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

LAB CHRONICLE

OrderID:	Q3419	**OrderDate:**	10/22/2025 11:01:00 AM
Client:	AECOM	**Project:**	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Contact:	Rob Forstner	**Location:**	D41,VOA- Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3419-01	**PR-132-S16-015094-2 0251021**	**SOIL**			**10/21/25**			**10/21/25**
			SVOC-TCL BNA -20	8270E		10/23/25	10/29/25	
Q3419-04	**PR132-S16-119133-2 0251021**	**SOIL**			**10/21/25**			**10/21/25**
			SVOC-TCL BNA -20	8270E		10/23/25	10/29/25	
Q3419-05	**PR132-S16-094119-2 0251021**	**SOIL**			**10/21/25**			**10/21/25**
			SVOC-TCL BNA -20	8270E		10/23/25	10/28/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3419

Client: AECOM

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID :	**PR-132-S16-015094-20251021**								
Q3419-01	PR-132-S16-015094-202	SOIL	Benzophenone	*	350.000	J	0	0	ug/Kg
Q3419-01	PR-132-S16-015094-202	SOIL	Cyclohexane	*	370.000	J	0	0	ug/Kg
Q3419-01	PR-132-S16-015094-202	SOIL	n-Hexadecanoic acid	*	670.000	J	0	0	ug/Kg
Q3419-01	PR-132-S16-015094-202	SOIL	Z-5-Nonadecene	*	210.000	J	0	0	ug/Kg
			Total Tics :		**1,600.00**				
			Total Concentration:		**1,600.00**				
Client ID :	**PR132-S16-119133-20251021**								
Q3419-04	PR132-S16-119133-2025	SOIL	Phenanthrene		420.000		40.4	330	ug/Kg
Q3419-04	PR132-S16-119133-2025	SOIL	Anthracene		180.000	J	64.4	330	ug/Kg
Q3419-04	PR132-S16-119133-2025	SOIL	Fluoranthene		520.000		58	330	ug/Kg
Q3419-04	PR132-S16-119133-2025	SOIL	Pyrene		550.000		69.6	330	ug/Kg
Q3419-04	PR132-S16-119133-2025	SOIL	Benzo(a)anthracene		390.000		44.5	330	ug/Kg
Q3419-04	PR132-S16-119133-2025	SOIL	Chrysene		370.000		38.5	330	ug/Kg
Q3419-04	PR132-S16-119133-2025	SOIL	Benzo(b)fluoranthene		410.000		36.7	330	ug/Kg
Q3419-04	PR132-S16-119133-2025	SOIL	Benzo(a)pyrene		380.000		57	330	ug/Kg
Q3419-04	PR132-S16-119133-2025	SOIL	Benzo(g,h,i)perylene		130.000	J	49.7	330	ug/Kg
			Total Svoc :		**3,350.00**				
Q3419-04	PR132-S16-119133-2025	SOIL	2,6,10-Trimethyltridecane	*	760.000	J	0	0	ug/Kg
Q3419-04	PR132-S16-119133-2025	SOIL	2-Bromo dodecane	*	560.000	J	0	0	ug/Kg
Q3419-04	PR132-S16-119133-2025	SOIL	Retene	*	510.000	J	0	0	ug/Kg
Q3419-04	PR132-S16-119133-2025	SOIL	Cyclohexane, 2-butyl-1,1,3-trimet	*	220.000	J	0	0	ug/Kg
Q3419-04	PR132-S16-119133-2025	SOIL	Dodecane, 2,6,10-trimethyl-	*	550.000	J	0	0	ug/Kg
			Total Tics :		**2,600.00**				
			Total Concentration:		**5,950.00**				
Client ID :	**PR132-S16-094119-20251021**								
Q3419-05	PR132-S16-094119-2025	SOIL	Acenaphthene		210.000	J	45.3	360	ug/Kg
Q3419-05	PR132-S16-094119-2025	SOIL	Dibenzofuran		240.000	J	48.3	360	ug/Kg
Q3419-05	PR132-S16-094119-2025	SOIL	Fluorene		660.000		53.8	360	ug/Kg
Q3419-05	PR132-S16-094119-2025	SOIL	Phenanthrene		4,400.000		44.5	360	ug/Kg
Q3419-05	PR132-S16-094119-2025	SOIL	Anthracene		3,100.000		70.9	360	ug/Kg
Q3419-05	PR132-S16-094119-2025	SOIL	Carbazole		920.000		66.4	360	ug/Kg
Q3419-05	PR132-S16-094119-2025	SOIL	Fluoranthene		5,200.000		63.8	360	ug/Kg
Q3419-05	PR132-S16-094119-2025	SOIL	Pyrene		2,800.000		76.6	360	ug/Kg
Q3419-05	PR132-S16-094119-2025	SOIL	Benzo(a)anthracene		1,100.000		48.9	360	ug/Kg
Q3419-05	PR132-S16-094119-2025	SOIL	Chrysene		1,200.000		42.3	360	ug/Kg
Q3419-05	PR132-S16-094119-2025	SOIL	Bis(2-ethylhexyl)phthalate		180.000	J	130	360	ug/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q3419

Client: AECOM

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Q3419-05	PR132-S16-094119-2025	SOIL	Benzo(b)fluoranthene		470.000		40.4	360	ug/Kg
Q3419-05	PR132-S16-094119-2025	SOIL	Benzo(k)fluoranthene		190.000	J	47.7	360	ug/Kg
Q3419-05	PR132-S16-094119-2025	SOIL	Benzo(a)pyrene		320.000	J	62.8	360	ug/Kg
			Total Svoc :		**20,990.00**				
Q3419-05	PR132-S16-094119-2025	SOIL	Dibenzothiophene	*	550.000	J	0	0	ug/Kg
Q3419-05	PR132-S16-094119-2025	SOIL	di-p-Tolylacetylene	*	290.000	J	0	0	ug/Kg
Q3419-05	PR132-S16-094119-2025	SOIL	Benzo[e]pyrene	*	310.000	J	0	0	ug/Kg
Q3419-05	PR132-S16-094119-2025	SOIL	Benzophenone	*	500.000	J	0	0	ug/Kg
Q3419-05	PR132-S16-094119-2025	SOIL	1,1-Biphenyl, 2,2,5,5-tetrameth	*	300.000	J	0	0	ug/Kg
Q3419-05	PR132-S16-094119-2025	SOIL	11H-Benzo[b]fluorene	*	520.000	J	0	0	ug/Kg
Q3419-05	PR132-S16-094119-2025	SOIL	1H-Cyclopropa[l]phenanthrene,1a	*	510.000	J	0	0	ug/Kg
Q3419-05	PR132-S16-094119-2025	SOIL	Naphthalene, 2-methyl-	*	200.000	J	0	0	ug/Kg
Q3419-05	PR132-S16-094119-2025	SOIL	Naphthalene, 2-phenyl-	*	560.000	J	0	0	ug/Kg
Q3419-05	PR132-S16-094119-2025	SOIL	Phenanthrene, 1-methyl-	*	840.000	J	0	0	ug/Kg
Q3419-05	PR132-S16-094119-2025	SOIL	Phenanthrene, 2-methyl-	*	1,000.000	J	0	0	ug/Kg
			Total Tics :		**5,580.00**				
			Total Concentration:		**26,570.00**				

SAMPLE DATA

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Report of Analysis

Client:	AECOM	Date Collected:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/21/25
Client Sample ID:	PR-132-S16-015094-20251021	SDG No.:	Q3419
Lab Sample ID:	Q3419-01	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	54.4
Sample Wt/Vol:	30.06 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	610	U	1	290	610	ug/Kg	10/29/25 16:53	PB170215
108-95-2	Phenol	310	U	1	40.5	310	ug/Kg	10/29/25 16:53	PB170215
111-44-4	bis(2-Chloroethyl)ether	310	U	1	44.6	310	ug/Kg	10/29/25 16:53	PB170215
95-57-8	2-Chlorophenol	310	U	1	44.8	310	ug/Kg	10/29/25 16:53	PB170215
95-48-7	2-Methylphenol	310	U	1	54.9	310	ug/Kg	10/29/25 16:53	PB170215
108-60-1	2,2-oxybis(1-Chloropropane)	310	U	1	68.8	310	ug/Kg	10/29/25 16:53	PB170215
98-86-2	Acetophenone	310	U	1	54.1	310	ug/Kg	10/29/25 16:53	PB170215
65794-96-9	3+4-Methylphenols	610	U	1	75.4	610	ug/Kg	10/29/25 16:53	PB170215
621-64-7	n-Nitroso-di-n-propylamine	150	U	1	87.0	150	ug/Kg	10/29/25 16:53	PB170215
67-72-1	Hexachloroethane	310	U	1	32.3	310	ug/Kg	10/29/25 16:53	PB170215
98-95-3	Nitrobenzene	310	U	1	33.6	310	ug/Kg	10/29/25 16:53	PB170215
78-59-1	Isophorone	310	U	1	60.2	310	ug/Kg	10/29/25 16:53	PB170215
88-75-5	2-Nitrophenol	310	U	1	110	310	ug/Kg	10/29/25 16:53	PB170215
105-67-9	2,4-Dimethylphenol	310	U	1	120	310	ug/Kg	10/29/25 16:53	PB170215
111-91-1	bis(2-Chloroethoxy)methane	310	U	1	56.5	310	ug/Kg	10/29/25 16:53	PB170215
120-83-2	2,4-Dichlorophenol	310	U	1	51.9	310	ug/Kg	10/29/25 16:53	PB170215
91-20-3	Naphthalene	310	U	1	41.6	310	ug/Kg	10/29/25 16:53	PB170215
106-47-8	4-Chloroaniline	310	U	1	64.9	310	ug/Kg	10/29/25 16:53	PB170215
87-68-3	Hexachlorobutadiene	310	U	1	46.4	310	ug/Kg	10/29/25 16:53	PB170215
105-60-2	Caprolactam	610	U	1	95.6	610	ug/Kg	10/29/25 16:53	PB170215
59-50-7	4-Chloro-3-methylphenol	310	U	1	52.7	310	ug/Kg	10/29/25 16:53	PB170215
91-57-6	2-Methylnaphthalene	310	U	1	47.0	310	ug/Kg	10/29/25 16:53	PB170215
77-47-4	Hexachlorocyclopentadiene	610	U	1	210	610	ug/Kg	10/29/25 16:53	PB170215
88-06-2	2,4,6-Trichlorophenol	310	U	1	36.3	310	ug/Kg	10/29/25 16:53	PB170215
95-95-4	2,4,5-Trichlorophenol	310	U	1	53.4	310	ug/Kg	10/29/25 16:53	PB170215
92-52-4	1,1-Biphenyl	310	U	1	40.0	310	ug/Kg	10/29/25 16:53	PB170215
91-58-7	2-Chloronaphthalene	310	U	1	41.3	310	ug/Kg	10/29/25 16:53	PB170215
88-74-4	2-Nitroaniline	310	U	1	88.2	310	ug/Kg	10/29/25 16:53	PB170215
131-11-3	Dimethylphthalate	310	U	1	49.7	310	ug/Kg	10/29/25 16:53	PB170215
208-96-8	Acenaphthylene	310	U	1	53.0	310	ug/Kg	10/29/25 16:53	PB170215
606-20-2	2,6-Dinitrotoluene	310	U	1	61.6	310	ug/Kg	10/29/25 16:53	PB170215
99-09-2	3-Nitroaniline	310	U	1	84.4	310	ug/Kg	10/29/25 16:53	PB170215
83-32-9	Acenaphthene	310	U	1	39.1	310	ug/Kg	10/29/25 16:53	PB170215
51-28-5	2,4-Dinitrophenol	610	U	1	420	610	ug/Kg	10/29/25 16:53	PB170215
100-02-7	4-Nitrophenol	610	U	1	200	610	ug/Kg	10/29/25 16:53	PB170215
132-64-9	Dibenzofuran	310	U	1	41.6	310	ug/Kg	10/29/25 16:53	PB170215
121-14-2	2,4-Dinitrotoluene	310	U	1	91.9	310	ug/Kg	10/29/25 16:53	PB170215
84-66-2	Diethylphthalate	310	U	1	51.9	310	ug/Kg	10/29/25 16:53	PB170215
7005-72-3	4-Chlorophenyl-phenylether	310	U	1	49.0	310	ug/Kg	10/29/25 16:53	PB170215
86-73-7	Fluorene	310	U	1	46.4	310	ug/Kg	10/29/25 16:53	PB170215
100-01-6	4-Nitroaniline	310	U	1	120	310	ug/Kg	10/29/25 16:53	PB170215
534-52-1	4,6-Dinitro-2-methylphenol	610	U	1	190	610	ug/Kg	10/29/25 16:53	PB170215

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Report of Analysis

Client:	AECOM	Date Collected:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/21/25
Client Sample ID:	PR-132-S16-015094-20251021	SDG No.:	Q3419
Lab Sample ID:	Q3419-01	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	54.4
Sample Wt/Vol:	30.06 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	310	U	1	60.4	310	ug/Kg	10/29/25 16:53	PB170215
101-55-3	4-Bromophenyl-phenylether	310	U	1	51.0	310	ug/Kg	10/29/25 16:53	PB170215
118-74-1	Hexachlorobenzene	310	U	1	46.4	310	ug/Kg	10/29/25 16:53	PB170215
1912-24-9	Atrazine	310	U	1	62.4	310	ug/Kg	10/29/25 16:53	PB170215
87-86-5	Pentachlorophenol	610	U	1	94.1	610	ug/Kg	10/29/25 16:53	PB170215
85-01-8	Phenanthrene	310	U	1	38.3	310	ug/Kg	10/29/25 16:53	PB170215
120-12-7	Anthracene	310	U	1	61.1	310	ug/Kg	10/29/25 16:53	PB170215
86-74-8	Carbazole	310	U	1	57.2	310	ug/Kg	10/29/25 16:53	PB170215
84-74-2	Di-n-butylphthalate	310	U	1	87.9	310	ug/Kg	10/29/25 16:53	PB170215
206-44-0	Fluoranthene	310	U	1	55.0	310	ug/Kg	10/29/25 16:53	PB170215
129-00-0	Pyrene	310	U	1	66.0	310	ug/Kg	10/29/25 16:53	PB170215
85-68-7	Butylbenzylphthalate	310	U	1	130	310	ug/Kg	10/29/25 16:53	PB170215
91-94-1	3,3-Dichlorobenzidine	610	U	1	67.3	610	ug/Kg	10/29/25 16:53	PB170215
56-55-3	Benzo(a)anthracene	310	U	1	42.2	310	ug/Kg	10/29/25 16:53	PB170215
218-01-9	Chrysene	310	U	1	36.5	310	ug/Kg	10/29/25 16:53	PB170215
117-81-7	Bis(2-ethylhexyl)phthalate	310	U	1	110	310	ug/Kg	10/29/25 16:53	PB170215
117-84-0	Di-n-octyl phthalate	610	U	1	160	610	ug/Kg	10/29/25 16:53	PB170215
205-99-2	Benzo(b)fluoranthene	310	U	1	34.9	310	ug/Kg	10/29/25 16:53	PB170215
207-08-9	Benzo(k)fluoranthene	310	U	1	41.1	310	ug/Kg	10/29/25 16:53	PB170215
50-32-8	Benzo(a)pyrene	310	U	1	54.1	310	ug/Kg	10/29/25 16:53	PB170215
193-39-5	Indeno(1,2,3-cd)pyrene	310	U	1	53.4	310	ug/Kg	10/29/25 16:53	PB170215
53-70-3	Dibenzo(a,h)anthracene	310	U	1	50.3	310	ug/Kg	10/29/25 16:53	PB170215
191-24-2	Benzo(g,h,i)perylene	310	U	1	47.1	310	ug/Kg	10/29/25 16:53	PB170215
95-94-3	1,2,4,5-Tetrachlorobenzene	310	U	1	47.0	310	ug/Kg	10/29/25 16:53	PB170215
123-91-1	1,4-Dioxane	310	U	1	82.9	310	ug/Kg	10/29/25 16:53	PB170215
58-90-2	2,3,4,6-Tetrachlorophenol	310	U	1	50.3	310	ug/Kg	10/29/25 16:53	PB170215
SURROGATES									
367-12-4	2-Fluorophenol	91.2			18 - 112	61%	SPK: 150		
13127-88-3	Phenol-d6	88.1			15 - 107	59%	SPK: 150		
4165-60-0	Nitrobenzene-d5	74.0			18 - 107	74%	SPK: 100		
321-60-8	2-Fluorobiphenyl	57.0			20 - 109	57%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	116			10 - 116	77%	SPK: 150		
1718-51-0	Terphenyl-d14	55.0			10 - 105	55%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	33500							
1146-65-2	Naphthalene-d8	126000							
15067-26-2	Acenaphthene-d10	94500							
1517-22-2	Phenanthrene-d10	233000							
1719-03-5	Chrysene-d12	308000							
1520-96-3	Perylene-d12	345000							
TENTATIVE IDENTIFIED COMPOUNDS									
000110-82-7	Cyclohexane	370	J			3.20	ug/Kg		
000119-61-9	Benzophenone	350	J			16.2	ug/Kg		

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Report of Analysis

Client:	AECOM	Date Collected:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/21/25
Client Sample ID:	PR-132-S16-015094-20251021	SDG No.:	Q3419
Lab Sample ID:	Q3419-01	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	54.4
Sample Wt/Vol:	30.06 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
000057-10-3	n-Hexadecanoic acid	670	J			18.5	ug/Kg		
1000131-11-8	Z-5-Nonadecene	210	J			21.5	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:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/21/25
Client Sample ID:	PR132-S16-119133-20251021	SDG No.:	Q3419
Lab Sample ID:	Q3419-04	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	51.7
Sample Wt/Vol:	30.01 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/23/25		

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	10/29/25 14:03	PB170215
108-95-2	Phenol	330	U	1	42.7	330	ug/Kg	10/29/25 14:03	PB170215
111-44-4	bis(2-Chloroethyl)ether	330	U	1	47.0	330	ug/Kg	10/29/25 14:03	PB170215
95-57-8	2-Chlorophenol	330	U	1	47.2	330	ug/Kg	10/29/25 14:03	PB170215
95-48-7	2-Methylphenol	330	U	1	57.8	330	ug/Kg	10/29/25 14:03	PB170215
108-60-1	2,2-oxybis(1-Chloropropane)	330	U	1	72.5	330	ug/Kg	10/29/25 14:03	PB170215
98-86-2	Acetophenone	330	U	1	57.0	330	ug/Kg	10/29/25 14:03	PB170215
65794-96-9	3+4-Methylphenols	640	U	1	79.5	640	ug/Kg	10/29/25 14:03	PB170215
621-64-7	n-Nitroso-di-n-propylamine	150	U	1	91.7	150	ug/Kg	10/29/25 14:03	PB170215
67-72-1	Hexachloroethane	330	U	1	34.0	330	ug/Kg	10/29/25 14:03	PB170215
98-95-3	Nitrobenzene	330	U	1	35.4	330	ug/Kg	10/29/25 14:03	PB170215
78-59-1	Isophorone	330	U	1	63.4	330	ug/Kg	10/29/25 14:03	PB170215
88-75-5	2-Nitrophenol	330	U	1	110	330	ug/Kg	10/29/25 14:03	PB170215
105-67-9	2,4-Dimethylphenol	330	U	1	130	330	ug/Kg	10/29/25 14:03	PB170215
111-91-1	bis(2-Chloroethoxy)methane	330	U	1	59.6	330	ug/Kg	10/29/25 14:03	PB170215
120-83-2	2,4-Dichlorophenol	330	U	1	54.7	330	ug/Kg	10/29/25 14:03	PB170215
91-20-3	Naphthalene	330	U	1	43.9	330	ug/Kg	10/29/25 14:03	PB170215
106-47-8	4-Chloroaniline	330	U	1	68.4	330	ug/Kg	10/29/25 14:03	PB170215
87-68-3	Hexachlorobutadiene	330	U	1	48.9	330	ug/Kg	10/29/25 14:03	PB170215
105-60-2	Caprolactam	640	U	1	100	640	ug/Kg	10/29/25 14:03	PB170215
59-50-7	4-Chloro-3-methylphenol	330	U	1	55.5	330	ug/Kg	10/29/25 14:03	PB170215
91-57-6	2-Methylnaphthalene	330	U	1	49.5	330	ug/Kg	10/29/25 14:03	PB170215
77-47-4	Hexachlorocyclopentadiene	640	U	1	220	640	ug/Kg	10/29/25 14:03	PB170215
88-06-2	2,4,6-Trichlorophenol	330	U	1	38.3	330	ug/Kg	10/29/25 14:03	PB170215
95-95-4	2,4,5-Trichlorophenol	330	U	1	56.3	330	ug/Kg	10/29/25 14:03	PB170215
92-52-4	1,1-Biphenyl	330	U	1	42.2	330	ug/Kg	10/29/25 14:03	PB170215
91-58-7	2-Chloronaphthalene	330	U	1	43.5	330	ug/Kg	10/29/25 14:03	PB170215
88-74-4	2-Nitroaniline	330	U	1	93.0	330	ug/Kg	10/29/25 14:03	PB170215
131-11-3	Dimethylphthalate	330	U	1	52.4	330	ug/Kg	10/29/25 14:03	PB170215
208-96-8	Acenaphthylene	330	U	1	55.9	330	ug/Kg	10/29/25 14:03	PB170215
606-20-2	2,6-Dinitrotoluene	330	U	1	65.0	330	ug/Kg	10/29/25 14:03	PB170215
99-09-2	3-Nitroaniline	330	U	1	88.9	330	ug/Kg	10/29/25 14:03	PB170215
83-32-9	Acenaphthene	330	U	1	41.2	330	ug/Kg	10/29/25 14:03	PB170215
51-28-5	2,4-Dinitrophenol	640	U	1	440	640	ug/Kg	10/29/25 14:03	PB170215
100-02-7	4-Nitrophenol	640	U	1	210	640	ug/Kg	10/29/25 14:03	PB170215
132-64-9	Dibenzofuran	330	U	1	43.9	330	ug/Kg	10/29/25 14:03	PB170215
121-14-2	2,4-Dinitrotoluene	330	U	1	96.9	330	ug/Kg	10/29/25 14:03	PB170215
84-66-2	Diethylphthalate	330	U	1	54.7	330	ug/Kg	10/29/25 14:03	PB170215
7005-72-3	4-Chlorophenyl-phenylether	330	U	1	51.6	330	ug/Kg	10/29/25 14:03	PB170215
86-73-7	Fluorene	330	U	1	48.9	330	ug/Kg	10/29/25 14:03	PB170215
100-01-6	4-Nitroaniline	330	U	1	120	330	ug/Kg	10/29/25 14:03	PB170215
534-52-1	4,6-Dinitro-2-methylphenol	640	U	1	200	640	ug/Kg	10/29/25 14:03	PB170215

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Report of Analysis

Client:	AECOM	Date Collected:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/21/25
Client Sample ID:	PR132-S16-119133-20251021	SDG No.:	Q3419
Lab Sample ID:	Q3419-04	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	51.7
Sample Wt/Vol:	30.01 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	330	U	1	63.6	330	ug/Kg	10/29/25 14:03	PB170215
101-55-3	4-Bromophenyl-phenylether	330	U	1	53.8	330	ug/Kg	10/29/25 14:03	PB170215
118-74-1	Hexachlorobenzene	330	U	1	48.9	330	ug/Kg	10/29/25 14:03	PB170215
1912-24-9	Atrazine	330	U	1	65.7	330	ug/Kg	10/29/25 14:03	PB170215
87-86-5	Pentachlorophenol	640	U	1	99.2	640	ug/Kg	10/29/25 14:03	PB170215
85-01-8	Phenanthrene	420		1	40.4	330	ug/Kg	10/29/25 14:03	PB170215
120-12-7	Anthracene	180	J	1	64.4	330	ug/Kg	10/29/25 14:03	PB170215
86-74-8	Carbazole	330	U	1	60.3	330	ug/Kg	10/29/25 14:03	PB170215
84-74-2	Di-n-butylphthalate	330	U	1	92.6	330	ug/Kg	10/29/25 14:03	PB170215
206-44-0	Fluoranthene	520		1	58.0	330	ug/Kg	10/29/25 14:03	PB170215
129-00-0	Pyrene	550		1	69.6	330	ug/Kg	10/29/25 14:03	PB170215
85-68-7	Butylbenzylphthalate	330	U	1	140	330	ug/Kg	10/29/25 14:03	PB170215
91-94-1	3,3-Dichlorobenzidine	640	U	1	71.0	640	ug/Kg	10/29/25 14:03	PB170215
56-55-3	Benzo(a)anthracene	390		1	44.5	330	ug/Kg	10/29/25 14:03	PB170215
218-01-9	Chrysene	370		1	38.5	330	ug/Kg	10/29/25 14:03	PB170215
117-81-7	Bis(2-ethylhexyl)phthalate	330	U	1	110	330	ug/Kg	10/29/25 14:03	PB170215
117-84-0	Di-n-octyl phthalate	640	U	1	170	640	ug/Kg	10/29/25 14:03	PB170215
205-99-2	Benzo(b)fluoranthene	410		1	36.7	330	ug/Kg	10/29/25 14:03	PB170215
207-08-9	Benzo(k)fluoranthene	330	U	1	43.3	330	ug/Kg	10/29/25 14:03	PB170215
50-32-8	Benzo(a)pyrene	380		1	57.0	330	ug/Kg	10/29/25 14:03	PB170215
193-39-5	Indeno(1,2,3-cd)pyrene	330	U	1	56.3	330	ug/Kg	10/29/25 14:03	PB170215
53-70-3	Dibenzo(a,h)anthracene	330	U	1	53.0	330	ug/Kg	10/29/25 14:03	PB170215
191-24-2	Benzo(g,h,i)perylene	130	J	1	49.7	330	ug/Kg	10/29/25 14:03	PB170215
95-94-3	1,2,4,5-Tetrachlorobenzene	330	U	1	49.5	330	ug/Kg	10/29/25 14:03	PB170215
123-91-1	1,4-Dioxane	330	U	1	87.4	330	ug/Kg	10/29/25 14:03	PB170215
58-90-2	2,3,4,6-Tetrachlorophenol	330	U	1	53.0	330	ug/Kg	10/29/25 14:03	PB170215
SURROGATES									
367-12-4	2-Fluorophenol	62.2			18 - 112	41%	SPK: 150		
13127-88-3	Phenol-d6	67.7			15 - 107	45%	SPK: 150		
4165-60-0	Nitrobenzene-d5	42.2			18 - 107	42%	SPK: 100		
321-60-8	2-Fluorobiphenyl	36.2			20 - 109	36%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	60.2			10 - 116	40%	SPK: 150		
1718-51-0	Terphenyl-d14	31.8			10 - 105	32%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	62300							
1146-65-2	Naphthalene-d8	236000							
15067-26-2	Acenaphthene-d10	128000							
1517-22-2	Phenanthrene-d10	203000							
1719-03-5	Chrysene-d12	157000							
1520-96-3	Perylene-d12	201000							
TENTATIVE IDENTIFIED COMPOUNDS									
054676-39-0	Cyclohexane, 2-butyl-1,1,3-trimeth	220	J			8.36	ug/Kg		
003891-98-3	Dodecane, 2,6,10-trimethyl-	550	J			9.18	ug/Kg		

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Report of Analysis

Client:	AECOM	Date Collected:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/21/25
Client Sample ID:	PR132-S16-119133-20251021	SDG No.:	Q3419
Lab Sample ID:	Q3419-04	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	51.7
Sample Wt/Vol:	30.01 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
003891-99-4	2,6,10-Trimethyltridecane	760	J			9.63	ug/Kg		
013187-99-0	2-Bromo dodecane	560	J			11.3	ug/Kg		
000483-65-8	Retene	510	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:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/21/25
Client Sample ID:	PR132-S16-094119-20251021	SDG No.:	Q3419
Lab Sample ID:	Q3419-05	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	46.9
Sample Wt/Vol:	30.06 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	700	U	1	330	700	ug/Kg	10/28/25 17:54	PB170215
108-95-2	Phenol	360	U	1	47.0	360	ug/Kg	10/28/25 17:54	PB170215
111-44-4	bis(2-Chloroethyl)ether	360	U	1	51.7	360	ug/Kg	10/28/25 17:54	PB170215
95-57-8	2-Chlorophenol	360	U	1	51.9	360	ug/Kg	10/28/25 17:54	PB170215
95-48-7	2-Methylphenol	360	U	1	63.6	360	ug/Kg	10/28/25 17:54	PB170215
108-60-1	2,2-oxybis(1-Chloropropane)	360	U	1	79.8	360	ug/Kg	10/28/25 17:54	PB170215
98-86-2	Acetophenone	360	U	1	62.8	360	ug/Kg	10/28/25 17:54	PB170215
65794-96-9	3+4-Methylphenols	700	U	1	87.5	700	ug/Kg	10/28/25 17:54	PB170215
621-64-7	n-Nitroso-di-n-propylamine	170	U	1	100	170	ug/Kg	10/28/25 17:54	PB170215
67-72-1	Hexachloroethane	360	U	1	37.5	360	ug/Kg	10/28/25 17:54	PB170215
98-95-3	Nitrobenzene	360	U	1	38.9	360	ug/Kg	10/28/25 17:54	PB170215
78-59-1	Isophorone	360	U	1	69.8	360	ug/Kg	10/28/25 17:54	PB170215
88-75-5	2-Nitrophenol	360	U	1	120	360	ug/Kg	10/28/25 17:54	PB170215
105-67-9	2,4-Dimethylphenol	360	U	1	140	360	ug/Kg	10/28/25 17:54	PB170215
111-91-1	bis(2-Chloroethoxy)methane	360	U	1	65.5	360	ug/Kg	10/28/25 17:54	PB170215
120-83-2	2,4-Dichlorophenol	360	U	1	60.2	360	ug/Kg	10/28/25 17:54	PB170215
91-20-3	Naphthalene	360	U	1	48.3	360	ug/Kg	10/28/25 17:54	PB170215
106-47-8	4-Chloroaniline	360	U	1	75.3	360	ug/Kg	10/28/25 17:54	PB170215
87-68-3	Hexachlorobutadiene	360	U	1	53.8	360	ug/Kg	10/28/25 17:54	PB170215
105-60-2	Caprolactam	700	U	1	110	700	ug/Kg	10/28/25 17:54	PB170215
59-50-7	4-Chloro-3-methylphenol	360	U	1	61.1	360	ug/Kg	10/28/25 17:54	PB170215
91-57-6	2-Methylnaphthalene	360	U	1	54.5	360	ug/Kg	10/28/25 17:54	PB170215
77-47-4	Hexachlorocyclopentadiene	700	U	1	250	700	ug/Kg	10/28/25 17:54	PB170215
88-06-2	2,4,6-Trichlorophenol	360	U	1	42.1	360	ug/Kg	10/28/25 17:54	PB170215
95-95-4	2,4,5-Trichlorophenol	360	U	1	61.9	360	ug/Kg	10/28/25 17:54	PB170215
92-52-4	1,1-Biphenyl	360	U	1	46.4	360	ug/Kg	10/28/25 17:54	PB170215
91-58-7	2-Chloronaphthalene	360	U	1	47.9	360	ug/Kg	10/28/25 17:54	PB170215
88-74-4	2-Nitroaniline	360	U	1	100	360	ug/Kg	10/28/25 17:54	PB170215
131-11-3	Dimethylphthalate	360	U	1	57.7	360	ug/Kg	10/28/25 17:54	PB170215
208-96-8	Acenaphthylene	360	U	1	61.5	360	ug/Kg	10/28/25 17:54	PB170215
606-20-2	2,6-Dinitrotoluene	360	U	1	71.5	360	ug/Kg	10/28/25 17:54	PB170215
99-09-2	3-Nitroaniline	360	U	1	97.9	360	ug/Kg	10/28/25 17:54	PB170215
83-32-9	Acenaphthene	210	J	1	45.3	360	ug/Kg	10/28/25 17:54	PB170215
51-28-5	2,4-Dinitrophenol	700	U	1	490	700	ug/Kg	10/28/25 17:54	PB170215
100-02-7	4-Nitrophenol	700	U	1	230	700	ug/Kg	10/28/25 17:54	PB170215
132-64-9	Dibenzofuran	240	J	1	48.3	360	ug/Kg	10/28/25 17:54	PB170215
121-14-2	2,4-Dinitrotoluene	360	U	1	110	360	ug/Kg	10/28/25 17:54	PB170215
84-66-2	Diethylphthalate	360	U	1	60.2	360	ug/Kg	10/28/25 17:54	PB170215
7005-72-3	4-Chlorophenyl-phenylether	360	U	1	56.8	360	ug/Kg	10/28/25 17:54	PB170215
86-73-7	Fluorene	660		1	53.8	360	ug/Kg	10/28/25 17:54	PB170215
100-01-6	4-Nitroaniline	360	U	1	140	360	ug/Kg	10/28/25 17:54	PB170215
534-52-1	4,6-Dinitro-2-methylphenol	700	U	1	220	700	ug/Kg	10/28/25 17:54	PB170215

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Report of Analysis

Client:	AECOM	Date Collected:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/21/25
Client Sample ID:	PR132-S16-094119-20251021	SDG No.:	Q3419
Lab Sample ID:	Q3419-05	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	46.9
Sample Wt/Vol:	30.06 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	360	U	1	70.0	360	ug/Kg	10/28/25 17:54	PB170215
101-55-3	4-Bromophenyl-phenylether	360	U	1	59.2	360	ug/Kg	10/28/25 17:54	PB170215
118-74-1	Hexachlorobenzene	360	U	1	53.8	360	ug/Kg	10/28/25 17:54	PB170215
1912-24-9	Atrazine	360	U	1	72.4	360	ug/Kg	10/28/25 17:54	PB170215
87-86-5	Pentachlorophenol	700	U	1	110	700	ug/Kg	10/28/25 17:54	PB170215
85-01-8	Phenanthrene	4400		1	44.5	360	ug/Kg	10/28/25 17:54	PB170215
120-12-7	Anthracene	3100		1	70.9	360	ug/Kg	10/28/25 17:54	PB170215
86-74-8	Carbazole	920		1	66.4	360	ug/Kg	10/28/25 17:54	PB170215
84-74-2	Di-n-butylphthalate	360	U	1	100	360	ug/Kg	10/28/25 17:54	PB170215
206-44-0	Fluoranthene	5200		1	63.8	360	ug/Kg	10/28/25 17:54	PB170215
129-00-0	Pyrene	2800		1	76.6	360	ug/Kg	10/28/25 17:54	PB170215
85-68-7	Butylbenzylphthalate	360	U	1	150	360	ug/Kg	10/28/25 17:54	PB170215
91-94-1	3,3-Dichlorobenzidine	700	U	1	78.1	700	ug/Kg	10/28/25 17:54	PB170215
56-55-3	Benzo(a)anthracene	1100		1	48.9	360	ug/Kg	10/28/25 17:54	PB170215
218-01-9	Chrysene	1200		1	42.3	360	ug/Kg	10/28/25 17:54	PB170215
117-81-7	Bis(2-ethylhexyl)phthalate	180	J	1	130	360	ug/Kg	10/28/25 17:54	PB170215
117-84-0	Di-n-octyl phthalate	700	U	1	180	700	ug/Kg	10/28/25 17:54	PB170215
205-99-2	Benzo(b)fluoranthene	470		1	40.4	360	ug/Kg	10/28/25 17:54	PB170215
207-08-9	Benzo(k)fluoranthene	190	J	1	47.7	360	ug/Kg	10/28/25 17:54	PB170215
50-32-8	Benzo(a)pyrene	320	J	1	62.8	360	ug/Kg	10/28/25 17:54	PB170215
193-39-5	Indeno(1,2,3-cd)pyrene	360	U	1	61.9	360	ug/Kg	10/28/25 17:54	PB170215
53-70-3	Dibenzo(a,h)anthracene	360	U	1	58.3	360	ug/Kg	10/28/25 17:54	PB170215
191-24-2	Benzo(g,h,i)perylene	360	U	1	54.7	360	ug/Kg	10/28/25 17:54	PB170215
95-94-3	1,2,4,5-Tetrachlorobenzene	360	U	1	54.5	360	ug/Kg	10/28/25 17:54	PB170215
123-91-1	1,4-Dioxane	360	U	1	96.2	360	ug/Kg	10/28/25 17:54	PB170215
58-90-2	2,3,4,6-Tetrachlorophenol	360	U	1	58.3	360	ug/Kg	10/28/25 17:54	PB170215
SURROGATES									
367-12-4	2-Fluorophenol	84.7			18 - 112	56%	SPK: 150		
13127-88-3	Phenol-d6	76.3			15 - 107	51%	SPK: 150		
4165-60-0	Nitrobenzene-d5	58.8			18 - 107	59%	SPK: 100		
321-60-8	2-Fluorobiphenyl	46.5			20 - 109	46%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	82.5			10 - 116	55%	SPK: 150		
1718-51-0	Terphenyl-d14	43.7			10 - 105	44%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	35900							
1146-65-2	Naphthalene-d8	132000							
15067-26-2	Acenaphthene-d10	98600							
1517-22-2	Phenanthrene-d10	223000							
1719-03-5	Chrysene-d12	286000							
1520-96-3	Perylene-d12	312000							
TENTATIVE IDENTIFIED COMPOUNDS									
000091-57-6	Naphthalene, 2-methyl-	200	J			12.7	ug/Kg		
000119-61-9	Benzophenone	500	J			16.2	ug/Kg		

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Report of Analysis

Client:	AECOM	Date Collected:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/21/25
Client Sample ID:	PR132-S16-094119-20251021	SDG No.:	Q3419
Lab Sample ID:	Q3419-05	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	46.9
Sample Wt/Vol:	30.06 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
003075-84-1	1,1-Biphenyl, 2,2,5,5-tetrameth	300	J			16.5	ug/Kg		
000132-65-0	Dibenzothiophene	550	J			17.4	ug/Kg		
002531-84-2	Phenanthrene, 2-methyl-	1000	J			18.5	ug/Kg		
000832-69-9	Phenanthrene, 1-methyl-	840	J			18.5	ug/Kg		
000949-41-7	1H-Cyclopropa[l]phenanthrene,1a,9b	510	J			18.6	ug/Kg		
000612-94-2	Naphthalene, 2-phenyl-	560	J			18.9	ug/Kg		
002789-88-0	di-p-Tolylacetylene	290	J			19.4	ug/Kg		
000243-17-4	11H-Benzo[b]fluorene	520	J			20.5	ug/Kg		
000192-97-2	Benzo[e]pyrene	310	J			24.9	ug/Kg		

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

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

QC SUMMARY

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Surrogate Summary

SW-846

SDG No.: Q3419

Client: AECOM

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB170215BL	PB170215BL	2-Fluorophenol	150	139	92		18	112
		Phenol-d6	150	139	92		15	107
		Nitrobenzene-d5	100	110	110	*	18	107
		2-Fluorobiphenyl	100	96.8	97		20	109
		2,4,6-Tribromophenol	150	161	108		10	116
		Terphenyl-d14	100	90.8	91		10	105
PB170215BS	PB170215BS	2-Fluorophenol	150	125	83		18	112
		Phenol-d6	150	125	83		15	107
		Nitrobenzene-d5	100	95.4	95		18	107
		2-Fluorobiphenyl	100	79.6	80		20	109
		2,4,6-Tribromophenol	150	144	96		10	116
		Terphenyl-d14	100	83.3	83		10	105
Q3419-01	PR-132-S16-015094-20251021	2-Fluorophenol	150	91.2	61		18	112
		Phenol-d6	150	88.1	59		15	107
		Nitrobenzene-d5	100	74.0	74		18	107
		2-Fluorobiphenyl	100	57.0	57		20	109
		2,4,6-Tribromophenol	150	116	77		10	116
		Terphenyl-d14	100	55.0	55		10	105
Q3419-02MS	PR-132-S16-015094-20251021MS	2-Fluorophenol	150	95.5	64		18	112
		Phenol-d6	150	99.7	66		15	107
		Nitrobenzene-d5	100	76.9	77		18	107
		2-Fluorobiphenyl	100	60.3	60		20	109
		2,4,6-Tribromophenol	150	123	82		10	116
		Terphenyl-d14	100	60.4	60		10	105
Q3419-03MSD	PR-132-S16-015094-20251021MSD	2-Fluorophenol	150	92.9	62		18	112
		Phenol-d6	150	92.6	62		15	107
		Nitrobenzene-d5	100	74.9	75		18	107
		2-Fluorobiphenyl	100	58.4	58		20	109
		2,4,6-Tribromophenol	150	118	79		10	116
		Terphenyl-d14	100	57.1	57		10	105
Q3419-04	PR132-S16-119133-20251021	2-Fluorophenol	150	62.2	41		18	112
		Phenol-d6	150	67.7	45		15	107
		Nitrobenzene-d5	100	42.2	42		18	107
		2-Fluorobiphenyl	100	36.2	36		20	109
		2,4,6-Tribromophenol	150	60.2	40		10	116
		Terphenyl-d14	100	31.8	32		10	105
Q3419-05	PR132-S16-094119-20251021	2-Fluorophenol	150	84.7	56		18	112
		Phenol-d6	150	76.3	51		15	107
		Nitrobenzene-d5	100	58.8	59		18	107
		2-Fluorobiphenyl	100	46.5	46		20	109
		2,4,6-Tribromophenol	150	82.5	55		10	116
		Terphenyl-d14	100	43.7	44		10	105

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3419 **Analytical Method:** SW8270E

Client: AECOM **DataFile:** BG064627.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q3419-02MS		**Client Sample ID: PR-132-S16-015094-20251021MS**									
Benzaldehyde	3100	0	2100	ug/Kg	68				10	171	
Phenol	3100	0	3000	ug/Kg	97				51	122	
bis(2-Chloroethyl)ether	3100	0	2000	ug/Kg	65				54	125	
2-Chlorophenol	3100	0	3200	ug/Kg	103				51	121	
2-Methylphenol	3100	0	3000	ug/Kg	97				47	125	
2,2-oxybis(1-Chloropropane)	3100	0	2800	ug/Kg	90				46	119	
Acetophenone	3100	0	3300	ug/Kg	106				55	128	
3+4-Methylphenols	3100	0	3000	ug/Kg	97				49	125	
N-Nitroso-di-n-propylamine	3100	0	3000	ug/Kg	97				59	119	
Hexachloroethane	3100	0	3200	ug/Kg	103				51	116	
Nitrobenzene	3100	0	3400	ug/Kg	110				47	124	
Isophorone	3100	0	3000	ug/Kg	97				49	127	
2-Nitrophenol	3100	0	3800	ug/Kg	123				43	131	
2,4-Dimethylphenol	3100	0	3500	ug/Kg	113				63	151	
bis(2-Chloroethoxy)methane	3100	0	2900	ug/Kg	94				51	119	
2,4-Dichlorophenol	3100	0	3500	ug/Kg	113				50	122	
Naphthalene	3100	0	3000	ug/Kg	97				51	121	
4-Chloroaniline	3100	0	1300	ug/Kg	42				10	100	
Hexachlorobutadiene	3100	0	3200	ug/Kg	103				44	126	
Caprolactam	3100	0	3100	ug/Kg	100				51	134	
4-Chloro-3-methylphenol	3100	0	3200	ug/Kg	103				57	132	
2-Methylnaphthalene	3100	0	2800	ug/Kg	90				59	123	
Hexachlorocyclopentadiene	6100	0	9500	ug/Kg	156				10	175	
2,4,6-Trichlorophenol	3100	0	3600	ug/Kg	116				33	141	
2,4,5-Trichlorophenol	3100	0	3400	ug/Kg	110				38	135	
1,1-Biphenyl	3100	0	3400	ug/Kg	110				55	131	
2-Chloronaphthalene	3100	0	3100	ug/Kg	100				48	124	
2-Nitroaniline	3100	0	3400	ug/Kg	110				47	134	
Dimethylphthalate	3100	0	3100	ug/Kg	100				54	120	
Acenaphthylene	3100	0	3500	ug/Kg	113				57	125	
2,6-Dinitrotoluene	3100	0	3700	ug/Kg	119				48	127	
3-Nitroaniline	3100	0	2500	ug/Kg	81				10	112	
Acenaphthene	3100	0	3500	ug/Kg	113				70	121	
2,4-Dinitrophenol	6100	0	8100	ug/Kg	133				10	155	
4-Nitrophenol	6100	0	7500	ug/Kg	123				10	175	
Dibenzofuran	3100	0	3100	ug/Kg	100				52	114	
2,4-Dinitrotoluene	3100	0	3600	ug/Kg	116				41	140	
Diethylphthalate	3100	0	3100	ug/Kg	100				51	119	
4-Chlorophenyl-phenylether	3100	0	3100	ug/Kg	100				48	122	
Fluorene	3100	0	3100	ug/Kg	100				53	118	
4-Nitroaniline	3100	0	3600	ug/Kg	116				29	140	
4,6-Dinitro-2-methylphenol	3100	0	4000	ug/Kg	129				10	160	
N-Nitrosodiphenylamine	3100	0	3100	ug/Kg	100				73	118	
4-Bromophenyl-phenylether	3100	0	3200	ug/Kg	103				65	121	
Hexachlorobenzene	3100	0	3200	ug/Kg	103				67	118	
Atrazine	3100	0	3400	ug/Kg	110				45	175	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3419 **Analytical Method:** SW8270E

Client: AECOM **DataFile:** BG064627.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Pentachlorophenol	6100	0	7000	ug/Kg	115				13	153	
Phenanthrene	3100	0	3100	ug/Kg	100				52	128	
Anthracene	3100	0	3100	ug/Kg	100				62	124	
Carbazole	3100	0	3100	ug/Kg	100				59	119	
Di-n-butylphthalate	3100	0	3200	ug/Kg	103				55	125	
Fluoranthene	3100	0	3100	ug/Kg	100				44	125	
Pyrene	3100	0	2900	ug/Kg	94				37	122	
Butylbenzylphthalate	3100	0	3500	ug/Kg	113				44	135	
3,3-Dichlorobenzidine	3100	0	1700	ug/Kg	55				15	112	
Benzo(a)anthracene	3100	0	3100	ug/Kg	100				53	119	
Chrysene	3100	0	3100	ug/Kg	100				57	121	
bis(2-Ethylhexyl)phthalate	3100	0	3400	ug/Kg	110				42	169	
Di-n-octyl phthalate	3100	0	3500	ug/Kg	113				51	156	
Benzo(b)fluoranthene	3100	0	3100	ug/Kg	100				52	117	
Benzo(k)fluoranthene	3100	0	3200	ug/Kg	103				57	134	
Benzo(a)pyrene	3100	0	3200	ug/Kg	103				70	142	
Indeno(1,2,3-cd)pyrene	3100	0	3100	ug/Kg	100				40	129	
Dibenz(a,h)anthracene	3100	0	3200	ug/Kg	103				43	123	
Benzo(g,h,i)perylene	3100	0	3100	ug/Kg	100				24	125	
1,2,4,5-Tetrachlorobenzene	3100	0	3500	ug/Kg	113				52	134	
1,4-Dioxane	3100	0	2500	ug/Kg	81				46	112	
2,3,4,6-Tetrachlorophenol	3100	0	3800	ug/Kg	123				24	146	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3419 **Analytical Method:** SW8270E

Client: AECOM **DataFile:** BG064628.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q3419-03MSD		**Client Sample ID: PR-132-S16-015094-20251021MSD**									
Benzaldehyde	3100	0	2100	ug/Kg	68		0		10	171	20
Phenol	3100	0	2900	ug/Kg	94		3		51	122	20
bis(2-Chloroethyl)ether	3100	0	1900	ug/Kg	61		6		54	125	20
2-Chlorophenol	3100	0	3000	ug/Kg	97		6		51	121	20
2-Methylphenol	3100	0	2900	ug/Kg	94		3		47	125	20
2,2-oxybis(1-Chloropropane)	3100	0	2700	ug/Kg	87		3		46	119	20
Acetophenone	3100	0	3100	ug/Kg	100		6		55	128	20
3+4-Methylphenols	3100	0	2900	ug/Kg	94		3		49	125	20
N-Nitroso-di-n-propylamine	3100	0	2700	ug/Kg	87		11		59	119	20
Hexachloroethane	3100	0	3000	ug/Kg	97		6		51	116	20
Nitrobenzene	3100	0	3300	ug/Kg	106		4		47	124	20
Isophorone	3100	0	2800	ug/Kg	90		7		49	127	20
2-Nitrophenol	3100	0	3800	ug/Kg	123		0		43	131	20
2,4-Dimethylphenol	3100	0	3300	ug/Kg	106		6		63	151	20
bis(2-Chloroethoxy)methane	3100	0	2800	ug/Kg	90		4		51	119	20
2,4-Dichlorophenol	3100	0	3300	ug/Kg	106		6		50	122	20
Naphthalene	3100	0	2900	ug/Kg	94		3		51	121	20
4-Chloroaniline	3100	0	1200	ug/Kg	39		7		10	100	20
Hexachlorobutadiene	3100	0	3100	ug/Kg	100		3		44	126	20
Caprolactam	3100	0	2800	ug/Kg	90		11		51	134	20
4-Chloro-3-methylphenol	3100	0	3100	ug/Kg	100		3		57	132	20
2-Methylnaphthalene	3100	0	2700	ug/Kg	87		3		59	123	20
Hexachlorocyclopentadiene	6100	0	8900	ug/Kg	146		7		10	175	20
2,4,6-Trichlorophenol	3100	0	3500	ug/Kg	113		3		33	141	20
2,4,5-Trichlorophenol	3100	0	3400	ug/Kg	110		0		38	135	20
1,1-Biphenyl	3100	0	3300	ug/Kg	106		4		55	131	20
2-Chloronaphthalene	3100	0	3000	ug/Kg	97		3		48	124	20
2-Nitroaniline	3100	0	3300	ug/Kg	106		4		47	134	20
Dimethylphthalate	3100	0	2900	ug/Kg	94		6		54	120	20
Acenaphthylene	3100	0	3300	ug/Kg	106		6		57	125	20
2,6-Dinitrotoluene	3100	0	3600	ug/Kg	116		3		48	127	20
3-Nitroaniline	3100	0	2400	ug/Kg	77		5		10	112	20
Acenaphthene	3100	0	3400	ug/Kg	110		3		70	121	20
2,4-Dinitrophenol	6100	0	7800	ug/Kg	128		4		10	155	20
4-Nitrophenol	6100	0	6900	ug/Kg	113		8		10	175	20
Dibenzofuran	3100	0	2900	ug/Kg	94		6		52	114	20
2,4-Dinitrotoluene	3100	0	3300	ug/Kg	106		9		41	140	20
Diethylphthalate	3100	0	2900	ug/Kg	94		6		51	119	20
4-Chlorophenyl-phenylether	3100	0	3000	ug/Kg	97		3		48	122	20
Fluorene	3100	0	3000	ug/Kg	97		3		53	118	20
4-Nitroaniline	3100	0	3500	ug/Kg	113		3		29	140	20
4,6-Dinitro-2-methylphenol	3100	0	3900	ug/Kg	126		2		10	160	20
N-Nitrosodiphenylamine	3100	0	3100	ug/Kg	100		0		73	118	20
4-Bromophenyl-phenylether	3100	0	3000	ug/Kg	97		6		65	121	20
Hexachlorobenzene	3100	0	3100	ug/Kg	100		3		67	118	20
Atrazine	3100	0	3300	ug/Kg	106		4		45	175	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3419 **Analytical Method:** SW8270E

Client: AECOM **DataFile:** BG064628.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	6100	0	6800	ug/Kg	111		4		13	153	20
Phenanthrene	3100	0	3000	ug/Kg	97		3		52	128	20
Anthracene	3100	0	2900	ug/Kg	94		6		62	124	20
Carbazole	3100	0	3000	ug/Kg	97		3		59	119	20
Di-n-butylphthalate	3100	0	3100	ug/Kg	100		3		55	125	20
Fluoranthene	3100	0	3100	ug/Kg	100		0		44	125	20
Pyrene	3100	0	2700	ug/Kg	87		8		37	122	20
Butylbenzylphthalate	3100	0	3400	ug/Kg	110		3		44	135	20
3,3-Dichlorobenzidine	3100	0	1700	ug/Kg	55		0		15	112	20
Benzo(a)anthracene	3100	0	3000	ug/Kg	97		3		53	119	20
Chrysene	3100	0	2900	ug/Kg	94		6		57	121	20
bis(2-Ethylhexyl)phthalate	3100	0	3400	ug/Kg	110		0		42	169	20
Di-n-octyl phthalate	3100	0	3300	ug/Kg	106		6		51	156	20
Benzo(b)fluoranthene	3100	0	3000	ug/Kg	97		3		52	117	20
Benzo(k)fluoranthene	3100	0	3000	ug/Kg	97		6		57	134	20
Benzo(a)pyrene	3100	0	3100	ug/Kg	100		3		70	142	20
Indeno(1,2,3-cd)pyrene	3100	0	3000	ug/Kg	97		3		40	129	20
Dibenz(a,h)anthracene	3100	0	3000	ug/Kg	97		6		43	123	20
Benzo(g,h,i)perylene	3100	0	3000	ug/Kg	97		3		24	125	20
1,2,4,5-Tetrachlorobenzene	3100	0	3400	ug/Kg	110		3		52	134	20
1,4-Dioxane	3100	0	2300	ug/Kg	74		9		46	112	20
2,3,4,6-Tetrachlorophenol	3100	0	3600	ug/Kg	116		6		24	146	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3419 **Analytical Method:** 8270E

Client: AECOM **DataFile:** BG064622.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB170215BS	Benzaldehyde	1700	1100	ug/Kg	65				10	133	
	Phenol	1700	1500	ug/Kg	88				62	112	
	bis(2-Chloroethyl)ether	1700	1100	ug/Kg	65				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	1500	ug/Kg	88				58	111	
	N-Nitroso-di-n-propylamine	1700	1400	ug/Kg	82				63	95	
	Hexachloroethane	1700	1500	ug/Kg	88				72	108	
	Nitrobenzene	1700	1600	ug/Kg	94				57	101	
	Isophorone	1700	1400	ug/Kg	82				59	99	
	2-Nitrophenol	1700	1700	ug/Kg	100				61	111	
	2,4-Dimethylphenol	1700	1700	ug/Kg	100				46	141	
	bis(2-Chloroethoxy)methane	1700	1400	ug/Kg	82				66	97	
	2,4-Dichlorophenol	1700	1600	ug/Kg	94				62	107	
	Naphthalene	1700	1400	ug/Kg	82				62	100	
	4-Chloroaniline	1700	790	ug/Kg	46				16	100	
	Hexachlorobutadiene	1700	1500	ug/Kg	88				53	98	
	Caprolactam	1700	1500	ug/Kg	88				67	110	
	4-Chloro-3-methylphenol	1700	1600	ug/Kg	94				58	112	
	2-Methylnaphthalene	1700	1300	ug/Kg	76				60	104	
	Hexachlorocyclopentadiene	3300	4100	ug/Kg	124				45	165	
	2,4,6-Trichlorophenol	1700	1700	ug/Kg	100				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	1600	ug/Kg	94				66	101	
	Dimethylphthalate	1700	1500	ug/Kg	88				61	99	
	Acenaphthylene	1700	1700	ug/Kg	100				63	101	
	2,6-Dinitrotoluene	1700	1700	ug/Kg	100				61	104	
	3-Nitroaniline	1700	1200	ug/Kg	71				28	100	
	Acenaphthene	1700	1600	ug/Kg	94				57	104	
	2,4-Dinitrophenol	3300	3600	ug/Kg	109				37	128	
	4-Nitrophenol	3300	3400	ug/Kg	103				48	119	
	Dibenzofuran	1700	1500	ug/Kg	88				63	99	
	2,4-Dinitrotoluene	1700	1700	ug/Kg	100				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	1700	ug/Kg	100				64	103	
	4,6-Dinitro-2-methylphenol	1700	1800	ug/Kg	106				76	113	
	N-Nitrosodiphenylamine	1700	1500	ug/Kg	88				71	99	
	4-Bromophenyl-phenylether	1700	1500	ug/Kg	88				66	102	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3419 **Analytical Method:** 8270E

Client: AECOM **DataFile:** BG064622.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB170215BS	Hexachlorobenzene	1700	1500	ug/Kg	88				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	1500	ug/Kg	88				61	105	
	Carbazole	1700	1500	ug/Kg	88				61	99	
	Di-n-butylphthalate	1700	1500	ug/Kg	88				58	104	
	Fluoranthene	1700	1500	ug/Kg	88				57	107	
	Pyrene	1700	1400	ug/Kg	82				59	103	
	Butylbenzylphthalate	1700	1600	ug/Kg	94				55	103	
	3,3-Dichlorobenzidine	1700	1100	ug/Kg	65				42	91	
	Benzo(a)anthracene	1700	1500	ug/Kg	88				60	102	
	Chrysene	1700	1500	ug/Kg	88				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1600	ug/Kg	94				54	135	
	Di-n-octyl phthalate	1700	1700	ug/Kg	100				52	137	
	Benzo(b)fluoranthene	1700	1500	ug/Kg	88				62	109	
	Benzo(k)fluoranthene	1700	1500	ug/Kg	88				62	109	
	Benzo(a)pyrene	1700	1600	ug/Kg	94				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1500	ug/Kg	88				63	101	
	Dibenz(a,h)anthracene	1700	1500	ug/Kg	88				61	112	
	Benzo(g,h,i)perylene	1700	1500	ug/Kg	88				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	1800	ug/Kg	106				59	108	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID: PB170215BL

Lab Name: Alliance | Contract: AECO02

Lab Code: ACE | SDG NO.: Q3419

Lab File ID: BG064621.D | Lab Sample ID: PB170215BL

Instrument ID: BNA_G | Date Extracted: 10/23/2025

Matrix: (soil/water) SOIL | Date Analyzed: 10/29/2025

Level: (low/med) LOW | Time Analyzed: 13:25

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB170215BS	PB170215BS	BG064622.D	10/29/2025
PR-132-S16-015094-20251021	Q3419-01	BG064626.D	10/29/2025
PR-132-S16-015094-20251021MS	Q3419-02MS	BG064627.D	10/29/2025
PR-132-S16-015094-20251021MSD	Q3419-03MSD	BG064628.D	10/29/2025
PR132-S16-119133-20251021	Q3419-04	BF144126.D	10/29/2025
PR132-S16-094119-20251021	Q3419-05	BG064606.D	10/28/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3419

Lab File ID: BF144055.D DFTPP Injection Date: 10/24/2025

Instrument ID: BNA_F DFTPP Injection Time: 09:45

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.4 (1.6) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.0 (0.0) 1
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.1
365	Greater than 1% of mass 198	4.5
441	Present, but less than mass 443	89.0
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.8 (18.8) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF144056.D	10/24/2025	10:13
SSTDICC005	SSTDICC005	BF144057.D	10/24/2025	10:42
SSTDICC010	SSTDICC010	BF144058.D	10/24/2025	11:39
SSTDICC020	SSTDICC020	BF144059.D	10/24/2025	12:36
SSTDICCC040	SSTDICCC040	BF144060.D	10/24/2025	13:05
SSTDICC050	SSTDICC050	BF144061.D	10/24/2025	13:34
SSTDICC080	SSTDICC080	BF144063.D	10/24/2025	14:32
SSTDICC060	SSTDICC060	BF144064.D	10/24/2025	16:24

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3419

Lab File ID: BF144120.D DFTPP Injection Date: 10/29/2025

Instrument ID: BNA_F DFTPP Injection Time: 11:00

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.3 (1.3) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.0 (0.0) 1
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
365	Greater than 1% of mass 198	4.2
441	Present, but less than mass 443	84.9
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18 (18) 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	BF144121.D	10/29/2025	11:30
PR132-S16-119133-20251021	Q3419-04	BF144126.D	10/29/2025	14:03

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3419

Lab File ID: BG064568.D DFTPP Injection Date: 10/24/2025

Instrument ID: BNA_G DFTPP Injection Time: 08:20

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.1 (0.2) 1
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7.2
365	Greater than 1% of mass 198	5.1
441	Present, but less than mass 443	86.3
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	17.5 (18.9) 2

1-Value is % mass 69

2-Value is % mass 442

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

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

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance | Contract: AECO02

Lab Code: ACE | SDG NO.: Q3419

Lab File ID: BG064599.D | DFTPP Injection Date: 10/28/2025

Instrument ID: BNA_G | DFTPP Injection Time: 13:05

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.2 (0.5) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.1 (0.2) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7.5
365	Greater than 1% of mass 198	5.5
441	Present, but less than mass 443	80.3
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19 (20.1) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BG064600.D	10/28/2025	13:45
PR132-S16-094119-20251021	Q3419-05	BG064606.D	10/28/2025	17:54

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance | Contract: AECO02

Lab Code: ACE | SDG NO.: Q3419

Lab File ID: BG064617.D | DFTPP Injection Date: 10/29/2025

Instrument ID: BNA_G | DFTPP Injection Time: 10:41

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.3 (1) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (0.6) 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	7.3
365	Greater than 1% of mass 198	5.3
441	Present, but less than mass 443	91.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	17.5 (18) 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	BG064618.D	10/29/2025	11:22
PB170215BL	PB170215BL	BG064621.D	10/29/2025	13:25
PB170215BS	PB170215BS	BG064622.D	10/29/2025	14:06
PR-132-S16-015094-20251021	Q3419-01	BG064626.D	10/29/2025	16:53
PR-132-S16-015094-20251021MS	Q3419-02MS	BG064627.D	10/29/2025	17:34
PR-132-S16-015094-20251021MSD	Q3419-03MSD	BG064628.D	10/29/2025	18:15

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3419

Client ID : SSTDCCC040 Date Analyzed: 10/29/2025

Lab File ID: BF144121.D Time Analyzed: 11:30

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	61447	6.881	232371	8.16	124035	9.92
	UPPER LIMIT	122894	7.381	464742	8.663	248070	10.416
	LOWER LIMIT	30723.5	6.381	116186	7.663	62017.5	9.416
	EPA SAMPLE NO.						
01	PR132-S16-119133-20251021	62325	6.88	236347	8.16	128098	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.: Q3419

Client ID: SSTDCCC040 Date Analyzed: 10/29/2025

Lab File ID: BF144121.D Time Analyzed: 11:30

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	207074	11.41	153131	14.057	204043	15.539
	UPPER LIMIT	414148	11.91	306262	14.557	408086	16.039
	LOWER LIMIT	103537	10.91	76565.5	13.557	102022	15.039
	EPA SAMPLE NO.						
01	PR132-S16-119133-20251021	203077	11.40	156913	14.06	200959	15.54

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.: Q3419

Client ID : SSTDCCC040 Date Analyzed: 10/28/2025

Lab File ID: BG064600.D Time Analyzed: 13:45

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	28654	8.219	112694	11.05	87446	14.84
	UPPER LIMIT	57308	8.719	225388	11.545	174892	15.341
	LOWER LIMIT	14327	7.719	56347	10.545	43723	14.341
	EPA SAMPLE NO.						
01	PR132-S16-094119-20251021	35915	8.22	132339	11.04	98576	14.84

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3419

Client ID: SSTDCCC040 Date Analyzed: 10/28/2025

Lab File ID: BG064600.D Time Analyzed: 13:45

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	216707	17.573	273944	21.85	304830	25.187
	UPPER LIMIT	433414	18.073	547888	22.35	609660	25.687
	LOWER LIMIT	108354	17.073	136972	21.35	152415	24.687
	EPA SAMPLE NO.						
01	PR132-S16-094119-20251021	222776	17.58	285835	21.85	312112	25.19

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3419

Client ID : SSTDCCC040 Date Analyzed: 10/29/2025

Lab File ID: BG064618.D Time Analyzed: 11:22

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	36613	8.223	148961	11.04	108882	14.84
	UPPER LIMIT	73226	8.723	297922	11.543	217764	15.339
	LOWER LIMIT	18306.5	7.723	74480.5	10.543	54441	14.339
	EPA SAMPLE NO.						
01	PB170215BL	33974	8.22	131027	11.04	98338	14.84
02	PB170215BS	30857	8.22	126314	11.04	102616	14.84
03	PR-132-S16-015094-20251021	33527	8.22	125721	11.04	94531	14.84
04	PR-132-S16-015094-20251021MS	30488	8.22	121320	11.04	93614	14.84
05	PR-132-S16-015094-20251021MSD	31803	8.21	124534	11.04	94989	14.84

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3419

Client ID: SSTDCCC040 Date Analyzed: 10/29/2025

Lab File ID: BG064618.D Time Analyzed: 11:22

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	241683	17.577	261016	21.854	298207	25.197
	UPPER LIMIT	483366	18.077	522032	22.354	596414	25.697
	LOWER LIMIT	120842	17.077	130508	21.354	149104	24.697
	EPA SAMPLE NO.						
01	PB170215BL	248117	17.58	318243	21.85	369003	25.19
02	PB170215BS	252758	17.58	286271	21.85	311364	25.19
03	PR-132-S16-015094-20251021	232719	17.58	307543	21.85	344921	25.19
04	PR-132-S16-015094-20251021I	229619	17.58	271892	21.85	296767	25.19
05	PR-132-S16-015094-20251021I	230638	17.58	282250	21.85	308600	25.19

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

QC SAMPLE DATA

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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:	PB170215BL	SDG No.:	Q3419
Lab Sample ID:	PB170215BL	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: 10/23/25		

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	10/29/25 13:25	PB170215
108-95-2	Phenol	170	U	1	22.1	170	ug/Kg	10/29/25 13:25	PB170215
111-44-4	bis(2-Chloroethyl)ether	170	U	1	24.3	170	ug/Kg	10/29/25 13:25	PB170215
95-57-8	2-Chlorophenol	170	U	1	24.4	170	ug/Kg	10/29/25 13:25	PB170215
95-48-7	2-Methylphenol	170	U	1	29.9	170	ug/Kg	10/29/25 13:25	PB170215
108-60-1	2,2-oxybis(1-Chloropropane)	170	U	1	37.5	170	ug/Kg	10/29/25 13:25	PB170215
98-86-2	Acetophenone	170	U	1	29.5	170	ug/Kg	10/29/25 13:25	PB170215
65794-96-9	3+4-Methylphenols	330	U	1	41.1	330	ug/Kg	10/29/25 13:25	PB170215
621-64-7	n-Nitroso-di-n-propylamine	80.0	U	1	47.4	80.0	ug/Kg	10/29/25 13:25	PB170215
67-72-1	Hexachloroethane	170	U	1	17.6	170	ug/Kg	10/29/25 13:25	PB170215
98-95-3	Nitrobenzene	170	U	1	18.3	170	ug/Kg	10/29/25 13:25	PB170215
78-59-1	Isophorone	170	U	1	32.8	170	ug/Kg	10/29/25 13:25	PB170215
88-75-5	2-Nitrophenol	170	U	1	58.2	170	ug/Kg	10/29/25 13:25	PB170215
105-67-9	2,4-Dimethylphenol	170	U	1	64.8	170	ug/Kg	10/29/25 13:25	PB170215
111-91-1	bis(2-Chloroethoxy)methane	170	U	1	30.8	170	ug/Kg	10/29/25 13:25	PB170215
120-83-2	2,4-Dichlorophenol	170	U	1	28.3	170	ug/Kg	10/29/25 13:25	PB170215
91-20-3	Naphthalene	170	U	1	22.7	170	ug/Kg	10/29/25 13:25	PB170215
106-47-8	4-Chloroaniline	170	U	1	35.4	170	ug/Kg	10/29/25 13:25	PB170215
87-68-3	Hexachlorobutadiene	170	U	1	25.3	170	ug/Kg	10/29/25 13:25	PB170215
105-60-2	Caprolactam	330	U	1	52.1	330	ug/Kg	10/29/25 13:25	PB170215
59-50-7	4-Chloro-3-methylphenol	170	U	1	28.7	170	ug/Kg	10/29/25 13:25	PB170215
91-57-6	2-Methylnaphthalene	170	U	1	25.6	170	ug/Kg	10/29/25 13:25	PB170215
77-47-4	Hexachlorocyclopentadiene	330	U	1	120	330	ug/Kg	10/29/25 13:25	PB170215
88-06-2	2,4,6-Trichlorophenol	170	U	1	19.8	170	ug/Kg	10/29/25 13:25	PB170215
95-95-4	2,4,5-Trichlorophenol	170	U	1	29.1	170	ug/Kg	10/29/25 13:25	PB170215
92-52-4	1,1-Biphenyl	170	U	1	21.8	170	ug/Kg	10/29/25 13:25	PB170215
91-58-7	2-Chloronaphthalene	170	U	1	22.5	170	ug/Kg	10/29/25 13:25	PB170215
88-74-4	2-Nitroaniline	170	U	1	48.1	170	ug/Kg	10/29/25 13:25	PB170215
131-11-3	Dimethylphthalate	170	U	1	27.1	170	ug/Kg	10/29/25 13:25	PB170215
208-96-8	Acenaphthylene	170	U	1	28.9	170	ug/Kg	10/29/25 13:25	PB170215
606-20-2	2,6-Dinitrotoluene	170	U	1	33.6	170	ug/Kg	10/29/25 13:25	PB170215
99-09-2	3-Nitroaniline	170	U	1	46.0	170	ug/Kg	10/29/25 13:25	PB170215
83-32-9	Acenaphthene	170	U	1	21.3	170	ug/Kg	10/29/25 13:25	PB170215
51-28-5	2,4-Dinitrophenol	330	U	1	230	330	ug/Kg	10/29/25 13:25	PB170215
100-02-7	4-Nitrophenol	330	U	1	110	330	ug/Kg	10/29/25 13:25	PB170215
132-64-9	Dibenzofuran	170	U	1	22.7	170	ug/Kg	10/29/25 13:25	PB170215
121-14-2	2,4-Dinitrotoluene	170	U	1	50.1	170	ug/Kg	10/29/25 13:25	PB170215
84-66-2	Diethylphthalate	170	U	1	28.3	170	ug/Kg	10/29/25 13:25	PB170215
7005-72-3	4-Chlorophenyl-phenylether	170	U	1	26.7	170	ug/Kg	10/29/25 13:25	PB170215
86-73-7	Fluorene	170	U	1	25.3	170	ug/Kg	10/29/25 13:25	PB170215
100-01-6	4-Nitroaniline	170	U	1	64.2	170	ug/Kg	10/29/25 13:25	PB170215
534-52-1	4,6-Dinitro-2-methylphenol	330	U	1	100	330	ug/Kg	10/29/25 13:25	PB170215

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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:	PB170215BL	SDG No.:	Q3419
Lab Sample ID:	PB170215BL	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: 10/23/25		

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	10/29/25 13:25	PB170215
101-55-3	4-Bromophenyl-phenylether	170	U	1	27.8	170	ug/Kg	10/29/25 13:25	PB170215
118-74-1	Hexachlorobenzene	170	U	1	25.3	170	ug/Kg	10/29/25 13:25	PB170215
1912-24-9	Atrazine	170	U	1	34.0	170	ug/Kg	10/29/25 13:25	PB170215
87-86-5	Pentachlorophenol	330	U	1	51.3	330	ug/Kg	10/29/25 13:25	PB170215
85-01-8	Phenanthrene	170	U	1	20.9	170	ug/Kg	10/29/25 13:25	PB170215
120-12-7	Anthracene	170	U	1	33.3	170	ug/Kg	10/29/25 13:25	PB170215
86-74-8	Carbazole	170	U	1	31.2	170	ug/Kg	10/29/25 13:25	PB170215
84-74-2	Di-n-butylphthalate	170	U	1	47.9	170	ug/Kg	10/29/25 13:25	PB170215
206-44-0	Fluoranthene	170	U	1	30.0	170	ug/Kg	10/29/25 13:25	PB170215
129-00-0	Pyrene	170	U	1	36.0	170	ug/Kg	10/29/25 13:25	PB170215
85-68-7	Butylbenzylphthalate	170	U	1	71.4	170	ug/Kg	10/29/25 13:25	PB170215
91-94-1	3,3-Dichlorobenzidine	330	U	1	36.7	330	ug/Kg	10/29/25 13:25	PB170215
56-55-3	Benzo(a)anthracene	170	U	1	23.0	170	ug/Kg	10/29/25 13:25	PB170215
218-01-9	Chrysene	170	U	1	19.9	170	ug/Kg	10/29/25 13:25	PB170215
117-81-7	Bis(2-ethylhexyl)phthalate	170	U	1	59.2	170	ug/Kg	10/29/25 13:25	PB170215
117-84-0	Di-n-octyl phthalate	330	U	1	86.8	330	ug/Kg	10/29/25 13:25	PB170215
205-99-2	Benzo(b)fluoranthene	170	U	1	19.0	170	ug/Kg	10/29/25 13:25	PB170215
207-08-9	Benzo(k)fluoranthene	170	U	1	22.4	170	ug/Kg	10/29/25 13:25	PB170215
50-32-8	Benzo(a)pyrene	170	U	1	29.5	170	ug/Kg	10/29/25 13:25	PB170215
193-39-5	Indeno(1,2,3-cd)pyrene	170	U	1	29.1	170	ug/Kg	10/29/25 13:25	PB170215
53-70-3	Dibenzo(a,h)anthracene	170	U	1	27.4	170	ug/Kg	10/29/25 13:25	PB170215
191-24-2	Benzo(g,h,i)perylene	170	U	1	25.7	170	ug/Kg	10/29/25 13:25	PB170215
95-94-3	1,2,4,5-Tetrachlorobenzene	170	U	1	25.6	170	ug/Kg	10/29/25 13:25	PB170215
123-91-1	1,4-Dioxane	170	U	1	45.2	170	ug/Kg	10/29/25 13:25	PB170215
58-90-2	2,3,4,6-Tetrachlorophenol	170	U	1	27.4	170	ug/Kg	10/29/25 13:25	PB170215
SURROGATES									
367-12-4	2-Fluorophenol	139			18 - 112	92%	SPK: 150		
13127-88-3	Phenol-d6	139			15 - 107	92%	SPK: 150		
4165-60-0	Nitrobenzene-d5	110	*		18 - 107	110%	SPK: 100		
321-60-8	2-Fluorobiphenyl	96.8			20 - 109	97%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	161			10 - 116	108%	SPK: 150		
1718-51-0	Terphenyl-d14	90.8			10 - 105	91%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	34000							
1146-65-2	Naphthalene-d8	131000							
15067-26-2	Acenaphthene-d10	98300							
1517-22-2	Phenanthrene-d10	248000							
1719-03-5	Chrysene-d12	318000							
1520-96-3	Perylene-d12	369000							

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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:	PB170215BL	SDG No.:	Q3419
Lab Sample ID:	PB170215BL	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: 10/23/25		

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

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

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

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Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	PB170215BS	SDG No.:	Q3419
Lab Sample ID:	PB170215BS	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: 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	1100		1	160	330	ug/Kg	10/29/25 14:06	PB170215
108-95-2	Phenol	1500		1	22.1	170	ug/Kg	10/29/25 14:06	PB170215
111-44-4	bis(2-Chloroethyl)ether	1100		1	24.3	170	ug/Kg	10/29/25 14:06	PB170215
95-57-8	2-Chlorophenol	1600		1	24.4	170	ug/Kg	10/29/25 14:06	PB170215
95-48-7	2-Methylphenol	1600		1	29.9	170	ug/Kg	10/29/25 14:06	PB170215
108-60-1	2,2-oxybis(1-Chloropropane)	1300		1	37.5	170	ug/Kg	10/29/25 14:06	PB170215
98-86-2	Acetophenone	1600		1	29.5	170	ug/Kg	10/29/25 14:06	PB170215
65794-96-9	3+4-Methylphenols	1500		1	41.1	330	ug/Kg	10/29/25 14:06	PB170215
621-64-7	n-Nitroso-di-n-propylamine	1400		1	47.4	79.9	ug/Kg	10/29/25 14:06	PB170215
67-72-1	Hexachloroethane	1500		1	17.6	170	ug/Kg	10/29/25 14:06	PB170215
98-95-3	Nitrobenzene	1600		1	18.3	170	ug/Kg	10/29/25 14:06	PB170215
78-59-1	Isophorone	1400		1	32.8	170	ug/Kg	10/29/25 14:06	PB170215
88-75-5	2-Nitrophenol	1700		1	58.1	170	ug/Kg	10/29/25 14:06	PB170215
105-67-9	2,4-Dimethylphenol	1700		1	64.7	170	ug/Kg	10/29/25 14:06	PB170215
111-91-1	bis(2-Chloroethoxy)methane	1400		1	30.8	170	ug/Kg	10/29/25 14:06	PB170215
120-83-2	2,4-Dichlorophenol	1600		1	28.3	170	ug/Kg	10/29/25 14:06	PB170215
91-20-3	Naphthalene	1400		1	22.7	170	ug/Kg	10/29/25 14:06	PB170215
106-47-8	4-Chloroaniline	790		1	35.4	170	ug/Kg	10/29/25 14:06	PB170215
87-68-3	Hexachlorobutadiene	1500		1	25.3	170	ug/Kg	10/29/25 14:06	PB170215
105-60-2	Caprolactam	1500		1	52.0	330	ug/Kg	10/29/25 14:06	PB170215
59-50-7	4-Chloro-3-methylphenol	1600		1	28.7	170	ug/Kg	10/29/25 14:06	PB170215
91-57-6	2-Methylnaphthalene	1300		1	25.6	170	ug/Kg	10/29/25 14:06	PB170215
77-47-4	Hexachlorocyclopentadiene	4100	E	1	120	330	ug/Kg	10/29/25 14:06	PB170215
88-06-2	2,4,6-Trichlorophenol	1700		1	19.8	170	ug/Kg	10/29/25 14:06	PB170215
95-95-4	2,4,5-Trichlorophenol	1600		1	29.1	170	ug/Kg	10/29/25 14:06	PB170215
92-52-4	1,1-Biphenyl	1600		1	21.8	170	ug/Kg	10/29/25 14:06	PB170215
91-58-7	2-Chloronaphthalene	1400		1	22.5	170	ug/Kg	10/29/25 14:06	PB170215
88-74-4	2-Nitroaniline	1600		1	48.1	170	ug/Kg	10/29/25 14:06	PB170215
131-11-3	Dimethylphthalate	1500		1	27.1	170	ug/Kg	10/29/25 14:06	PB170215
208-96-8	Acenaphthylene	1700		1	28.9	170	ug/Kg	10/29/25 14:06	PB170215
606-20-2	2,6-Dinitrotoluene	1700		1	33.6	170	ug/Kg	10/29/25 14:06	PB170215
99-09-2	3-Nitroaniline	1200		1	46.0	170	ug/Kg	10/29/25 14:06	PB170215
83-32-9	Acenaphthene	1600		1	21.3	170	ug/Kg	10/29/25 14:06	PB170215
51-28-5	2,4-Dinitrophenol	3600	E	1	230	330	ug/Kg	10/29/25 14:06	PB170215
100-02-7	4-Nitrophenol	3400	E	1	110	330	ug/Kg	10/29/25 14:06	PB170215
132-64-9	Dibenzofuran	1500		1	22.7	170	ug/Kg	10/29/25 14:06	PB170215
121-14-2	2,4-Dinitrotoluene	1700		1	50.0	170	ug/Kg	10/29/25 14:06	PB170215
84-66-2	Diethylphthalate	1500		1	28.3	170	ug/Kg	10/29/25 14:06	PB170215
7005-72-3	4-Chlorophenyl-phenylether	1500		1	26.7	170	ug/Kg	10/29/25 14:06	PB170215
86-73-7	Fluorene	1500		1	25.3	170	ug/Kg	10/29/25 14:06	PB170215
100-01-6	4-Nitroaniline	1700		1	64.1	170	ug/Kg	10/29/25 14:06	PB170215
534-52-1	4,6-Dinitro-2-methylphenol	1800		1	100	330	ug/Kg	10/29/25 14:06	PB170215

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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:	PB170215BS	SDG No.:	Q3419
Lab Sample ID:	PB170215BS	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: 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	1500		1	32.9	170	ug/Kg	10/29/25 14:06	PB170215
101-55-3	4-Bromophenyl-phenylether	1500		1	27.8	170	ug/Kg	10/29/25 14:06	PB170215
118-74-1	Hexachlorobenzene	1500		1	25.3	170	ug/Kg	10/29/25 14:06	PB170215
1912-24-9	Atrazine	1600		1	34.0	170	ug/Kg	10/29/25 14:06	PB170215
87-86-5	Pentachlorophenol	3300	E	1	51.2	330	ug/Kg	10/29/25 14:06	PB170215
85-01-8	Phenanthrene	1500		1	20.9	170	ug/Kg	10/29/25 14:06	PB170215
120-12-7	Anthracene	1500		1	33.3	170	ug/Kg	10/29/25 14:06	PB170215
86-74-8	Carbazole	1500		1	31.2	170	ug/Kg	10/29/25 14:06	PB170215
84-74-2	Di-n-butylphthalate	1500		1	47.9	170	ug/Kg	10/29/25 14:06	PB170215
206-44-0	Fluoranthene	1500		1	30.0	170	ug/Kg	10/29/25 14:06	PB170215
129-00-0	Pyrene	1400		1	36.0	170	ug/Kg	10/29/25 14:06	PB170215
85-68-7	Butylbenzylphthalate	1600		1	71.3	170	ug/Kg	10/29/25 14:06	PB170215
91-94-1	3,3-Dichlorobenzidine	1100		1	36.7	330	ug/Kg	10/29/25 14:06	PB170215
56-55-3	Benzo(a)anthracene	1500		1	23.0	170	ug/Kg	10/29/25 14:06	PB170215
218-01-9	Chrysene	1500		1	19.9	170	ug/Kg	10/29/25 14:06	PB170215
117-81-7	Bis(2-ethylhexyl)phthalate	1600		1	59.1	170	ug/Kg	10/29/25 14:06	PB170215
117-84-0	Di-n-octyl phthalate	1700		1	86.7	330	ug/Kg	10/29/25 14:06	PB170215
205-99-2	Benzo(b)fluoranthene	1500		1	19.0	170	ug/Kg	10/29/25 14:06	PB170215
207-08-9	Benzo(k)fluoranthene	1500		1	22.4	170	ug/Kg	10/29/25 14:06	PB170215
50-32-8	Benzo(a)pyrene	1600		1	29.5	170	ug/Kg	10/29/25 14:06	PB170215
193-39-5	Indeno(1,2,3-cd)pyrene	1500		1	29.1	170	ug/Kg	10/29/25 14:06	PB170215
53-70-3	Dibenzo(a,h)anthracene	1500		1	27.4	170	ug/Kg	10/29/25 14:06	PB170215
191-24-2	Benzo(g,h,i)perylene	1500		1	25.7	170	ug/Kg	10/29/25 14:06	PB170215
95-94-3	1,2,4,5-Tetrachlorobenzene	1600		1	25.6	170	ug/Kg	10/29/25 14:06	PB170215
123-91-1	1,4-Dioxane	1100		1	45.2	170	ug/Kg	10/29/25 14:06	PB170215
58-90-2	2,3,4,6-Tetrachlorophenol	1800		1	27.4	170	ug/Kg	10/29/25 14:06	PB170215
SURROGATES									
367-12-4	2-Fluorophenol	125			18 - 112	83%	SPK: 150		
13127-88-3	Phenol-d6	125			15 - 107	83%	SPK: 150		
4165-60-0	Nitrobenzene-d5	95.4			18 - 107	95%	SPK: 100		
321-60-8	2-Fluorobiphenyl	79.6			20 - 109	80%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	144			10 - 116	96%	SPK: 150		
1718-51-0	Terphenyl-d14	83.3			10 - 105	83%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	30900							
1146-65-2	Naphthalene-d8	126000							
15067-26-2	Acenaphthene-d10	103000							
1517-22-2	Phenanthrene-d10	253000							
1719-03-5	Chrysene-d12	286000							
1520-96-3	Perylene-d12	311000							

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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:	PB170215BS	SDG No.:	Q3419
Lab Sample ID:	PB170215BS	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: 10/23/25		

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:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/21/25
Client Sample ID:	PR-132-S16-015094-20251021MS	SDG No.:	Q3419
Lab Sample ID:	Q3419-02MS	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	54.4
Sample Wt/Vol:	30.03 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	2100		1	290	610	ug/Kg	10/29/25 17:34	PB170215
108-95-2	Phenol	3000		1	40.6	310	ug/Kg	10/29/25 17:34	PB170215
111-44-4	bis(2-Chloroethyl)ether	2000		1	44.6	310	ug/Kg	10/29/25 17:34	PB170215
95-57-8	2-Chlorophenol	3200		1	44.8	310	ug/Kg	10/29/25 17:34	PB170215
95-48-7	2-Methylphenol	3000		1	54.9	310	ug/Kg	10/29/25 17:34	PB170215
108-60-1	2,2-oxybis(1-Chloropropane)	2800		1	68.9	310	ug/Kg	10/29/25 17:34	PB170215
98-86-2	Acetophenone	3300		1	54.2	310	ug/Kg	10/29/25 17:34	PB170215
65794-96-9	3+4-Methylphenols	3000		1	75.5	610	ug/Kg	10/29/25 17:34	PB170215
621-64-7	n-Nitroso-di-n-propylamine	3000		1	87.0	150	ug/Kg	10/29/25 17:34	PB170215
67-72-1	Hexachloroethane	3200		1	32.3	310	ug/Kg	10/29/25 17:34	PB170215
98-95-3	Nitrobenzene	3400		1	33.6	310	ug/Kg	10/29/25 17:34	PB170215
78-59-1	Isophorone	3000		1	60.2	310	ug/Kg	10/29/25 17:34	PB170215
88-75-5	2-Nitrophenol	3800		1	110	310	ug/Kg	10/29/25 17:34	PB170215
105-67-9	2,4-Dimethylphenol	3500		1	120	310	ug/Kg	10/29/25 17:34	PB170215
111-91-1	bis(2-Chloroethoxy)methane	2900		1	56.6	310	ug/Kg	10/29/25 17:34	PB170215
120-83-2	2,4-Dichlorophenol	3500		1	52.0	310	ug/Kg	10/29/25 17:34	PB170215
91-20-3	Naphthalene	3000		1	41.7	310	ug/Kg	10/29/25 17:34	PB170215
106-47-8	4-Chloroaniline	1300		1	65.0	310	ug/Kg	10/29/25 17:34	PB170215
87-68-3	Hexachlorobutadiene	3200		1	46.5	310	ug/Kg	10/29/25 17:34	PB170215
105-60-2	Caprolactam	3100		1	95.7	610	ug/Kg	10/29/25 17:34	PB170215
59-50-7	4-Chloro-3-methylphenol	3200		1	52.7	310	ug/Kg	10/29/25 17:34	PB170215
91-57-6	2-Methylnaphthalene	2800		1	47.0	310	ug/Kg	10/29/25 17:34	PB170215
77-47-4	Hexachlorocyclopentadiene	9500	E	1	210	610	ug/Kg	10/29/25 17:34	PB170215
88-06-2	2,4,6-Trichlorophenol	3600		1	36.4	310	ug/Kg	10/29/25 17:34	PB170215
95-95-4	2,4,5-Trichlorophenol	3400		1	53.4	310	ug/Kg	10/29/25 17:34	PB170215
92-52-4	1,1-Biphenyl	3400		1	40.0	310	ug/Kg	10/29/25 17:34	PB170215
91-58-7	2-Chloronaphthalene	3100		1	41.3	310	ug/Kg	10/29/25 17:34	PB170215
88-74-4	2-Nitroaniline	3400		1	88.3	310	ug/Kg	10/29/25 17:34	PB170215
131-11-3	Dimethylphthalate	3100		1	49.8	310	ug/Kg	10/29/25 17:34	PB170215
208-96-8	Acenaphthylene	3500		1	53.1	310	ug/Kg	10/29/25 17:34	PB170215
606-20-2	2,6-Dinitrotoluene	3700		1	61.7	310	ug/Kg	10/29/25 17:34	PB170215
99-09-2	3-Nitroaniline	2500		1	84.5	310	ug/Kg	10/29/25 17:34	PB170215
83-32-9	Acenaphthene	3500		1	39.1	310	ug/Kg	10/29/25 17:34	PB170215
51-28-5	2,4-Dinitrophenol	8100	E	1	420	610	ug/Kg	10/29/25 17:34	PB170215
100-02-7	4-Nitrophenol	7500	E	1	200	610	ug/Kg	10/29/25 17:34	PB170215
132-64-9	Dibenzofuran	3100		1	41.7	310	ug/Kg	10/29/25 17:34	PB170215
121-14-2	2,4-Dinitrotoluene	3600		1	92.0	310	ug/Kg	10/29/25 17:34	PB170215
84-66-2	Diethylphthalate	3100		1	52.0	310	ug/Kg	10/29/25 17:34	PB170215
7005-72-3	4-Chlorophenyl-phenylether	3100		1	49.0	310	ug/Kg	10/29/25 17:34	PB170215
86-73-7	Fluorene	3100		1	46.5	310	ug/Kg	10/29/25 17:34	PB170215
100-01-6	4-Nitroaniline	3600		1	120	310	ug/Kg	10/29/25 17:34	PB170215
534-52-1	4,6-Dinitro-2-methylphenol	4000		1	190	610	ug/Kg	10/29/25 17:34	PB170215

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Report of Analysis

Client:	AECOM	Date Collected:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/21/25
Client Sample ID:	PR-132-S16-015094-20251021MS	SDG No.:	Q3419
Lab Sample ID:	Q3419-02MS	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	54.4
Sample Wt/Vol:	30.03 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	3100		1	60.4	310	ug/Kg	10/29/25 17:34	PB170215
101-55-3	4-Bromophenyl-phenylether	3200		1	51.1	310	ug/Kg	10/29/25 17:34	PB170215
118-74-1	Hexachlorobenzene	3200		1	46.5	310	ug/Kg	10/29/25 17:34	PB170215
1912-24-9	Atrazine	3400		1	62.4	310	ug/Kg	10/29/25 17:34	PB170215
87-86-5	Pentachlorophenol	7000	E	1	94.2	610	ug/Kg	10/29/25 17:34	PB170215
85-01-8	Phenanthrene	3100		1	38.4	310	ug/Kg	10/29/25 17:34	PB170215
120-12-7	Anthracene	3100		1	61.2	310	ug/Kg	10/29/25 17:34	PB170215
86-74-8	Carbazole	3100		1	57.3	310	ug/Kg	10/29/25 17:34	PB170215
84-74-2	Di-n-butylphthalate	3200		1	88.0	310	ug/Kg	10/29/25 17:34	PB170215
206-44-0	Fluoranthene	3100		1	55.1	310	ug/Kg	10/29/25 17:34	PB170215
129-00-0	Pyrene	2900		1	66.1	310	ug/Kg	10/29/25 17:34	PB170215
85-68-7	Butylbenzylphthalate	3500		1	130	310	ug/Kg	10/29/25 17:34	PB170215
91-94-1	3,3-Dichlorobenzidine	1700		1	67.4	610	ug/Kg	10/29/25 17:34	PB170215
56-55-3	Benzo(a)anthracene	3100		1	42.2	310	ug/Kg	10/29/25 17:34	PB170215
218-01-9	Chrysene	3100		1	36.5	310	ug/Kg	10/29/25 17:34	PB170215
117-81-7	Bis(2-ethylhexyl)phthalate	3400		1	110	310	ug/Kg	10/29/25 17:34	PB170215
117-84-0	Di-n-octyl phthalate	3500		1	160	610	ug/Kg	10/29/25 17:34	PB170215
205-99-2	Benzo(b)fluoranthene	3100		1	34.9	310	ug/Kg	10/29/25 17:34	PB170215
207-08-9	Benzo(k)fluoranthene	3200		1	41.1	310	ug/Kg	10/29/25 17:34	PB170215
50-32-8	Benzo(a)pyrene	3200		1	54.2	310	ug/Kg	10/29/25 17:34	PB170215
193-39-5	Indeno(1,2,3-cd)pyrene	3100		1	53.4	310	ug/Kg	10/29/25 17:34	PB170215
53-70-3	Dibenzo(a,h)anthracene	3200		1	50.3	310	ug/Kg	10/29/25 17:34	PB170215
191-24-2	Benzo(g,h,i)perylene	3100		1	47.2	310	ug/Kg	10/29/25 17:34	PB170215
95-94-3	1,2,4,5-Tetrachlorobenzene	3500		1	47.0	310	ug/Kg	10/29/25 17:34	PB170215
123-91-1	1,4-Dioxane	2500		1	83.0	310	ug/Kg	10/29/25 17:34	PB170215
58-90-2	2,3,4,6-Tetrachlorophenol	3800		1	50.3	310	ug/Kg	10/29/25 17:34	PB170215
SURROGATES									
367-12-4	2-Fluorophenol	95.5			18 - 112	64%	SPK: 150		
13127-88-3	Phenol-d6	99.7			15 - 107	66%	SPK: 150		
4165-60-0	Nitrobenzene-d5	76.9			18 - 107	77%	SPK: 100		
321-60-8	2-Fluorobiphenyl	60.3			20 - 109	60%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	123			10 - 116	82%	SPK: 150		
1718-51-0	Terphenyl-d14	60.4			10 - 105	60%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	30500							
1146-65-2	Naphthalene-d8	121000							
15067-26-2	Acenaphthene-d10	93600							
1517-22-2	Phenanthrene-d10	230000							
1719-03-5	Chrysene-d12	272000							
1520-96-3	Perylene-d12	297000							

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Report of Analysis

Client:	AECOM	Date Collected:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/21/25
Client Sample ID:	PR-132-S16-015094-20251021MS	SDG No.:	Q3419
Lab Sample ID:	Q3419-02MS	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	54.4
Sample Wt/Vol:	30.03 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/23/25		

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
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Report of Analysis

Client:	AECOM	Date Collected:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/21/25
Client Sample ID:	PR-132-S16-015094-20251021MSD	SDG No.:	Q3419
Lab Sample ID:	Q3419-03MSD	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	54.4
Sample Wt/Vol:	30.05 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	2100		1	290	610	ug/Kg	10/29/25 18:15	PB170215
108-95-2	Phenol	2900		1	40.6	310	ug/Kg	10/29/25 18:15	PB170215
111-44-4	bis(2-Chloroethyl)ether	1900		1	44.6	310	ug/Kg	10/29/25 18:15	PB170215
95-57-8	2-Chlorophenol	3000		1	44.8	310	ug/Kg	10/29/25 18:15	PB170215
95-48-7	2-Methylphenol	2900		1	54.9	310	ug/Kg	10/29/25 18:15	PB170215
108-60-1	2,2-oxybis(1-Chloropropane)	2700		1	68.8	310	ug/Kg	10/29/25 18:15	PB170215
98-86-2	Acetophenone	3100		1	54.1	310	ug/Kg	10/29/25 18:15	PB170215
65794-96-9	3+4-Methylphenols	2900		1	75.4	610	ug/Kg	10/29/25 18:15	PB170215
621-64-7	n-Nitroso-di-n-propylamine	2700		1	87.0	150	ug/Kg	10/29/25 18:15	PB170215
67-72-1	Hexachloroethane	3000		1	32.3	310	ug/Kg	10/29/25 18:15	PB170215
98-95-3	Nitrobenzene	3300		1	33.6	310	ug/Kg	10/29/25 18:15	PB170215
78-59-1	Isophorone	2800		1	60.2	310	ug/Kg	10/29/25 18:15	PB170215
88-75-5	2-Nitrophenol	3800		1	110	310	ug/Kg	10/29/25 18:15	PB170215
105-67-9	2,4-Dimethylphenol	3300		1	120	310	ug/Kg	10/29/25 18:15	PB170215
111-91-1	bis(2-Chloroethoxy)methane	2800		1	56.5	310	ug/Kg	10/29/25 18:15	PB170215
120-83-2	2,4-Dichlorophenol	3300		1	51.9	310	ug/Kg	10/29/25 18:15	PB170215
91-20-3	Naphthalene	2900		1	41.7	310	ug/Kg	10/29/25 18:15	PB170215
106-47-8	4-Chloroaniline	1200		1	65.0	310	ug/Kg	10/29/25 18:15	PB170215
87-68-3	Hexachlorobutadiene	3100		1	46.4	310	ug/Kg	10/29/25 18:15	PB170215
105-60-2	Caprolactam	2800		1	95.6	610	ug/Kg	10/29/25 18:15	PB170215
59-50-7	4-Chloro-3-methylphenol	3100		1	52.7	310	ug/Kg	10/29/25 18:15	PB170215
91-57-6	2-Methylnaphthalene	2700		1	47.0	310	ug/Kg	10/29/25 18:15	PB170215
77-47-4	Hexachlorocyclopentadiene	8900	E	1	210	610	ug/Kg	10/29/25 18:15	PB170215
88-06-2	2,4,6-Trichlorophenol	3500		1	36.3	310	ug/Kg	10/29/25 18:15	PB170215
95-95-4	2,4,5-Trichlorophenol	3400		1	53.4	310	ug/Kg	10/29/25 18:15	PB170215
92-52-4	1,1-Biphenyl	3300		1	40.0	310	ug/Kg	10/29/25 18:15	PB170215
91-58-7	2-Chloronaphthalene	3000		1	41.3	310	ug/Kg	10/29/25 18:15	PB170215
88-74-4	2-Nitroaniline	3300		1	88.3	310	ug/Kg	10/29/25 18:15	PB170215
131-11-3	Dimethylphthalate	2900		1	49.7	310	ug/Kg	10/29/25 18:15	PB170215
208-96-8	Acenaphthylene	3300		1	53.0	310	ug/Kg	10/29/25 18:15	PB170215
606-20-2	2,6-Dinitrotoluene	3600		1	61.7	310	ug/Kg	10/29/25 18:15	PB170215
99-09-2	3-Nitroaniline	2400		1	84.4	310	ug/Kg	10/29/25 18:15	PB170215
83-32-9	Acenaphthene	3400		1	39.1	310	ug/Kg	10/29/25 18:15	PB170215
51-28-5	2,4-Dinitrophenol	7800	E	1	420	610	ug/Kg	10/29/25 18:15	PB170215
100-02-7	4-Nitrophenol	6900	E	1	200	610	ug/Kg	10/29/25 18:15	PB170215
132-64-9	Dibenzofuran	2900		1	41.7	310	ug/Kg	10/29/25 18:15	PB170215
121-14-2	2,4-Dinitrotoluene	3300		1	91.9	310	ug/Kg	10/29/25 18:15	PB170215
84-66-2	Diethylphthalate	2900		1	51.9	310	ug/Kg	10/29/25 18:15	PB170215
7005-72-3	4-Chlorophenyl-phenylether	3000		1	49.0	310	ug/Kg	10/29/25 18:15	PB170215
86-73-7	Fluorene	3000		1	46.4	310	ug/Kg	10/29/25 18:15	PB170215
100-01-6	4-Nitroaniline	3500		1	120	310	ug/Kg	10/29/25 18:15	PB170215
534-52-1	4,6-Dinitro-2-methylphenol	3900		1	190	610	ug/Kg	10/29/25 18:15	PB170215

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Report of Analysis

Client:	AECOM	Date Collected:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/21/25
Client Sample ID:	PR-132-S16-015094-20251021MSD	SDG No.:	Q3419
Lab Sample ID:	Q3419-03MSD	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	54.4
Sample Wt/Vol:	30.05 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	3100		1	60.4	310	ug/Kg	10/29/25 18:15	PB170215
101-55-3	4-Bromophenyl-phenylether	3000		1	51.0	310	ug/Kg	10/29/25 18:15	PB170215
118-74-1	Hexachlorobenzene	3100		1	46.4	310	ug/Kg	10/29/25 18:15	PB170215
1912-24-9	Atrazine	3300		1	62.4	310	ug/Kg	10/29/25 18:15	PB170215
87-86-5	Pentachlorophenol	6800	E	1	94.1	610	ug/Kg	10/29/25 18:15	PB170215
85-01-8	Phenanthrene	3000		1	38.4	310	ug/Kg	10/29/25 18:15	PB170215
120-12-7	Anthracene	2900		1	61.1	310	ug/Kg	10/29/25 18:15	PB170215
86-74-8	Carbazole	3000		1	57.3	310	ug/Kg	10/29/25 18:15	PB170215
84-74-2	Di-n-butylphthalate	3100		1	87.9	310	ug/Kg	10/29/25 18:15	PB170215
206-44-0	Fluoranthene	3100		1	55.1	310	ug/Kg	10/29/25 18:15	PB170215
129-00-0	Pyrene	2700		1	66.1	310	ug/Kg	10/29/25 18:15	PB170215
85-68-7	Butylbenzylphthalate	3400		1	130	310	ug/Kg	10/29/25 18:15	PB170215
91-94-1	3,3-Dichlorobenzidine	1700		1	67.4	610	ug/Kg	10/29/25 18:15	PB170215
56-55-3	Benzo(a)anthracene	3000		1	42.2	310	ug/Kg	10/29/25 18:15	PB170215
218-01-9	Chrysene	2900		1	36.5	310	ug/Kg	10/29/25 18:15	PB170215
117-81-7	Bis(2-ethylhexyl)phthalate	3400		1	110	310	ug/Kg	10/29/25 18:15	PB170215
117-84-0	Di-n-octyl phthalate	3300		1	160	610	ug/Kg	10/29/25 18:15	PB170215
205-99-2	Benzo(b)fluoranthene	3000		1	34.9	310	ug/Kg	10/29/25 18:15	PB170215
207-08-9	Benzo(k)fluoranthene	3000		1	41.1	310	ug/Kg	10/29/25 18:15	PB170215
50-32-8	Benzo(a)pyrene	3100		1	54.1	310	ug/Kg	10/29/25 18:15	PB170215
193-39-5	Indeno(1,2,3-cd)pyrene	3000		1	53.4	310	ug/Kg	10/29/25 18:15	PB170215
53-70-3	Dibenzo(a,h)anthracene	3000		1	50.3	310	ug/Kg	10/29/25 18:15	PB170215
191-24-2	Benzo(g,h,i)perylene	3000		1	47.2	310	ug/Kg	10/29/25 18:15	PB170215
95-94-3	1,2,4,5-Tetrachlorobenzene	3400		1	47.0	310	ug/Kg	10/29/25 18:15	PB170215
123-91-1	1,4-Dioxane	2300		1	83.0	310	ug/Kg	10/29/25 18:15	PB170215
58-90-2	2,3,4,6-Tetrachlorophenol	3600		1	50.3	310	ug/Kg	10/29/25 18:15	PB170215
SURROGATES									
367-12-4	2-Fluorophenol	92.9			18 - 112	62%	SPK: 150		
13127-88-3	Phenol-d6	92.6			15 - 107	62%	SPK: 150		
4165-60-0	Nitrobenzene-d5	74.9			18 - 107	75%	SPK: 100		
321-60-8	2-Fluorobiphenyl	58.4			20 - 109	58%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	118			10 - 116	79%	SPK: 150		
1718-51-0	Terphenyl-d14	57.1			10 - 105	57%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	31800							
1146-65-2	Naphthalene-d8	125000							
15067-26-2	Acenaphthene-d10	95000							
1517-22-2	Phenanthrene-d10	231000							
1719-03-5	Chrysene-d12	282000							
1520-96-3	Perylene-d12	309000							

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

Report of Analysis

Client:	AECOM	Date Collected:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/21/25
Client Sample ID:	PR-132-S16-015094-20251021MSD	SDG No.:	Q3419
Lab Sample ID:	Q3419-03MSD	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	54.4
Sample Wt/Vol:	30.05 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/23/25		

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-BF102425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Oct 24 17:30:25 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF144056.D 5 =BF144057.D 10 =BF144058.D 20 =BF144059.D 40 =BF144060.D 50 =BF144061.D 60 =BF144064.D 80 =BF1440
63.D

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

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

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

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

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

(#) = Out of Range

Response Factor Report GC/MS Ins

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

Calibration Files
2.5 =BG064569.D 5 =BG064570.D 10 =BG064571.D 20 =BG064572.D 40 =BG064573.D 50 =BG064576.D 60 =BG064574.D 80 =BG0645
75.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.570	0.581	0.524	0.525	0.474	0.559	0.460	0.528	8.85
3)		Pyridine		1.630	1.608	1.552	1.669	1.471	1.733	1.427	1.584	6.84
4)		n-Nitrosodimet...			0.912	0.807	0.900	0.780	0.921	0.776	0.850	8.08
5)	S	2-Fluorophenol		1.098	1.207	1.155	1.292	1.139	1.318	1.132	1.192	7.09
6)		Aniline		2.203	2.320	2.131	2.386	2.090	2.440	2.004	2.225	7.28
7)	S	Phenol-d6		1.469	1.654	1.566	1.771	1.597	1.864	1.524	1.635	8.55
8)		2-Chlorophenol		1.051	1.207	1.197	1.373	1.225	1.461	1.216	1.247	10.65
9)		Benzaldehyde			0.942	0.994	0.940	0.836	0.981	0.662	0.893	14.09
10)	C	Phenol		1.665	1.820	1.748	1.944	1.761	2.027	1.693	1.808	7.36
11)		bis(2-Chloroet...		2.203	2.320	2.131	2.386	2.090	2.440	2.004	2.225	7.28
12)		1,3-Dichlorobe...		1.435	1.516	1.394	1.520	1.342	1.542	1.299	1.435	6.62
13)	C	1,4-Dichlorobe...		1.431	1.546	1.442	1.534	1.381	1.561	1.323	1.460	6.21
14)		1,2-Dichlorobe...		1.371	1.518	1.364	1.483	1.316	1.520	1.283	1.408	6.97
15)		Benzyl Alcohol			1.281	1.263	1.425	1.306	1.533	1.283	1.348	7.97
16)		2,2'-oxybis(1-...		3.421	3.604	3.396	3.733	3.301	3.802	3.154	3.487	6.74
17)		2-Methylphenol		0.548	0.670	0.646	0.745	0.677	0.793	0.638	0.674	11.71
18)		Hexachloroethane		0.468	0.535	0.505	0.541	0.496	0.557	0.483	0.512	6.41
19)	P	n-Nitroso-di-n...	1.044	1.038	1.141	1.129	1.227	1.115	1.289	1.057	1.130	7.93
20)		3+4-Methylphenols			1.652	1.581	1.818	1.612	1.895	1.571	1.688	8.04
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.535	0.565	0.528	0.584	0.516	0.590	0.509	0.547	6.04
23)	S	Nitrobenzene-d5		0.239	0.286	0.314	0.377	0.356	0.403	0.356	0.333	17.02
24)		Nitrobenzene		0.274	0.312	0.344	0.410	0.377	0.438	0.380	0.362	15.64
25)		Isophorone		0.751	0.796	0.771	0.869	0.764	0.891	0.751	0.799	7.25
26)	C	2-Nitrophenol		0.076	0.095	0.110	0.137	0.135	0.152	0.144	0.121	23.20
27)		2,4-Dimethylph...		0.236	0.294	0.285	0.335	0.309	0.359	0.303	0.303	12.88
28)		bis(2-Chloroet...		0.452	0.464	0.443	0.490	0.426	0.493	0.417	0.455	6.48
29)	C	2,4-Dichloroph...		0.243	0.299	0.315	0.360	0.327	0.373	0.322	0.320	13.34
30)		1,2,4-Trichlor...		0.338	0.369	0.348	0.391	0.349	0.399	0.349	0.363	6.44
31)		Naphthalene		1.083	1.144	1.084	1.177	1.036	1.201	1.037	1.109	5.96
32)		Benzoic acid			0.100	0.143	0.204	0.215	0.245	0.229	0.189	29.61
33)		4-Chloroaniline		0.390	0.456	0.411	0.459	0.410	0.486	0.405	0.431	8.29
34)	C	Hexachlorobuta...		0.266	0.291	0.282	0.299	0.271	0.306	0.273	0.284	5.33
35)		Caprolactam			0.112	0.114	0.134	0.118	0.142	0.116	0.123	9.85
36)	C	4-Chloro-3-met...		0.323	0.381	0.361	0.426	0.376	0.454	0.370	0.384	11.18
37)		2-Methylnaphth...		0.764	0.858	0.797	0.865	0.772	0.888	0.755	0.814	6.74
38)		1-Methylnaphth...		0.764	0.849	0.776	0.853	0.752	0.878	0.735	0.801	7.18

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

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

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

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

(#) = Out of Range

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG No.: Q3419

Instrument ID: BNA_F Calibration Date/Time: 10/29/2025 11:30

Lab File ID: BF144121.D Init. Calib. Date(s): 10/24/2025 10/24/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:13 16:24

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.264	1.346		6.5	
Benzaldehyde	1.084	1.051		-3.0	
Phenol-d6	1.396	1.460		4.6	
Phenol	1.722	1.843		7.0	20.0
bis(2-Chloroethyl)ether	1.245	1.332		7.0	
2-Chlorophenol	1.245	1.284		3.1	
2-Methylphenol	0.957	1.014		6.0	
2,2-oxybis(1-Chloropropane)	2.339	2.460		5.2	
Acetophenone	0.432	0.429		-0.7	
3+4-Methylphenols	1.132	1.224		8.1	
n-Nitroso-di-n-propylamine	0.903	0.927	0.050	2.7	
Nitrobenzene-d5	0.365	0.361		-1.1	
Hexachloroethane	0.541	0.545		0.7	
Nitrobenzene	0.386	0.394		2.1	
Isophorone	0.638	0.649		1.7	
2-Nitrophenol	0.184	0.193		4.9	20.0
2,4-Dimethylphenol	0.273	0.290		6.2	
bis(2-Chloroethoxy)methane	0.398	0.409		2.8	
2,4-Dichlorophenol	0.317	0.328		3.5	20.0
Naphthalene	0.944	0.957		1.4	
4-Chloroaniline	0.329	0.349		6.1	
Hexachlorobutadiene	0.267	0.260		-2.6	20.0
Caprolactam	0.080	0.084		5.0	
4-Chloro-3-methylphenol	0.280	0.296		5.7	20.0
2-Methylnaphthalene	0.622	0.630		1.3	
Hexachlorocyclopentadiene	0.212	0.181	0.050	-14.6	
2,4,6-Trichlorophenol	0.447	0.466		4.3	20.0
2-Fluorobiphenyl	1.421	1.368		-3.7	
2,4,5-Trichlorophenol	0.469	0.490		4.5	
1,1-Biphenyl	1.432	1.430		-0.1	
2-Chloronaphthalene	1.199	1.242		3.6	
2-Nitroaniline	0.356	0.357		0.3	
Dimethylphthalate	1.311	1.355		3.4	
Acenaphthylene	1.617	1.679		3.8	
2,6-Dinitrotoluene	0.259	0.272		5.0	
3-Nitroaniline	0.288	0.311		8.0	
Acenaphthene	1.080	1.076		-0.4	20.0
2,4-Dinitrophenol	0.140	0.135	0.050	-3.6	
4-Nitrophenol	0.195	0.193	0.050	-1.0	

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG No.: Q3419

Instrument ID: BNA_F Calibration Date/Time: 10/29/2025 11:30

Lab File ID: BF144121.D Init. Calib. Date(s): 10/24/2025 10/24/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:13 16:24

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.499	1.529		2.0	
2,4-Dinitrotoluene	0.350	0.369		5.4	
Diethylphthalate	1.233	1.231		-0.2	
4-Chlorophenyl-phenylether	0.643	0.660		2.6	
Fluorene	1.143	1.160		1.5	
4-Nitroaniline	0.273	0.277		1.5	
4,6-Dinitro-2-methylphenol	0.128	0.128		0.0	
n-Nitrosodiphenylamine	0.639	0.669		4.7	20.0
2,4,6-Tribromophenol	0.255	0.252		-1.2	
4-Bromophenyl-phenylether	0.250	0.265		6.0	
Hexachlorobenzene	0.307	0.310		1.0	
Atrazine	0.210	0.208		-1.0	
Pentachlorophenol	0.146	0.162		11.0	20.0
Phenanthrene	0.994	1.031		3.7	
Anthracene	1.026	1.051		2.4	
Carbazole	0.874	0.888		1.6	
Di-n-butylphthalate	1.071	1.096		2.3	
Fluoranthene	1.098	1.097		-0.1	20.0
Pyrene	1.438	1.509		4.9	
Terphenyl-d14	1.144	1.166		1.9	
Butylbenzylphthalate	0.544	0.562		3.3	
3,3-Dichlorobenzidine	0.470	0.520		10.6	
Benzo(a)anthracene	1.352	1.439		6.4	
Chrysene	1.268	1.339		5.6	
Bis(2-ethylhexyl)phthalate	0.743	0.791		6.5	
Di-n-octyl phthalate	1.277	1.456		14.0	20.0
Benzo(b)fluoranthene	1.131	1.146		1.3	
Benzo(k)fluoranthene	1.043	1.131		8.4	
Benzo(a)pyrene	1.014	1.085		7.0	20.0
Indeno(1,2,3-cd)pyrene	1.373	1.487		8.3	
Dibenzo(a,h)anthracene	1.087	1.186		9.1	
Benzo(g,h,i)perylene	1.093	1.183		8.2	
1,2,4,5-Tetrachlorobenzene	0.687	0.695		1.2	
1,4-Dioxane	0.546	0.560		2.6	20.0
2,3,4,6-Tetrachlorophenol	0.330	0.352		6.7	

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.: Q3419

Instrument ID: BNA_G Calibration Date/Time: 10/28/2025 13:45

Lab File ID: BG064600.D Init. Calib. Date(s): 10/24/2025 10/24/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:00 15:32

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.192	1.244		4.4	
Benzaldehyde	0.893	0.888		-0.6	
Phenol-d6	1.635	1.675		2.4	
Phenol	1.808	1.888		4.4	20.0
bis(2-Chloroethyl)ether	2.225	2.289		2.9	
2-Chlorophenol	1.247	1.245		-0.2	
2-Methylphenol	0.674	0.680		0.9	
2,2-oxybis(1-Chloropropane)	3.487	3.880		11.3	
Acetophenone	0.547	0.583		6.6	
3+4-Methylphenols	1.688	1.671		-1.0	
n-Nitroso-di-n-propylamine	1.130	1.210	0.050	7.1	
Nitrobenzene-d5	0.333	0.361		8.4	
Hexachloroethane	0.512	0.551		7.6	
Nitrobenzene	0.362	0.392		8.3	
Isophorone	0.799	0.869		8.8	
2-Nitrophenol	0.121	0.135		11.6	20.0
2,4-Dimethylphenol	0.303	0.323		6.6	
bis(2-Chloroethoxy)methane	0.455	0.488		7.3	
2,4-Dichlorophenol	0.320	0.337		5.3	20.0
Naphthalene	1.109	1.185		6.9	
4-Chloroaniline	0.431	0.453		5.1	
Hexachlorobutadiene	0.284	0.301		6.0	20.0
Caprolactam	0.123	0.122		-0.8	
4-Chloro-3-methylphenol	0.384	0.408		6.3	20.0
2-Methylnaphthalene	0.814	0.869		6.8	
Hexachlorocyclopentadiene	0.302	0.327	0.050	8.3	
2,4,6-Trichlorophenol	0.384	0.408		6.3	20.0
2-Fluorobiphenyl	1.319	1.384		4.9	
2,4,5-Trichlorophenol	0.443	0.462		4.3	
1,1-Biphenyl	1.422	1.511		6.3	
2-Chloronaphthalene	1.073	1.142		6.4	
2-Nitroaniline	0.311	0.324		4.2	
Dimethylphthalate	1.530	1.578		3.1	
Acenaphthylene	1.693	1.798		6.2	
2,6-Dinitrotoluene	0.218	0.235		7.8	
3-Nitroaniline	0.263	0.290		10.3	
Acenaphthene	1.157	1.231		6.4	20.0
2,4-Dinitrophenol	0.132	0.158	0.050	19.7	
4-Nitrophenol	0.244	0.261	0.050	7.0	

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG No.: Q3419

Instrument ID: BNA_G Calibration Date/Time: 10/28/2025 13:45

Lab File ID: BG064600.D Init. Calib. Date(s): 10/24/2025 10/24/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:00 15:32

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.870	1.967		5.2	
2,4-Dinitrotoluene	0.340	0.374		10.0	
Diethylphthalate	1.563	1.619		3.6	
4-Chlorophenyl-phenylether	0.820	0.874		6.6	
Fluorene	1.460	1.566		7.3	
4-Nitroaniline	0.293	0.338		15.4	
4,6-Dinitro-2-methylphenol	0.079	0.096		21.5	
n-Nitrosodiphenylamine	0.540	0.566		4.8	20.0
2,4,6-Tribromophenol	0.289	0.305		5.5	
4-Bromophenyl-phenylether	0.237	0.250		5.5	
Hexachlorobenzene	0.270	0.286		5.9	
Atrazine	0.232	0.232		0.0	
Pentachlorophenol	0.169	0.180		6.5	20.0
Phenanthrene	1.094	1.174		7.3	
Anthracene	1.113	1.198		7.6	
Carbazole	0.981	1.064		8.5	
Di-n-butylphthalate	1.135	1.176		3.6	
Fluoranthene	1.370	1.518		10.8	20.0
Pyrene	1.307	1.281		-2.0	
Terphenyl-d14	1.060	1.051		-0.8	
Butylbenzylphthalate	0.395	0.408		3.3	
3,3-Dichlorobenzidine	0.443	0.483		9.0	
Benzo(a)anthracene	1.326	1.430		7.8	
Chrysene	1.262	1.347		6.7	
Bis(2-ethylhexyl)phthalate	0.590	0.618		4.7	
Di-n-octyl phthalate	0.995	1.069		7.4	20.0
Benzo(b)fluoranthene	1.226	1.284		4.7	
Benzo(k)fluoranthene	1.227	1.304		6.3	
Benzo(a)pyrene	1.127	1.201		6.6	20.0
Indeno(1,2,3-cd)pyrene	1.471	1.584		7.7	
Dibenzo(a,h)anthracene	1.195	1.292		8.1	
Benzo(g,h,i)perylene	1.471	1.584		7.7	
1,2,4,5-Tetrachlorobenzene	0.671	0.712		6.1	
1,4-Dioxane	0.528	0.500		-5.3	20.0
2,3,4,6-Tetrachlorophenol	0.424	0.450		6.1	

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.: Q3419

Instrument ID: BNA_G Calibration Date/Time: 10/29/2025 11:22

Lab File ID: BG064618.D Init. Calib. Date(s): 10/24/2025 10/24/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:00 15:32

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.192	1.266		6.2	
Benzaldehyde	0.893	0.838		-6.2	
Phenol-d6	1.635	1.656		1.3	
Phenol	1.808	1.838		1.7	20.0
bis(2-Chloroethyl)ether	2.225	2.273		2.2	
2-Chlorophenol	1.247	1.377		10.4	
2-Methylphenol	0.674	0.720		6.8	
2,2-oxybis(1-Chloropropane)	3.487	3.674		5.4	
Acetophenone	0.547	0.581		6.2	
3+4-Methylphenols	1.688	1.742		3.2	
n-Nitroso-di-n-propylamine	1.130	1.223	0.050	8.2	
Nitrobenzene-d5	0.333	0.401		20.4	
Hexachloroethane	0.512	0.567		10.7	
Nitrobenzene	0.362	0.429		18.5	
Isophorone	0.799	0.833		4.3	
2-Nitrophenol	0.121	0.168		38.8	20.0
2,4-Dimethylphenol	0.303	0.311		2.6	
bis(2-Chloroethoxy)methane	0.455	0.480		5.5	
2,4-Dichlorophenol	0.320	0.352		10.0	20.0
Naphthalene	1.109	1.159		4.5	
4-Chloroaniline	0.431	0.435		0.9	
Hexachlorobutadiene	0.284	0.322		13.4	20.0
Caprolactam	0.123	0.108		-12.2	
4-Chloro-3-methylphenol	0.384	0.389		1.3	20.0
2-Methylnaphthalene	0.814	0.836		2.7	
Hexachlorocyclopentadiene	0.302	0.400	0.050	32.5	
2,4,6-Trichlorophenol	0.384	0.455		18.5	20.0
2-Fluorobiphenyl	1.319	1.473		11.7	
2,4,5-Trichlorophenol	0.443	0.492		11.1	
1,1-Biphenyl	1.422	1.535		7.9	
2-Chloronaphthalene	1.073	1.175		9.5	
2-Nitroaniline	0.311	0.378		21.5	
Dimethylphthalate	1.530	1.552		1.4	
Acenaphthylene	1.693	1.770		4.5	
2,6-Dinitrotoluene	0.218	0.272		24.8	
3-Nitroaniline	0.263	0.288		9.5	
Acenaphthene	1.157	1.225		5.9	20.0
2,4-Dinitrophenol	0.132	0.164	0.050	24.2	
4-Nitrophenol	0.244	0.241	0.050	-1.2	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG No.: Q3419

Instrument ID: BNA_G Calibration Date/Time: 10/29/2025 11:22

Lab File ID: BG064618.D Init. Calib. Date(s): 10/24/2025 10/24/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:00 15:32

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.870	1.930		3.2	
2,4-Dinitrotoluene	0.340	0.396		16.5	
Diethylphthalate	1.563	1.507		-3.6	
4-Chlorophenyl-phenylether	0.820	0.840		2.4	
Fluorene	1.460	1.476		1.1	
4-Nitroaniline	0.293	0.306		4.4	
4,6-Dinitro-2-methylphenol	0.079	0.104		31.6	
n-Nitrosodiphenylamine	0.540	0.582		7.8	20.0
2,4,6-Tribromophenol	0.289	0.312		8.0	
4-Bromophenyl-phenylether	0.237	0.262		10.5	
Hexachlorobenzene	0.270	0.300		11.1	
Atrazine	0.232	0.233		0.4	
Pentachlorophenol	0.169	0.189		11.8	20.0
Phenanthrene	1.094	1.132		3.5	
Anthracene	1.113	1.125		1.1	
Carbazole	0.981	0.970		-1.1	
Di-n-butylphthalate	1.135	1.140		0.4	
Fluoranthene	1.370	1.343		-2.0	20.0
Pyrene	1.307	1.322		1.1	
Terphenyl-d14	1.060	1.074		1.3	
Butylbenzylphthalate	0.395	0.462		17.0	
3,3-Dichlorobenzidine	0.443	0.484		9.3	
Benzo(a)anthracene	1.326	1.395		5.2	
Chrysene	1.262	1.298		2.9	
Bis(2-ethylhexyl)phthalate	0.590	0.671		13.7	
Di-n-octyl phthalate	0.995	1.203		20.9	20.0
Benzo(b)fluoranthene	1.226	1.236		0.8	
Benzo(k)fluoranthene	1.227	1.235		0.7	
Benzo(a)pyrene	1.127	1.157		2.7	20.0
Indeno(1,2,3-cd)pyrene	1.471	1.519		3.3	
Dibenzo(a,h)anthracene	1.195	1.241		3.8	
Benzo(g,h,i)perylene	1.471	1.519		3.3	
1,2,4,5-Tetrachlorobenzene	0.671	0.754		12.4	
1,4-Dioxane	0.528	0.560		6.1	20.0
2,3,4,6-Tetrachlorophenol	0.424	0.469		10.6	

All other compounds must meet a minimum RRF of 0.010.