzo(a)anthracene	1700	1500	ug/Kg	88				60	102	
	Chrysene	1700	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	1600	ug/Kg	94				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	1100	ug/Kg	65				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: PB170144BL

Lab Name: Alliance | Contract: AECO02

Lab Code: ACE | SDG NO.: Q3363

Lab File ID: BG064533.D | Lab Sample ID: PB170144BL

Instrument ID: BNA_G | Date Extracted: 10/17/2025

Matrix: (soil/water) SOIL | Date Analyzed: 10/17/2025

Level: (low/med) LOW | Time Analyzed: 13:02

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB170144BS	PB170144BS	BG064534.D	10/17/2025
PR132-SO1-085011-20251015	Q3363-01	BG064537.D	10/17/2025
PR132-SO1-039085-20251015	Q3363-02	BG064542.D	10/17/2025
COMP01-20251015	Q3363-05	BG064538.D	10/17/2025
COMP01-20251015MS	Q3363-05MS	BG064539.D	10/17/2025
COMP01-20251015MSD	Q3363-05MSD	BG064540.D	10/17/2025
PR132-SO3-028010-20251015	Q3363-03	BF143993.D	10/17/2025
PR132-SO3-010013-20251015	Q3363-04	BF143994.D	10/17/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3363

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
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.: Q3363

Lab File ID: BF143983.D DFTPP Injection Date: 10/17/2025

Instrument ID: BNA_F DFTPP Injection Time: 14:14

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.3 (1.7) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.1 (0.6) 1
197	Less than 2.0% of mass 198	0.1
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
365	Greater than 1% of mass 198	5.0
441	Present, but less than mass 443	82.2
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	BF143984.D	10/17/2025	14:43
PR132-SO3-028010-20251015	Q3363-03	BF143993.D	10/17/2025	19:12
PR132-SO3-010013-20251015	Q3363-04	BF143994.D	10/17/2025	19:41

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3363

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.: Q3363

Lab File ID: BG064530.D | DFTPP Injection Date: 10/17/2025

Instrument ID: BNA_G | DFTPP Injection Time: 10:59

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.4 (1.4) 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	7.2
365	Greater than 1% of mass 198	6.6
441	Present, but less than mass 443	16.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.5 (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	BG064531.D	10/17/2025	11:39
PB170144BL	PB170144BL	BG064533.D	10/17/2025	13:02
PB170144BS	PB170144BS	BG064534.D	10/17/2025	13:43
PR132-SO1-085011-20251015	Q3363-01	BG064537.D	10/17/2025	15:48
COMP01-20251015	Q3363-05	BG064538.D	10/17/2025	16:29
COMP01-20251015MS	Q3363-05MS	BG064539.D	10/17/2025	17:10
COMP01-20251015MSD	Q3363-05MSD	BG064540.D	10/17/2025	17:51
PR132-SO1-039085-20251015	Q3363-02	BG064542.D	10/17/2025	19:12

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3363

Client ID : SSTDCCC040 Date Analyzed: 10/17/2025

Lab File ID: BF143984.D Time Analyzed: 14:43

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	156623	6.887	566623	8.17	278942	9.92
	UPPER LIMIT	313246	7.387	1133250	8.669	557884	10.422
	LOWER LIMIT	78311.5	6.387	283312	7.669	139471	9.422
	EPA SAMPLE NO.						
01	PR132-SO3-028010-20251015	104129	6.88	397063	8.16	206624	9.92
02	PR132-SO3-010013-20251015	95256	6.88	358249	8.16	180230	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.: Q3363

Client ID: SSTDCCC040 Date Analyzed: 10/17/2025

Lab File ID: BF143984.D Time Analyzed: 14:43

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	461614	11.416	286617	14.069	311878	15.551
	UPPER LIMIT	923228	11.916	573234	14.569	623756	16.051
	LOWER LIMIT	230807	10.916	143309	13.569	155939	15.051
	EPA SAMPLE NO.						
01	PR132-SO3-028010-20251015	340601	11.41	243470	14.06	303323	15.55
02	PR132-SO3-010013-20251015	275607	11.41	207243	14.06	275767	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.: Q3363

Client ID : SSTDCCC040 Date Analyzed: 10/17/2025

Lab File ID: BG064531.D Time Analyzed: 11:39

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	15109	7.82	59855	10.61	45410	14.45
	UPPER LIMIT	30218	8.32	119710	11.105	90820	14.947
	LOWER LIMIT	7554.5	7.32	29927.5	10.105	22705	13.947
	EPA SAMPLE NO.						
01	PB170144BL	15169	7.82	63951	10.60	47990	14.44
02	PB170144BS	13548	7.82	60553	10.60	47398	14.45
03	PR132-SO1-085011-20251015	15692	7.82	62273	10.60	44210	14.44
04	COMP01-20251015	13378	7.82	53157	10.61	39158	14.44
05	COMP01-20251015MS	14953	7.82	59781	10.60	44289	14.44
06	COMP01-20251015MSD	12958	7.82	53760	10.61	42324	14.45
07	PR132-SO1-039085-20251015	14350	7.82	59289	10.60	41893	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.: Q3363

Client ID: SSTDCCC040 Date Analyzed: 10/17/2025

Lab File ID: BG064531.D Time Analyzed: 11:39

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	113433	17.185	121987	21.416	135397	24.389
	UPPER LIMIT	226866	17.685	243974	21.916	270794	24.889
	LOWER LIMIT	56716.5	16.685	60993.5	20.916	67698.5	23.889
	EPA SAMPLE NO.						
01	PB170144BL	119250	17.19	136283	21.41	149804	24.39
02	PB170144BS	115978	17.19	125702	21.41	135853	24.39
03	PR132-SO1-085011-20251015	107542	17.19	122736	21.41	135244	24.39
04	COMP01-20251015	94623	17.19	112080	21.41	127010	24.40
05	COMP01-20251015MS	105365	17.19	119699	21.41	135091	24.40
06	COMP01-20251015MSD	98552	17.19	108444	21.42	124972	24.40
07	PR132-SO1-039085-20251015	102654	17.19	115906	21.41	131885	24.40

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

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

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	PB170144BL	SDG No.:	Q3363
Lab Sample ID:	PB170144BL	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: 10/17/25		

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	10/17/25 13:02	PB170144
108-95-2	Phenol	170	U	1	22.1	170	ug/Kg	10/17/25 13:02	PB170144
111-44-4	bis(2-Chloroethyl)ether	170	U	1	24.3	170	ug/Kg	10/17/25 13:02	PB170144
95-57-8	2-Chlorophenol	170	U	1	24.4	170	ug/Kg	10/17/25 13:02	PB170144
95-48-7	2-Methylphenol	170	U	1	29.9	170	ug/Kg	10/17/25 13:02	PB170144
108-60-1	2,2-oxybis(1-Chloropropane)	170	U	1	37.5	170	ug/Kg	10/17/25 13:02	PB170144
98-86-2	Acetophenone	170	U	1	29.5	170	ug/Kg	10/17/25 13:02	PB170144
65794-96-9	3+4-Methylphenols	330	U	1	41.1	330	ug/Kg	10/17/25 13:02	PB170144
621-64-7	n-Nitroso-di-n-propylamine	79.9	U	1	47.4	79.9	ug/Kg	10/17/25 13:02	PB170144
67-72-1	Hexachloroethane	170	U	1	17.6	170	ug/Kg	10/17/25 13:02	PB170144
98-95-3	Nitrobenzene	170	U	1	18.3	170	ug/Kg	10/17/25 13:02	PB170144
78-59-1	Isophorone	170	U	1	32.8	170	ug/Kg	10/17/25 13:02	PB170144
88-75-5	2-Nitrophenol	170	U	1	58.1	170	ug/Kg	10/17/25 13:02	PB170144
105-67-9	2,4-Dimethylphenol	170	U	1	64.7	170	ug/Kg	10/17/25 13:02	PB170144
111-91-1	bis(2-Chloroethoxy)methane	170	U	1	30.8	170	ug/Kg	10/17/25 13:02	PB170144
120-83-2	2,4-Dichlorophenol	170	U	1	28.3	170	ug/Kg	10/17/25 13:02	PB170144
91-20-3	Naphthalene	170	U	1	22.7	170	ug/Kg	10/17/25 13:02	PB170144
106-47-8	4-Chloroaniline	170	U	1	35.4	170	ug/Kg	10/17/25 13:02	PB170144
87-68-3	Hexachlorobutadiene	170	U	1	25.3	170	ug/Kg	10/17/25 13:02	PB170144
105-60-2	Caprolactam	330	U	1	52.0	330	ug/Kg	10/17/25 13:02	PB170144
59-50-7	4-Chloro-3-methylphenol	170	U	1	28.7	170	ug/Kg	10/17/25 13:02	PB170144
91-57-6	2-Methylnaphthalene	170	U	1	25.6	170	ug/Kg	10/17/25 13:02	PB170144
77-47-4	Hexachlorocyclopentadiene	330	U	1	120	330	ug/Kg	10/17/25 13:02	PB170144
88-06-2	2,4,6-Trichlorophenol	170	U	1	19.8	170	ug/Kg	10/17/25 13:02	PB170144
95-95-4	2,4,5-Trichlorophenol	170	U	1	29.1	170	ug/Kg	10/17/25 13:02	PB170144
92-52-4	1,1-Biphenyl	170	U	1	21.8	170	ug/Kg	10/17/25 13:02	PB170144
91-58-7	2-Chloronaphthalene	170	U	1	22.5	170	ug/Kg	10/17/25 13:02	PB170144
88-74-4	2-Nitroaniline	170	U	1	48.1	170	ug/Kg	10/17/25 13:02	PB170144
131-11-3	Dimethylphthalate	170	U	1	27.1	170	ug/Kg	10/17/25 13:02	PB170144
208-96-8	Acenaphthylene	170	U	1	28.9	170	ug/Kg	10/17/25 13:02	PB170144
606-20-2	2,6-Dinitrotoluene	170	U	1	33.6	170	ug/Kg	10/17/25 13:02	PB170144
99-09-2	3-Nitroaniline	170	U	1	46.0	170	ug/Kg	10/17/25 13:02	PB170144
83-32-9	Acenaphthene	170	U	1	21.3	170	ug/Kg	10/17/25 13:02	PB170144
51-28-5	2,4-Dinitrophenol	330	U	1	230	330	ug/Kg	10/17/25 13:02	PB170144
100-02-7	4-Nitrophenol	330	U	1	110	330	ug/Kg	10/17/25 13:02	PB170144
132-64-9	Dibenzofuran	170	U	1	22.7	170	ug/Kg	10/17/25 13:02	PB170144
121-14-2	2,4-Dinitrotoluene	170	U	1	50.0	170	ug/Kg	10/17/25 13:02	PB170144
84-66-2	Diethylphthalate	170	U	1	28.3	170	ug/Kg	10/17/25 13:02	PB170144
7005-72-3	4-Chlorophenyl-phenylether	170	U	1	26.7	170	ug/Kg	10/17/25 13:02	PB170144
86-73-7	Fluorene	170	U	1	25.3	170	ug/Kg	10/17/25 13:02	PB170144
100-01-6	4-Nitroaniline	170	U	1	64.1	170	ug/Kg	10/17/25 13:02	PB170144
534-52-1	4,6-Dinitro-2-methylphenol	330	U	1	100	330	ug/Kg	10/17/25 13:02	PB170144

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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:	PB170144BL	SDG No.:	Q3363
Lab Sample ID:	PB170144BL	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: 10/17/25		

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	10/17/25 13:02	PB170144
101-55-3	4-Bromophenyl-phenylether	170	U	1	27.8	170	ug/Kg	10/17/25 13:02	PB170144
118-74-1	Hexachlorobenzene	170	U	1	25.3	170	ug/Kg	10/17/25 13:02	PB170144
1912-24-9	Atrazine	170	U	1	34.0	170	ug/Kg	10/17/25 13:02	PB170144
87-86-5	Pentachlorophenol	330	U	1	51.2	330	ug/Kg	10/17/25 13:02	PB170144
85-01-8	Phenanthrene	170	U	1	20.9	170	ug/Kg	10/17/25 13:02	PB170144
120-12-7	Anthracene	170	U	1	33.3	170	ug/Kg	10/17/25 13:02	PB170144
86-74-8	Carbazole	170	U	1	31.2	170	ug/Kg	10/17/25 13:02	PB170144
84-74-2	Di-n-butylphthalate	170	U	1	47.9	170	ug/Kg	10/17/25 13:02	PB170144
206-44-0	Fluoranthene	170	U	1	30.0	170	ug/Kg	10/17/25 13:02	PB170144
129-00-0	Pyrene	170	U	1	36.0	170	ug/Kg	10/17/25 13:02	PB170144
85-68-7	Butylbenzylphthalate	170	U	1	71.3	170	ug/Kg	10/17/25 13:02	PB170144
91-94-1	3,3-Dichlorobenzidine	330	U	1	36.7	330	ug/Kg	10/17/25 13:02	PB170144
56-55-3	Benzo(a)anthracene	170	U	1	23.0	170	ug/Kg	10/17/25 13:02	PB170144
218-01-9	Chrysene	170	U	1	19.9	170	ug/Kg	10/17/25 13:02	PB170144
117-81-7	Bis(2-ethylhexyl)phthalate	170	U	1	59.1	170	ug/Kg	10/17/25 13:02	PB170144
117-84-0	Di-n-octyl phthalate	330	U	1	86.7	330	ug/Kg	10/17/25 13:02	PB170144
205-99-2	Benzo(b)fluoranthene	170	U	1	19.0	170	ug/Kg	10/17/25 13:02	PB170144
207-08-9	Benzo(k)fluoranthene	170	U	1	22.4	170	ug/Kg	10/17/25 13:02	PB170144
50-32-8	Benzo(a)pyrene	170	U	1	29.5	170	ug/Kg	10/17/25 13:02	PB170144
193-39-5	Indeno(1,2,3-cd)pyrene	170	U	1	29.1	170	ug/Kg	10/17/25 13:02	PB170144
53-70-3	Dibenzo(a,h)anthracene	170	U	1	27.4	170	ug/Kg	10/17/25 13:02	PB170144
191-24-2	Benzo(g,h,i)perylene	170	U	1	25.7	170	ug/Kg	10/17/25 13:02	PB170144
95-94-3	1,2,4,5-Tetrachlorobenzene	170	U	1	25.6	170	ug/Kg	10/17/25 13:02	PB170144
123-91-1	1,4-Dioxane	170	U	1	45.2	170	ug/Kg	10/17/25 13:02	PB170144
58-90-2	2,3,4,6-Tetrachlorophenol	170	U	1	27.4	170	ug/Kg	10/17/25 13:02	PB170144
SURROGATES									
367-12-4	2-Fluorophenol	158			18 - 112	106%	SPK: 150		
13127-88-3	Phenol-d6	146			15 - 107	97%	SPK: 150		
4165-60-0	Nitrobenzene-d5	93.6			18 - 107	94%	SPK: 100		
321-60-8	2-Fluorobiphenyl	95.0			20 - 109	95%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	147			10 - 116	98%	SPK: 150		
1718-51-0	Terphenyl-d14	101			10 - 105	101%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	15200							
1146-65-2	Naphthalene-d8	64000							
15067-26-2	Acenaphthene-d10	48000							
1517-22-2	Phenanthrene-d10	119000							
1719-03-5	Chrysene-d12	136000							
1520-96-3	Perylene-d12	150000							

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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:	PB170144BL	SDG No.:	Q3363
Lab Sample ID:	PB170144BL	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: 10/17/25		

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

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

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	PB170144BS	SDG No.:	Q3363
Lab Sample ID:	PB170144BS	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	100
Sample Wt/Vol:	30.01 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	710		1	160	330	ug/Kg	10/17/25 13:43	PB170144
108-95-2	Phenol	1700		1	22.1	170	ug/Kg	10/17/25 13:43	PB170144
111-44-4	bis(2-Chloroethyl)ether	1400		1	24.3	170	ug/Kg	10/17/25 13:43	PB170144
95-57-8	2-Chlorophenol	1600		1	24.4	170	ug/Kg	10/17/25 13:43	PB170144
95-48-7	2-Methylphenol	1600		1	29.9	170	ug/Kg	10/17/25 13:43	PB170144
108-60-1	2,2-oxybis(1-Chloropropane)	1300		1	37.5	170	ug/Kg	10/17/25 13:43	PB170144
98-86-2	Acetophenone	1600		1	29.5	170	ug/Kg	10/17/25 13:43	PB170144
65794-96-9	3+4-Methylphenols	1600		1	41.1	330	ug/Kg	10/17/25 13:43	PB170144
621-64-7	n-Nitroso-di-n-propylamine	1600		1	47.4	80.0	ug/Kg	10/17/25 13:43	PB170144
67-72-1	Hexachloroethane	1500		1	17.6	170	ug/Kg	10/17/25 13:43	PB170144
98-95-3	Nitrobenzene	1500		1	18.3	170	ug/Kg	10/17/25 13:43	PB170144
78-59-1	Isophorone	1400		1	32.8	170	ug/Kg	10/17/25 13:43	PB170144
88-75-5	2-Nitrophenol	1500		1	58.2	170	ug/Kg	10/17/25 13:43	PB170144
105-67-9	2,4-Dimethylphenol	1700		1	64.8	170	ug/Kg	10/17/25 13:43	PB170144
111-91-1	bis(2-Chloroethoxy)methane	1500		1	30.8	170	ug/Kg	10/17/25 13:43	PB170144
120-83-2	2,4-Dichlorophenol	1600		1	28.3	170	ug/Kg	10/17/25 13:43	PB170144
91-20-3	Naphthalene	1500		1	22.7	170	ug/Kg	10/17/25 13:43	PB170144
106-47-8	4-Chloroaniline	890		1	35.4	170	ug/Kg	10/17/25 13:43	PB170144
87-68-3	Hexachlorobutadiene	1500		1	25.3	170	ug/Kg	10/17/25 13:43	PB170144
105-60-2	Caprolactam	1500		1	52.1	330	ug/Kg	10/17/25 13:43	PB170144
59-50-7	4-Chloro-3-methylphenol	1500		1	28.7	170	ug/Kg	10/17/25 13:43	PB170144
91-57-6	2-Methylnaphthalene	1300		1	25.6	170	ug/Kg	10/17/25 13:43	PB170144
77-47-4	Hexachlorocyclopentadiene	4400	E	1	120	330	ug/Kg	10/17/25 13:43	PB170144
88-06-2	2,4,6-Trichlorophenol	1500		1	19.8	170	ug/Kg	10/17/25 13:43	PB170144
95-95-4	2,4,5-Trichlorophenol	1600		1	29.1	170	ug/Kg	10/17/25 13:43	PB170144
92-52-4	1,1-Biphenyl	1600		1	21.8	170	ug/Kg	10/17/25 13:43	PB170144
91-58-7	2-Chloronaphthalene	1400		1	22.5	170	ug/Kg	10/17/25 13:43	PB170144
88-74-4	2-Nitroaniline	1500		1	48.1	170	ug/Kg	10/17/25 13:43	PB170144
131-11-3	Dimethylphthalate	1400		1	27.1	170	ug/Kg	10/17/25 13:43	PB170144
208-96-8	Acenaphthylene	1700		1	28.9	170	ug/Kg	10/17/25 13:43	PB170144
606-20-2	2,6-Dinitrotoluene	1500		1	33.6	170	ug/Kg	10/17/25 13:43	PB170144
99-09-2	3-Nitroaniline	1000		1	46.0	170	ug/Kg	10/17/25 13:43	PB170144
83-32-9	Acenaphthene	1400		1	21.3	170	ug/Kg	10/17/25 13:43	PB170144
51-28-5	2,4-Dinitrophenol	2800	E	1	230	330	ug/Kg	10/17/25 13:43	PB170144
100-02-7	4-Nitrophenol	3000	E	1	110	330	ug/Kg	10/17/25 13:43	PB170144
132-64-9	Dibenzofuran	1500		1	22.7	170	ug/Kg	10/17/25 13:43	PB170144
121-14-2	2,4-Dinitrotoluene	1500		1	50.1	170	ug/Kg	10/17/25 13:43	PB170144
84-66-2	Diethylphthalate	1500		1	28.3	170	ug/Kg	10/17/25 13:43	PB170144
7005-72-3	4-Chlorophenyl-phenylether	1500		1	26.7	170	ug/Kg	10/17/25 13:43	PB170144
86-73-7	Fluorene	1500		1	25.3	170	ug/Kg	10/17/25 13:43	PB170144
100-01-6	4-Nitroaniline	1600		1	64.2	170	ug/Kg	10/17/25 13:43	PB170144
534-52-1	4,6-Dinitro-2-methylphenol	1600		1	100	330	ug/Kg	10/17/25 13:43	PB170144

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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:	PB170144BS	SDG No.:	Q3363
Lab Sample ID:	PB170144BS	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	100
Sample Wt/Vol:	30.01 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/17/25		

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	10/17/25 13:43	PB170144
101-55-3	4-Bromophenyl-phenylether	1500		1	27.8	170	ug/Kg	10/17/25 13:43	PB170144
118-74-1	Hexachlorobenzene	1600		1	25.3	170	ug/Kg	10/17/25 13:43	PB170144
1912-24-9	Atrazine	1600		1	34.0	170	ug/Kg	10/17/25 13:43	PB170144
87-86-5	Pentachlorophenol	3300	E	1	51.3	330	ug/Kg	10/17/25 13:43	PB170144
85-01-8	Phenanthrene	1500		1	20.9	170	ug/Kg	10/17/25 13:43	PB170144
120-12-7	Anthracene	1600		1	33.3	170	ug/Kg	10/17/25 13:43	PB170144
86-74-8	Carbazole	1600		1	31.2	170	ug/Kg	10/17/25 13:43	PB170144
84-74-2	Di-n-butylphthalate	1500		1	47.9	170	ug/Kg	10/17/25 13:43	PB170144
206-44-0	Fluoranthene	1600		1	30.0	170	ug/Kg	10/17/25 13:43	PB170144
129-00-0	Pyrene	1400		1	36.0	170	ug/Kg	10/17/25 13:43	PB170144
85-68-7	Butylbenzylphthalate	1500		1	71.4	170	ug/Kg	10/17/25 13:43	PB170144
91-94-1	3,3-Dichlorobenzidine	1000		1	36.7	330	ug/Kg	10/17/25 13:43	PB170144
56-55-3	Benzo(a)anthracene	1500		1	23.0	170	ug/Kg	10/17/25 13:43	PB170144
218-01-9	Chrysene	1500		1	19.9	170	ug/Kg	10/17/25 13:43	PB170144
117-81-7	Bis(2-ethylhexyl)phthalate	1500		1	59.2	170	ug/Kg	10/17/25 13:43	PB170144
117-84-0	Di-n-octyl phthalate	1500		1	86.8	330	ug/Kg	10/17/25 13:43	PB170144
205-99-2	Benzo(b)fluoranthene	1600		1	19.0	170	ug/Kg	10/17/25 13:43	PB170144
207-08-9	Benzo(k)fluoranthene	1600		1	22.4	170	ug/Kg	10/17/25 13:43	PB170144
50-32-8	Benzo(a)pyrene	1600		1	29.5	170	ug/Kg	10/17/25 13:43	PB170144
193-39-5	Indeno(1,2,3-cd)pyrene	1600		1	29.1	170	ug/Kg	10/17/25 13:43	PB170144
53-70-3	Dibenzo(a,h)anthracene	1600		1	27.4	170	ug/Kg	10/17/25 13:43	PB170144
191-24-2	Benzo(g,h,i)perylene	1600		1	25.7	170	ug/Kg	10/17/25 13:43	PB170144
95-94-3	1,2,4,5-Tetrachlorobenzene	1600		1	25.6	170	ug/Kg	10/17/25 13:43	PB170144
123-91-1	1,4-Dioxane	1100		1	45.2	170	ug/Kg	10/17/25 13:43	PB170144
58-90-2	2,3,4,6-Tetrachlorophenol	1600		1	27.4	170	ug/Kg	10/17/25 13:43	PB170144
SURROGATES									
367-12-4	2-Fluorophenol	142			18 - 112	94%	SPK: 150		
13127-88-3	Phenol-d6	141			15 - 107	94%	SPK: 150		
4165-60-0	Nitrobenzene-d5	84.2			18 - 107	84%	SPK: 100		
321-60-8	2-Fluorobiphenyl	83.3			20 - 109	83%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	133			10 - 116	89%	SPK: 150		
1718-51-0	Terphenyl-d14	85.2			10 - 105	85%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	13500							
1146-65-2	Naphthalene-d8	60600							
15067-26-2	Acenaphthene-d10	47400							
1517-22-2	Phenanthrene-d10	116000							
1719-03-5	Chrysene-d12	126000							
1520-96-3	Perylene-d12	136000							

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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:	PB170144BS	SDG No.:	Q3363
Lab Sample ID:	PB170144BS	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	100
Sample Wt/Vol:	30.01 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/17/25		

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:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	COMP01-20251015MS	SDG No.:	Q3363
Lab Sample ID:	Q3363-05MS	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	55.4
Sample Wt/Vol:	30.02 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	1200		1	280	600	ug/Kg	10/17/25 17:10	PB170144
108-95-2	Phenol	2800		1	39.9	310	ug/Kg	10/17/25 17:10	PB170144
111-44-4	bis(2-Chloroethyl)ether	2600		1	43.8	310	ug/Kg	10/17/25 17:10	PB170144
95-57-8	2-Chlorophenol	2800		1	44.0	310	ug/Kg	10/17/25 17:10	PB170144
95-48-7	2-Methylphenol	2800		1	53.9	310	ug/Kg	10/17/25 17:10	PB170144
108-60-1	2,2-oxybis(1-Chloropropane)	2400		1	67.6	310	ug/Kg	10/17/25 17:10	PB170144
98-86-2	Acetophenone	3100		1	53.2	310	ug/Kg	10/17/25 17:10	PB170144
65794-96-9	3+4-Methylphenols	2600		1	74.1	600	ug/Kg	10/17/25 17:10	PB170144
621-64-7	n-Nitroso-di-n-propylamine	2500		1	85.5	140	ug/Kg	10/17/25 17:10	PB170144
67-72-1	Hexachloroethane	2700		1	31.7	310	ug/Kg	10/17/25 17:10	PB170144
98-95-3	Nitrobenzene	2700		1	33.0	310	ug/Kg	10/17/25 17:10	PB170144
78-59-1	Isophorone	2600		1	59.2	310	ug/Kg	10/17/25 17:10	PB170144
88-75-5	2-Nitrophenol	2800		1	100	310	ug/Kg	10/17/25 17:10	PB170144
105-67-9	2,4-Dimethylphenol	3000		1	120	310	ug/Kg	10/17/25 17:10	PB170144
111-91-1	bis(2-Chloroethoxy)methane	2700		1	55.6	310	ug/Kg	10/17/25 17:10	PB170144
120-83-2	2,4-Dichlorophenol	2900		1	51.0	310	ug/Kg	10/17/25 17:10	PB170144
91-20-3	Naphthalene	2900		1	40.9	310	ug/Kg	10/17/25 17:10	PB170144
106-47-8	4-Chloroaniline	1200		1	63.9	310	ug/Kg	10/17/25 17:10	PB170144
87-68-3	Hexachlorobutadiene	3000		1	45.6	310	ug/Kg	10/17/25 17:10	PB170144
105-60-2	Caprolactam	2400		1	94.0	600	ug/Kg	10/17/25 17:10	PB170144
59-50-7	4-Chloro-3-methylphenol	2800		1	51.8	310	ug/Kg	10/17/25 17:10	PB170144
91-57-6	2-Methylnaphthalene	2500		1	46.2	310	ug/Kg	10/17/25 17:10	PB170144
77-47-4	Hexachlorocyclopentadiene	7700	E	1	210	600	ug/Kg	10/17/25 17:10	PB170144
88-06-2	2,4,6-Trichlorophenol	2900		1	35.7	310	ug/Kg	10/17/25 17:10	PB170144
95-95-4	2,4,5-Trichlorophenol	2900		1	52.5	310	ug/Kg	10/17/25 17:10	PB170144
92-52-4	1,1-Biphenyl	3100		1	39.3	310	ug/Kg	10/17/25 17:10	PB170144
91-58-7	2-Chloronaphthalene	2800		1	40.6	310	ug/Kg	10/17/25 17:10	PB170144
88-74-4	2-Nitroaniline	2700		1	86.8	310	ug/Kg	10/17/25 17:10	PB170144
131-11-3	Dimethylphthalate	2600		1	48.9	310	ug/Kg	10/17/25 17:10	PB170144
208-96-8	Acenaphthylene	3200		1	52.1	310	ug/Kg	10/17/25 17:10	PB170144
606-20-2	2,6-Dinitrotoluene	2800		1	60.6	310	ug/Kg	10/17/25 17:10	PB170144
99-09-2	3-Nitroaniline	1900		1	83.0	310	ug/Kg	10/17/25 17:10	PB170144
83-32-9	Acenaphthene	2700		1	38.4	310	ug/Kg	10/17/25 17:10	PB170144
51-28-5	2,4-Dinitrophenol	4900	E	1	410	600	ug/Kg	10/17/25 17:10	PB170144
100-02-7	4-Nitrophenol	5700	E	1	190	600	ug/Kg	10/17/25 17:10	PB170144
132-64-9	Dibenzofuran	2700		1	40.9	310	ug/Kg	10/17/25 17:10	PB170144
121-14-2	2,4-Dinitrotoluene	2800		1	90.4	310	ug/Kg	10/17/25 17:10	PB170144
84-66-2	Diethylphthalate	2600		1	51.0	310	ug/Kg	10/17/25 17:10	PB170144
7005-72-3	4-Chlorophenyl-phenylether	2700		1	48.2	310	ug/Kg	10/17/25 17:10	PB170144
86-73-7	Fluorene	2800		1	45.6	310	ug/Kg	10/17/25 17:10	PB170144
100-01-6	4-Nitroaniline	2800		1	120	310	ug/Kg	10/17/25 17:10	PB170144
534-52-1	4,6-Dinitro-2-methylphenol	2900		1	190	600	ug/Kg	10/17/25 17:10	PB170144

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Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	COMP01-20251015MS	SDG No.:	Q3363
Lab Sample ID:	Q3363-05MS	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	55.4
Sample Wt/Vol:	30.02 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	2900		1	59.3	310	ug/Kg	10/17/25 17:10	PB170144
101-55-3	4-Bromophenyl-phenylether	2900		1	50.1	310	ug/Kg	10/17/25 17:10	PB170144
118-74-1	Hexachlorobenzene	2900		1	45.6	310	ug/Kg	10/17/25 17:10	PB170144
1912-24-9	Atrazine	3000		1	61.3	310	ug/Kg	10/17/25 17:10	PB170144
87-86-5	Pentachlorophenol	6300	E	1	92.5	600	ug/Kg	10/17/25 17:10	PB170144
85-01-8	Phenanthrene	2900		1	37.7	310	ug/Kg	10/17/25 17:10	PB170144
120-12-7	Anthracene	2900		1	60.1	310	ug/Kg	10/17/25 17:10	PB170144
86-74-8	Carbazole	3000		1	56.3	310	ug/Kg	10/17/25 17:10	PB170144
84-74-2	Di-n-butylphthalate	2900		1	86.4	310	ug/Kg	10/17/25 17:10	PB170144
206-44-0	Fluoranthene	3100		1	54.1	310	ug/Kg	10/17/25 17:10	PB170144
129-00-0	Pyrene	2700		1	64.9	310	ug/Kg	10/17/25 17:10	PB170144
85-68-7	Butylbenzylphthalate	2800		1	130	310	ug/Kg	10/17/25 17:10	PB170144
91-94-1	3,3-Dichlorobenzidine	1400		1	66.2	600	ug/Kg	10/17/25 17:10	PB170144
56-55-3	Benzo(a)anthracene	2900		1	41.5	310	ug/Kg	10/17/25 17:10	PB170144
218-01-9	Chrysene	2900		1	35.9	310	ug/Kg	10/17/25 17:10	PB170144
117-81-7	Bis(2-ethylhexyl)phthalate	2900		1	110	310	ug/Kg	10/17/25 17:10	PB170144
117-84-0	Di-n-octyl phthalate	2900		1	160	600	ug/Kg	10/17/25 17:10	PB170144
205-99-2	Benzo(b)fluoranthene	3000		1	34.3	310	ug/Kg	10/17/25 17:10	PB170144
207-08-9	Benzo(k)fluoranthene	2800		1	40.4	310	ug/Kg	10/17/25 17:10	PB170144
50-32-8	Benzo(a)pyrene	3100		1	53.2	310	ug/Kg	10/17/25 17:10	PB170144
193-39-5	Indeno(1,2,3-cd)pyrene	3000		1	52.5	310	ug/Kg	10/17/25 17:10	PB170144
53-70-3	Dibenzo(a,h)anthracene	2900		1	49.4	310	ug/Kg	10/17/25 17:10	PB170144
191-24-2	Benzo(g,h,i)perylene	3100		1	46.4	310	ug/Kg	10/17/25 17:10	PB170144
95-94-3	1,2,4,5-Tetrachlorobenzene	3200		1	46.2	310	ug/Kg	10/17/25 17:10	PB170144
123-91-1	1,4-Dioxane	2100		1	81.5	310	ug/Kg	10/17/25 17:10	PB170144
58-90-2	2,3,4,6-Tetrachlorophenol	2900		1	49.4	310	ug/Kg	10/17/25 17:10	PB170144
SURROGATES									
367-12-4	2-Fluorophenol	80.7			18 - 112	54%	SPK: 150		
13127-88-3	Phenol-d6	76.7			15 - 107	51%	SPK: 150		
4165-60-0	Nitrobenzene-d5	50.5			18 - 107	50%	SPK: 100		
321-60-8	2-Fluorobiphenyl	42.2			20 - 109	42%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	80.7			10 - 116	54%	SPK: 150		
1718-51-0	Terphenyl-d14	42.8			10 - 105	43%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	15000							
1146-65-2	Naphthalene-d8	59800							
15067-26-2	Acenaphthene-d10	44300							
1517-22-2	Phenanthrene-d10	105000							
1719-03-5	Chrysene-d12	120000							
1520-96-3	Perylene-d12	135000							

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Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	COMP01-20251015MS	SDG No.:	Q3363
Lab Sample ID:	Q3363-05MS	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	55.4
Sample Wt/Vol:	30.02 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/17/25		

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:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	COMP01-20251015MSD	SDG No.:	Q3363
Lab Sample ID:	Q3363-05MSD	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	55.4
Sample Wt/Vol:	30.04 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	1600		1	280	590	ug/Kg	10/17/25 17:51	PB170144
108-95-2	Phenol	3400		1	39.8	310	ug/Kg	10/17/25 17:51	PB170144
111-44-4	bis(2-Chloroethyl)ether	3200		1	43.8	310	ug/Kg	10/17/25 17:51	PB170144
95-57-8	2-Chlorophenol	3500		1	44.0	310	ug/Kg	10/17/25 17:51	PB170144
95-48-7	2-Methylphenol	3500		1	53.9	310	ug/Kg	10/17/25 17:51	PB170144
108-60-1	2,2-oxybis(1-Chloropropane)	3000		1	67.6	310	ug/Kg	10/17/25 17:51	PB170144
98-86-2	Acetophenone	3800		1	53.2	310	ug/Kg	10/17/25 17:51	PB170144
65794-96-9	3+4-Methylphenols	3400		1	74.1	590	ug/Kg	10/17/25 17:51	PB170144
621-64-7	n-Nitroso-di-n-propylamine	3200		1	85.4	140	ug/Kg	10/17/25 17:51	PB170144
67-72-1	Hexachloroethane	3400		1	31.7	310	ug/Kg	10/17/25 17:51	PB170144
98-95-3	Nitrobenzene	3400		1	33.0	310	ug/Kg	10/17/25 17:51	PB170144
78-59-1	Isophorone	3200		1	59.1	310	ug/Kg	10/17/25 17:51	PB170144
88-75-5	2-Nitrophenol	3400		1	100	310	ug/Kg	10/17/25 17:51	PB170144
105-67-9	2,4-Dimethylphenol	3900		1	120	310	ug/Kg	10/17/25 17:51	PB170144
111-91-1	bis(2-Chloroethoxy)methane	3300		1	55.5	310	ug/Kg	10/17/25 17:51	PB170144
120-83-2	2,4-Dichlorophenol	3600		1	51.0	310	ug/Kg	10/17/25 17:51	PB170144
91-20-3	Naphthalene	3500		1	40.9	310	ug/Kg	10/17/25 17:51	PB170144
106-47-8	4-Chloroaniline	1300		1	63.8	310	ug/Kg	10/17/25 17:51	PB170144
87-68-3	Hexachlorobutadiene	3600		1	45.6	310	ug/Kg	10/17/25 17:51	PB170144
105-60-2	Caprolactam	3200		1	93.9	590	ug/Kg	10/17/25 17:51	PB170144
59-50-7	4-Chloro-3-methylphenol	3500		1	51.7	310	ug/Kg	10/17/25 17:51	PB170144
91-57-6	2-Methylnaphthalene	3000		1	46.1	310	ug/Kg	10/17/25 17:51	PB170144
77-47-4	Hexachlorocyclopentadiene	8800	E	1	210	590	ug/Kg	10/17/25 17:51	PB170144
88-06-2	2,4,6-Trichlorophenol	3500		1	35.7	310	ug/Kg	10/17/25 17:51	PB170144
95-95-4	2,4,5-Trichlorophenol	3400		1	52.5	310	ug/Kg	10/17/25 17:51	PB170144
92-52-4	1,1-Biphenyl	3600		1	39.3	310	ug/Kg	10/17/25 17:51	PB170144
91-58-7	2-Chloronaphthalene	3300		1	40.6	310	ug/Kg	10/17/25 17:51	PB170144
88-74-4	2-Nitroaniline	3300		1	86.7	310	ug/Kg	10/17/25 17:51	PB170144
131-11-3	Dimethylphthalate	3100		1	48.9	310	ug/Kg	10/17/25 17:51	PB170144
208-96-8	Acenaphthylene	3800		1	52.1	310	ug/Kg	10/17/25 17:51	PB170144
606-20-2	2,6-Dinitrotoluene	3300		1	60.6	310	ug/Kg	10/17/25 17:51	PB170144
99-09-2	3-Nitroaniline	2000		1	82.9	310	ug/Kg	10/17/25 17:51	PB170144
83-32-9	Acenaphthene	3200		1	38.4	310	ug/Kg	10/17/25 17:51	PB170144
51-28-5	2,4-Dinitrophenol	5700	E	1	410	590	ug/Kg	10/17/25 17:51	PB170144
100-02-7	4-Nitrophenol	6700	E	1	190	590	ug/Kg	10/17/25 17:51	PB170144
132-64-9	Dibenzofuran	3300		1	40.9	310	ug/Kg	10/17/25 17:51	PB170144
121-14-2	2,4-Dinitrotoluene	3300		1	90.3	310	ug/Kg	10/17/25 17:51	PB170144
84-66-2	Diethylphthalate	3100		1	51.0	310	ug/Kg	10/17/25 17:51	PB170144
7005-72-3	4-Chlorophenyl-phenylether	3200		1	48.1	310	ug/Kg	10/17/25 17:51	PB170144
86-73-7	Fluorene	3400		1	45.6	310	ug/Kg	10/17/25 17:51	PB170144
100-01-6	4-Nitroaniline	3300		1	120	310	ug/Kg	10/17/25 17:51	PB170144
534-52-1	4,6-Dinitro-2-methylphenol	3400		1	190	590	ug/Kg	10/17/25 17:51	PB170144

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Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	COMP01-20251015MSD	SDG No.:	Q3363
Lab Sample ID:	Q3363-05MSD	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	55.4
Sample Wt/Vol:	30.04 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	3600		1	59.3	310	ug/Kg	10/17/25 17:51	PB170144
101-55-3	4-Bromophenyl-phenylether	3500		1	50.1	310	ug/Kg	10/17/25 17:51	PB170144
118-74-1	Hexachlorobenzene	3500		1	45.6	310	ug/Kg	10/17/25 17:51	PB170144
1912-24-9	Atrazine	3700		1	61.3	310	ug/Kg	10/17/25 17:51	PB170144
87-86-5	Pentachlorophenol	7600	E	1	92.5	590	ug/Kg	10/17/25 17:51	PB170144
85-01-8	Phenanthrene	3400		1	37.7	310	ug/Kg	10/17/25 17:51	PB170144
120-12-7	Anthracene	3500		1	60.0	310	ug/Kg	10/17/25 17:51	PB170144
86-74-8	Carbazole	3600		1	56.2	310	ug/Kg	10/17/25 17:51	PB170144
84-74-2	Di-n-butylphthalate	3500		1	86.3	310	ug/Kg	10/17/25 17:51	PB170144
206-44-0	Fluoranthene	3700		1	54.1	310	ug/Kg	10/17/25 17:51	PB170144
129-00-0	Pyrene	3400		1	64.9	310	ug/Kg	10/17/25 17:51	PB170144
85-68-7	Butylbenzylphthalate	3400		1	130	310	ug/Kg	10/17/25 17:51	PB170144
91-94-1	3,3-Dichlorobenzidine	1600		1	66.2	590	ug/Kg	10/17/25 17:51	PB170144
56-55-3	Benzo(a)anthracene	3700		1	41.5	310	ug/Kg	10/17/25 17:51	PB170144
218-01-9	Chrysene	3600		1	35.9	310	ug/Kg	10/17/25 17:51	PB170144
117-81-7	Bis(2-ethylhexyl)phthalate	3600		1	110	310	ug/Kg	10/17/25 17:51	PB170144
117-84-0	Di-n-octyl phthalate	3500		1	160	590	ug/Kg	10/17/25 17:51	PB170144
205-99-2	Benzo(b)fluoranthene	3500		1	34.3	310	ug/Kg	10/17/25 17:51	PB170144
207-08-9	Benzo(k)fluoranthene	3500		1	40.4	310	ug/Kg	10/17/25 17:51	PB170144
50-32-8	Benzo(a)pyrene	3800		1	53.2	310	ug/Kg	10/17/25 17:51	PB170144
193-39-5	Indeno(1,2,3-cd)pyrene	3500		1	52.5	310	ug/Kg	10/17/25 17:51	PB170144
53-70-3	Dibenzo(a,h)anthracene	3600		1	49.4	310	ug/Kg	10/17/25 17:51	PB170144
191-24-2	Benzo(g,h,i)perylene	3800		1	46.3	310	ug/Kg	10/17/25 17:51	PB170144
95-94-3	1,2,4,5-Tetrachlorobenzene	3700		1	46.1	310	ug/Kg	10/17/25 17:51	PB170144
123-91-1	1,4-Dioxane	2700		1	81.5	310	ug/Kg	10/17/25 17:51	PB170144
58-90-2	2,3,4,6-Tetrachlorophenol	3500		1	49.4	310	ug/Kg	10/17/25 17:51	PB170144
SURROGATES									
367-12-4	2-Fluorophenol	100			18 - 112	67%	SPK: 150		
13127-88-3	Phenol-d6	95.3			15 - 107	64%	SPK: 150		
4165-60-0	Nitrobenzene-d5	59.1			18 - 107	59%	SPK: 100		
321-60-8	2-Fluorobiphenyl	48.8			20 - 109	49%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	93.5			10 - 116	62%	SPK: 150		
1718-51-0	Terphenyl-d14	52.2			10 - 105	52%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	13000							
1146-65-2	Naphthalene-d8	53800							
15067-26-2	Acenaphthene-d10	42300							
1517-22-2	Phenanthrene-d10	98600							
1719-03-5	Chrysene-d12	108000							
1520-96-3	Perylene-d12	125000							

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

Report of Analysis

Client:	AECOM	Date Collected:	10/15/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/15/25
Client Sample ID:	COMP01-20251015MSD	SDG No.:	Q3363
Lab Sample ID:	Q3363-05MSD	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	55.4
Sample Wt/Vol:	30.04 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/17/25		

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.: Q3363

Instrument ID: BNA_F Calibration Date/Time: 10/17/2025 14:43

Lab File ID: BF143984.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	1.280		1.7	
Benzaldehyde	1.158	1.188		2.6	
Phenol-d6	1.501	1.459		-2.8	
Phenol	1.795	1.831		2.0	20.0
bis(2-Chloroethyl)ether	1.386	1.382		-0.3	
2-Chlorophenol	1.231	1.249		1.5	
2-Methylphenol	1.017	0.961		-5.5	
2,2-oxybis(1-Chloropropane)	3.156	3.010		-4.6	
Acetophenone	0.423	0.381		-9.9	
3+4-Methylphenols	1.179	1.047		-11.2	
n-Nitroso-di-n-propylamine	1.028	0.825	0.050	-19.7	
Nitrobenzene-d5	0.329	0.339		3.0	
Hexachloroethane	0.485	0.497		2.5	
Nitrobenzene	0.366	0.379		3.6	
Isophorone	0.694	0.621		-10.5	
2-Nitrophenol	0.157	0.180		14.6	20.0
2,4-Dimethylphenol	0.282	0.269		-4.6	
bis(2-Chloroethoxy)methane	0.438	0.391		-10.7	
2,4-Dichlorophenol	0.294	0.278		-5.4	20.0
Naphthalene	0.910	0.854		-6.2	
4-Chloroaniline	0.341	0.302		-11.4	
Hexachlorobutadiene	0.201	0.204		1.5	20.0
Caprolactam	0.093	0.081		-12.9	
4-Chloro-3-methylphenol	0.282	0.249		-11.7	20.0
2-Methylnaphthalene	0.606	0.543		-10.4	
Hexachlorocyclopentadiene	0.229	0.200	0.050	-12.7	
2,4,6-Trichlorophenol	0.404	0.399		-1.2	20.0
2-Fluorobiphenyl	1.260	1.153		-8.5	
2,4,5-Trichlorophenol	0.427	0.438		2.6	
1,1-Biphenyl	1.324	1.266		-4.4	
2-Chloronaphthalene	1.104	1.099		-0.5	
2-Nitroaniline	0.349	0.371		6.3	
Dimethylphthalate	1.270	1.231		-3.1	
Acenaphthylene	1.552	1.478		-4.8	
2,6-Dinitrotoluene	0.236	0.269		14.0	
3-Nitroaniline	0.288	0.301		4.5	
Acenaphthene	1.017	0.979		-3.7	20.0
2,4-Dinitrophenol	0.118	0.125	0.050	5.9	
4-Nitrophenol	0.218	0.208	0.050	-4.6	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG No.: Q3363

Instrument ID: BNA_F Calibration Date/Time: 10/17/2025 14:43

Lab File ID: BF143984.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	1.377		-4.1	
2,4-Dinitrotoluene	0.320	0.353		10.3	
Diethylphthalate	1.180	1.122		-4.9	
4-Chlorophenyl-phenylether	0.573	0.557		-2.8	
Fluorene	1.083	1.025		-5.4	
4-Nitroaniline	0.277	0.281		1.4	
4,6-Dinitro-2-methylphenol	0.101	0.119		17.8	
n-Nitrosodiphenylamine	0.628	0.616		-1.9	20.0
2,4,6-Tribromophenol	0.199	0.203		2.0	
4-Bromophenyl-phenylether	0.221	0.223		0.9	
Hexachlorobenzene	0.256	0.259		1.2	
Atrazine	0.190	0.184		-3.2	
Pentachlorophenol	0.147	0.138		-6.1	20.0
Phenanthrene	0.970	0.937		-3.4	
Anthracene	0.980	0.945		-3.6	
Carbazole	0.868	0.826		-4.8	
Di-n-butylphthalate	1.005	1.007		0.2	
Fluoranthene	1.002	0.966		-3.6	20.0
Pyrene	1.667	1.585		-4.9	
Terphenyl-d14	1.170	1.142		-2.4	
Butylbenzylphthalate	0.542	0.583		7.6	
3,3-Dichlorobenzidine	0.399	0.420		5.3	
Benzo(a)anthracene	1.309	1.320		0.8	
Chrysene	1.211	1.224		1.1	
Bis(2-ethylhexyl)phthalate	0.653	0.757		15.9	
Di-n-octyl phthalate	1.072	1.316		22.8	20.0
Benzo(b)fluoranthene	1.149	1.127		-1.9	
Benzo(k)fluoranthene	1.063	1.054		-0.8	
Benzo(a)pyrene	0.996	1.008		1.2	20.0
Indeno(1,2,3-cd)pyrene	1.225	1.362		11.2	
Dibenzo(a,h)anthracene	0.986	1.080		9.5	
Benzo(g,h,i)perylene	0.986	1.082		9.7	
1,2,4,5-Tetrachlorobenzene	0.553	0.571		3.3	
1,4-Dioxane	0.583	0.584		0.2	20.0
2,3,4,6-Tetrachlorophenol	0.302	0.297		-1.7	

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.: Q3363

Instrument ID: BNA_G Calibration Date/Time: 10/17/2025 11:39

Lab File ID: BG064531.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	1.113		3.0	
Benzaldehyde	1.290	1.304		1.1	
Phenol-d6	1.452	1.455		0.2	
Phenol	1.532	1.529		-0.2	20.0
bis(2-Chloroethyl)ether	1.038	0.997		-4.0	
2-Chlorophenol	1.327	1.283		-3.3	
2-Methylphenol	1.109	1.130		1.9	
2,2-oxybis(1-Chloropropane)	1.672	1.548		-7.4	
Acetophenone	0.484	0.540		11.6	
3+4-Methylphenols	1.548	1.606		3.7	
n-Nitroso-di-n-propylamine	0.971	0.972	0.050	0.1	
Nitrobenzene-d5	0.372	0.402		8.1	
Hexachloroethane	0.575	0.577		0.3	
Nitrobenzene	0.371	0.409		10.2	
Isophorone	0.674	0.713		5.8	
2-Nitrophenol	0.185	0.204		10.3	20.0
2,4-Dimethylphenol	0.282	0.317		12.4	
bis(2-Chloroethoxy)methane	0.343	0.372		8.5	
2,4-Dichlorophenol	0.326	0.361		10.7	20.0
Naphthalene	1.030	1.149		11.6	
4-Chloroaniline	0.395	0.421		6.6	
Hexachlorobutadiene	0.304	0.347		14.1	20.0
Caprolactam	0.112	0.111		-0.9	
4-Chloro-3-methylphenol	0.397	0.411		3.5	20.0
2-Methylnaphthalene	0.791	0.860		8.7	
Hexachlorocyclopentadiene	0.338	0.406	0.050	20.1	
2,4,6-Trichlorophenol	0.413	0.466		12.8	20.0
2-Fluorobiphenyl	1.357	1.481		9.1	
2,4,5-Trichlorophenol	0.461	0.502		8.9	
1,1-Biphenyl	1.438	1.539		7.0	
2-Chloronaphthalene	1.074	1.146		6.7	
2-Nitroaniline	0.367	0.392		6.8	
Dimethylphthalate	1.566	1.640		4.7	
Acenaphthylene	1.594	1.714		7.5	
2,6-Dinitrotoluene	0.326	0.349		7.1	
3-Nitroaniline	0.301	0.321		6.6	
Acenaphthene	1.108	1.183		6.8	20.0
2,4-Dinitrophenol	0.237	0.220	0.050	-7.2	
4-Nitrophenol	0.237	0.234	0.050	-1.3	

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG No.: Q3363

Instrument ID: BNA_G Calibration Date/Time: 10/17/2025 11:39

Lab File ID: BG064531.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	1.943		6.2	
2,4-Dinitrotoluene	0.499	0.528		5.8	
Diethylphthalate	1.680	1.715		2.1	
4-Chlorophenyl-phenylether	0.830	0.889		7.1	
Fluorene	1.520	1.624		6.8	
4-Nitroaniline	0.314	0.353		12.4	
4,6-Dinitro-2-methylphenol	0.139	0.145		4.3	
n-Nitrosodiphenylamine	0.534	0.548		2.6	20.0
2,4,6-Tribromophenol	0.363	0.392		8.0	
4-Bromophenyl-phenylether	0.235	0.258		9.8	
Hexachlorobenzene	0.269	0.295		9.7	
Atrazine	0.238	0.236		-0.8	
Pentachlorophenol	0.157	0.175		11.5	20.0
Phenanthrene	1.046	1.105		5.6	
Anthracene	1.049	1.104		5.2	
Carbazole	0.907	0.960		5.8	
Di-n-butylphthalate	1.107	1.186		7.1	
Fluoranthene	1.250	1.360		8.8	20.0
Pyrene	1.298	1.327		2.2	
Terphenyl-d14	1.057	1.109		4.9	
Butylbenzylphthalate	0.460	0.494		7.4	
3,3-Dichlorobenzidine	0.432	0.452		4.6	
Benzo(a)anthracene	1.277	1.360		6.5	
Chrysene	1.211	1.267		4.6	
Bis(2-ethylhexyl)phthalate	0.649	0.699		7.7	
Di-n-octyl phthalate	1.091	1.197		9.7	20.0
Benzo(b)fluoranthene	1.138	1.210		6.3	
Benzo(k)fluoranthene	1.146	1.228		7.2	
Benzo(a)pyrene	1.049	1.116		6.4	20.0
Indeno(1,2,3-cd)pyrene	1.392	1.482		6.5	
Dibenzo(a,h)anthracene	1.113	1.209		8.6	
Benzo(g,h,i)perylene	1.082	1.142		5.5	
1,2,4,5-Tetrachlorobenzene	0.646	0.729		12.8	
1,4-Dioxane	0.427	0.353		-17.3	20.0
2,3,4,6-Tetrachlorophenol	0.470	0.493		4.9	

All other compounds must meet a minimum RRF of 0.010.