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

LAB CHRONICLE

OrderID:	Q3395	**OrderDate:**	10/17/2025 4:25:00 PM
Client:	AECOM	**Project:**	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795 [illegible]
Contact:	Rob Forstner	**Location:**	DOCK/OOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3395-01	**PR132-S09-000051-20251017**	**SOIL**			**10/17/25**			**10/17/25**
			SVOC-TCL BNA -20	8270E		10/23/25	10/28/25	
Q3395-02	**PR132-S07-000102-20251017**	**SOIL**			**10/17/25**			**10/17/25**
			SVOC-TCL BNA -20	8270E		10/23/25	10/27/25	
Q3395-05	**PR132-S07-102116-20251017**	**SOIL**			**10/17/25**			**10/17/25**
			SVOC-TCL BNA -20	8270E		10/23/25	10/28/25	
Q3395-06	**PR132-COMP03-2025-20251017**	**SOIL**			**10/17/25**			**10/17/25**
			SVOC-TCL BNA -20	8270E		10/23/25	10/28/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3395

Client: AECOM

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID :	**PR132-S09-000051-20251017**								
Q3395-01	PR132-S09-000051-2025	SOIL	Benzophenone	*	200.000	J	0	0	ug/Kg
Q3395-01	PR132-S09-000051-2025	SOIL	Tridecanoic acid	*	220.000	J	0	0	ug/Kg
			Total Tics :		**420.00**				
			Total Concentration:		**420.00**				
Client ID :	**PR132-S07-000102-22510170**								
Q3395-02	PR132-S07-000102-2251	SOIL	Phenanthrene		190.000	J	43.5	350	ug/Kg
Q3395-02	PR132-S07-000102-2251	SOIL	Fluoranthene		180.000	J	62.4	350	ug/Kg
			Total Svoc :		**370.00**				
Q3395-02	PR132-S07-000102-2251	SOIL	Benzophenone	*	310.000	J	0	0	ug/Kg
			Total Tics :		**310.00**				
			Total Concentration:		**680.00**				
Client ID :	**PR132-S07-102116-20251017**								
Q3395-05	PR132-S07-102116-2025	SOIL	Benzophenone	*	830.000	J	0	0	ug/Kg
Q3395-05	PR132-S07-102116-2025	SOIL	Dodecane, 2,7,10-trimethyl-	*	130.000	J	0	0	ug/Kg
Q3395-05	PR132-S07-102116-2025	SOIL	Dotriacontane, 1-iodo-	*	1,300.000	J	0	0	ug/Kg
Q3395-05	PR132-S07-102116-2025	SOIL	Hexacosane	*	210.000	J	0	0	ug/Kg
Q3395-05	PR132-S07-102116-2025	SOIL	Hexadecane, 2-methyl-	*	1,200.000	J	0	0	ug/Kg
Q3395-05	PR132-S07-102116-2025	SOIL	n-Hexadecanoic acid	*	440.000	J	0	0	ug/Kg
Q3395-05	PR132-S07-102116-2025	SOIL	Octacosane	*	650.000	J	0	0	ug/Kg
Q3395-05	PR132-S07-102116-2025	SOIL	Octacosane, 2-methyl-	*	1,100.000	J	0	0	ug/Kg
Q3395-05	PR132-S07-102116-2025	SOIL	Pentacosane	*	920.000	J	0	0	ug/Kg
Q3395-05	PR132-S07-102116-2025	SOIL	Pentadecane, 2,6,10,14-tetramethy	*	270.000	J	0	0	ug/Kg
Q3395-05	PR132-S07-102116-2025	SOIL	Tridecane	*	170.000	J	0	0	ug/Kg
			Total Tics :		**7,220.00**				
			Total Concentration:		**7,220.00**				
Client ID :	**PR132-COMP03-2025-20251017**								
Q3395-06	PR132-COMP03-2025-2(	SOIL	Benzophenone	*	170.000	J	0	0	ug/Kg
			Total Tics :		**170.00**				
			Total Concentration:		**170.00**				

SAMPLE DATA

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Report of Analysis

Client:	AECOM	Date Collected:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/17/25
Client Sample ID:	PR132-S09-000051-20251017	SDG No.:	Q3395
Lab Sample ID:	Q3395-01	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	52.9
Sample Wt/Vol:	30.04 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	620	U	1	290	620	ug/Kg	10/28/25 16:44	PB170215
108-95-2	Phenol	320	U	1	41.7	320	ug/Kg	10/28/25 16:44	PB170215
111-44-4	bis(2-Chloroethyl)ether	320	U	1	45.9	320	ug/Kg	10/28/25 16:44	PB170215
95-57-8	2-Chlorophenol	320	U	1	46.1	320	ug/Kg	10/28/25 16:44	PB170215
95-48-7	2-Methylphenol	320	U	1	56.4	320	ug/Kg	10/28/25 16:44	PB170215
108-60-1	2,2-oxybis(1-Chloropropane)	320	U	1	70.8	320	ug/Kg	10/28/25 16:44	PB170215
98-86-2	Acetophenone	320	U	1	55.7	320	ug/Kg	10/28/25 16:44	PB170215
65794-96-9	3+4-Methylphenols	620	U	1	77.6	620	ug/Kg	10/28/25 16:44	PB170215
621-64-7	n-Nitroso-di-n-propylamine	150	U	1	89.5	150	ug/Kg	10/28/25 16:44	PB170215
67-72-1	Hexachloroethane	320	U	1	33.2	320	ug/Kg	10/28/25 16:44	PB170215
98-95-3	Nitrobenzene	320	U	1	34.5	320	ug/Kg	10/28/25 16:44	PB170215
78-59-1	Isophorone	320	U	1	61.9	320	ug/Kg	10/28/25 16:44	PB170215
88-75-5	2-Nitrophenol	320	U	1	110	320	ug/Kg	10/28/25 16:44	PB170215
105-67-9	2,4-Dimethylphenol	320	U	1	120	320	ug/Kg	10/28/25 16:44	PB170215
111-91-1	bis(2-Chloroethoxy)methane	320	U	1	58.1	320	ug/Kg	10/28/25 16:44	PB170215
120-83-2	2,4-Dichlorophenol	320	U	1	53.4	320	ug/Kg	10/28/25 16:44	PB170215
91-20-3	Naphthalene	320	U	1	42.9	320	ug/Kg	10/28/25 16:44	PB170215
106-47-8	4-Chloroaniline	320	U	1	66.8	320	ug/Kg	10/28/25 16:44	PB170215
87-68-3	Hexachlorobutadiene	320	U	1	47.8	320	ug/Kg	10/28/25 16:44	PB170215
105-60-2	Caprolactam	620	U	1	98.4	620	ug/Kg	10/28/25 16:44	PB170215
59-50-7	4-Chloro-3-methylphenol	320	U	1	54.2	320	ug/Kg	10/28/25 16:44	PB170215
91-57-6	2-Methylnaphthalene	320	U	1	48.3	320	ug/Kg	10/28/25 16:44	PB170215
77-47-4	Hexachlorocyclopentadiene	620	U	1	220	620	ug/Kg	10/28/25 16:44	PB170215
88-06-2	2,4,6-Trichlorophenol	320	U	1	37.4	320	ug/Kg	10/28/25 16:44	PB170215
95-95-4	2,4,5-Trichlorophenol	320	U	1	54.9	320	ug/Kg	10/28/25 16:44	PB170215
92-52-4	1,1-Biphenyl	320	U	1	41.2	320	ug/Kg	10/28/25 16:44	PB170215
91-58-7	2-Chloronaphthalene	320	U	1	42.5	320	ug/Kg	10/28/25 16:44	PB170215
88-74-4	2-Nitroaniline	320	U	1	90.8	320	ug/Kg	10/28/25 16:44	PB170215
131-11-3	Dimethylphthalate	320	U	1	51.2	320	ug/Kg	10/28/25 16:44	PB170215
208-96-8	Acenaphthylene	320	U	1	54.6	320	ug/Kg	10/28/25 16:44	PB170215
606-20-2	2,6-Dinitrotoluene	320	U	1	63.4	320	ug/Kg	10/28/25 16:44	PB170215
99-09-2	3-Nitroaniline	320	U	1	86.8	320	ug/Kg	10/28/25 16:44	PB170215
83-32-9	Acenaphthene	320	U	1	40.2	320	ug/Kg	10/28/25 16:44	PB170215
51-28-5	2,4-Dinitrophenol	620	U	1	430	620	ug/Kg	10/28/25 16:44	PB170215
100-02-7	4-Nitrophenol	620	U	1	200	620	ug/Kg	10/28/25 16:44	PB170215
132-64-9	Dibenzofuran	320	U	1	42.9	320	ug/Kg	10/28/25 16:44	PB170215
121-14-2	2,4-Dinitrotoluene	320	U	1	94.6	320	ug/Kg	10/28/25 16:44	PB170215
84-66-2	Diethylphthalate	320	U	1	53.4	320	ug/Kg	10/28/25 16:44	PB170215
7005-72-3	4-Chlorophenyl-phenylether	320	U	1	50.4	320	ug/Kg	10/28/25 16:44	PB170215
86-73-7	Fluorene	320	U	1	47.8	320	ug/Kg	10/28/25 16:44	PB170215
100-01-6	4-Nitroaniline	320	U	1	120	320	ug/Kg	10/28/25 16:44	PB170215
534-52-1	4,6-Dinitro-2-methylphenol	620	U	1	190	620	ug/Kg	10/28/25 16:44	PB170215

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Report of Analysis

Client:	AECOM	Date Collected:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/17/25
Client Sample ID:	PR132-S09-000051-20251017	SDG No.:	Q3395
Lab Sample ID:	Q3395-01	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	52.9
Sample Wt/Vol:	30.04 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	320	U	1	62.1	320	ug/Kg	10/28/25 16:44	PB170215
101-55-3	4-Bromophenyl-phenylether	320	U	1	52.5	320	ug/Kg	10/28/25 16:44	PB170215
118-74-1	Hexachlorobenzene	320	U	1	47.8	320	ug/Kg	10/28/25 16:44	PB170215
1912-24-9	Atrazine	320	U	1	64.2	320	ug/Kg	10/28/25 16:44	PB170215
87-86-5	Pentachlorophenol	620	U	1	96.8	620	ug/Kg	10/28/25 16:44	PB170215
85-01-8	Phenanthrene	320	U	1	39.5	320	ug/Kg	10/28/25 16:44	PB170215
120-12-7	Anthracene	320	U	1	62.9	320	ug/Kg	10/28/25 16:44	PB170215
86-74-8	Carbazole	320	U	1	58.9	320	ug/Kg	10/28/25 16:44	PB170215
84-74-2	Di-n-butylphthalate	320	U	1	90.4	320	ug/Kg	10/28/25 16:44	PB170215
206-44-0	Fluoranthene	320	U	1	56.6	320	ug/Kg	10/28/25 16:44	PB170215
129-00-0	Pyrene	320	U	1	68.0	320	ug/Kg	10/28/25 16:44	PB170215
85-68-7	Butylbenzylphthalate	320	U	1	130	320	ug/Kg	10/28/25 16:44	PB170215
91-94-1	3,3-Dichlorobenzidine	620	U	1	69.3	620	ug/Kg	10/28/25 16:44	PB170215
56-55-3	Benzo(a)anthracene	320	U	1	43.4	320	ug/Kg	10/28/25 16:44	PB170215
218-01-9	Chrysene	320	U	1	37.6	320	ug/Kg	10/28/25 16:44	PB170215
117-81-7	Bis(2-ethylhexyl)phthalate	320	U	1	110	320	ug/Kg	10/28/25 16:44	PB170215
117-84-0	Di-n-octyl phthalate	620	U	1	160	620	ug/Kg	10/28/25 16:44	PB170215
205-99-2	Benzo(b)fluoranthene	320	U	1	35.9	320	ug/Kg	10/28/25 16:44	PB170215
207-08-9	Benzo(k)fluoranthene	320	U	1	42.3	320	ug/Kg	10/28/25 16:44	PB170215
50-32-8	Benzo(a)pyrene	320	U	1	55.7	320	ug/Kg	10/28/25 16:44	PB170215
193-39-5	Indeno(1,2,3-cd)pyrene	320	U	1	54.9	320	ug/Kg	10/28/25 16:44	PB170215
53-70-3	Dibenzo(a,h)anthracene	320	U	1	51.7	320	ug/Kg	10/28/25 16:44	PB170215
191-24-2	Benzo(g,h,i)perylene	320	U	1	48.5	320	ug/Kg	10/28/25 16:44	PB170215
95-94-3	1,2,4,5-Tetrachlorobenzene	320	U	1	48.3	320	ug/Kg	10/28/25 16:44	PB170215
123-91-1	1,4-Dioxane	320	U	1	85.3	320	ug/Kg	10/28/25 16:44	PB170215
58-90-2	2,3,4,6-Tetrachlorophenol	320	U	1	51.7	320	ug/Kg	10/28/25 16:44	PB170215
SURROGATES									
367-12-4	2-Fluorophenol	77.9			18 - 112	52%	SPK: 150		
13127-88-3	Phenol-d6	84.0			15 - 107	56%	SPK: 150		
4165-60-0	Nitrobenzene-d5	51.0			18 - 107	51%	SPK: 100		
321-60-8	2-Fluorobiphenyl	45.5			20 - 109	45%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	86.6			10 - 116	58%	SPK: 150		
1718-51-0	Terphenyl-d14	56.4			10 - 105	56%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	63400							
1146-65-2	Naphthalene-d8	254000							
15067-26-2	Acenaphthene-d10	152000							
1517-22-2	Phenanthrene-d10	267000							
1719-03-5	Chrysene-d12	149000							
1520-96-3	Perylene-d12	173000							
TENTATIVE IDENTIFIED COMPOUNDS									
000119-61-9	Benzophenone	200	J			10.6	ug/Kg		
000638-53-9	Tridecanoic acid	220	J			11.9	ug/Kg		

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Report of Analysis

Client:	AECOM	Date Collected:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/17/25
Client Sample ID:	PR132-S09-000051-20251017	SDG No.:	Q3395
Lab Sample ID:	Q3395-01	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	52.9
Sample Wt/Vol:	30.04 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:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/17/25
Client Sample ID:	PR132-S07-000102-22510170	SDG No.:	Q3395
Lab Sample ID:	Q3395-02	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	47.9
Sample Wt/Vol:	30.09 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	690	U	1	320	690	ug/Kg	10/27/25 16:33	PB170215
108-95-2	Phenol	350	U	1	46.0	350	ug/Kg	10/27/25 16:33	PB170215
111-44-4	bis(2-Chloroethyl)ether	350	U	1	50.6	350	ug/Kg	10/27/25 16:33	PB170215
95-57-8	2-Chlorophenol	350	U	1	50.8	350	ug/Kg	10/27/25 16:33	PB170215
95-48-7	2-Methylphenol	350	U	1	62.2	350	ug/Kg	10/27/25 16:33	PB170215
108-60-1	2,2-oxybis(1-Chloropropane)	350	U	1	78.1	350	ug/Kg	10/27/25 16:33	PB170215
98-86-2	Acetophenone	350	U	1	61.4	350	ug/Kg	10/27/25 16:33	PB170215
65794-96-9	3+4-Methylphenols	690	U	1	85.5	690	ug/Kg	10/27/25 16:33	PB170215
621-64-7	n-Nitroso-di-n-propylamine	170	U	1	98.7	170	ug/Kg	10/27/25 16:33	PB170215
67-72-1	Hexachloroethane	350	U	1	36.6	350	ug/Kg	10/27/25 16:33	PB170215
98-95-3	Nitrobenzene	350	U	1	38.1	350	ug/Kg	10/27/25 16:33	PB170215
78-59-1	Isophorone	350	U	1	68.3	350	ug/Kg	10/27/25 16:33	PB170215
88-75-5	2-Nitrophenol	350	U	1	120	350	ug/Kg	10/27/25 16:33	PB170215
105-67-9	2,4-Dimethylphenol	350	U	1	130	350	ug/Kg	10/27/25 16:33	PB170215
111-91-1	bis(2-Chloroethoxy)methane	350	U	1	64.1	350	ug/Kg	10/27/25 16:33	PB170215
120-83-2	2,4-Dichlorophenol	350	U	1	58.9	350	ug/Kg	10/27/25 16:33	PB170215
91-20-3	Naphthalene	350	U	1	47.2	350	ug/Kg	10/27/25 16:33	PB170215
106-47-8	4-Chloroaniline	350	U	1	73.7	350	ug/Kg	10/27/25 16:33	PB170215
87-68-3	Hexachlorobutadiene	350	U	1	52.7	350	ug/Kg	10/27/25 16:33	PB170215
105-60-2	Caprolactam	690	U	1	110	690	ug/Kg	10/27/25 16:33	PB170215
59-50-7	4-Chloro-3-methylphenol	350	U	1	59.7	350	ug/Kg	10/27/25 16:33	PB170215
91-57-6	2-Methylnaphthalene	350	U	1	53.3	350	ug/Kg	10/27/25 16:33	PB170215
77-47-4	Hexachlorocyclopentadiene	690	U	1	240	690	ug/Kg	10/27/25 16:33	PB170215
88-06-2	2,4,6-Trichlorophenol	350	U	1	41.2	350	ug/Kg	10/27/25 16:33	PB170215
95-95-4	2,4,5-Trichlorophenol	350	U	1	60.6	350	ug/Kg	10/27/25 16:33	PB170215
92-52-4	1,1-Biphenyl	350	U	1	45.4	350	ug/Kg	10/27/25 16:33	PB170215
91-58-7	2-Chloronaphthalene	350	U	1	46.8	350	ug/Kg	10/27/25 16:33	PB170215
88-74-4	2-Nitroaniline	350	U	1	100	350	ug/Kg	10/27/25 16:33	PB170215
131-11-3	Dimethylphthalate	350	U	1	56.4	350	ug/Kg	10/27/25 16:33	PB170215
208-96-8	Acenaphthylene	350	U	1	60.2	350	ug/Kg	10/27/25 16:33	PB170215
606-20-2	2,6-Dinitrotoluene	350	U	1	69.9	350	ug/Kg	10/27/25 16:33	PB170215
99-09-2	3-Nitroaniline	350	U	1	95.7	350	ug/Kg	10/27/25 16:33	PB170215
83-32-9	Acenaphthene	350	U	1	44.3	350	ug/Kg	10/27/25 16:33	PB170215
51-28-5	2,4-Dinitrophenol	690	U	1	480	690	ug/Kg	10/27/25 16:33	PB170215
100-02-7	4-Nitrophenol	690	U	1	220	690	ug/Kg	10/27/25 16:33	PB170215
132-64-9	Dibenzofuran	350	U	1	47.2	350	ug/Kg	10/27/25 16:33	PB170215
121-14-2	2,4-Dinitrotoluene	350	U	1	100	350	ug/Kg	10/27/25 16:33	PB170215
84-66-2	Diethylphthalate	350	U	1	58.9	350	ug/Kg	10/27/25 16:33	PB170215
7005-72-3	4-Chlorophenyl-phenylether	350	U	1	55.6	350	ug/Kg	10/27/25 16:33	PB170215
86-73-7	Fluorene	350	U	1	52.7	350	ug/Kg	10/27/25 16:33	PB170215
100-01-6	4-Nitroaniline	350	U	1	130	350	ug/Kg	10/27/25 16:33	PB170215
534-52-1	4,6-Dinitro-2-methylphenol	690	U	1	210	690	ug/Kg	10/27/25 16:33	PB170215

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Report of Analysis

Client:	AECOM	Date Collected:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/17/25
Client Sample ID:	PR132-S07-000102-22510170	SDG No.:	Q3395
Lab Sample ID:	Q3395-02	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	47.9
Sample Wt/Vol:	30.09 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	350	U	1	68.5	350	ug/Kg	10/27/25 16:33	PB170215
101-55-3	4-Bromophenyl-phenylether	350	U	1	57.9	350	ug/Kg	10/27/25 16:33	PB170215
118-74-1	Hexachlorobenzene	350	U	1	52.7	350	ug/Kg	10/27/25 16:33	PB170215
1912-24-9	Atrazine	350	U	1	70.8	350	ug/Kg	10/27/25 16:33	PB170215
87-86-5	Pentachlorophenol	690	U	1	110	690	ug/Kg	10/27/25 16:33	PB170215
85-01-8	Phenanthrene	190	J	1	43.5	350	ug/Kg	10/27/25 16:33	PB170215
120-12-7	Anthracene	350	U	1	69.3	350	ug/Kg	10/27/25 16:33	PB170215
86-74-8	Carbazole	350	U	1	64.9	350	ug/Kg	10/27/25 16:33	PB170215
84-74-2	Di-n-butylphthalate	350	U	1	99.7	350	ug/Kg	10/27/25 16:33	PB170215
206-44-0	Fluoranthene	180	J	1	62.4	350	ug/Kg	10/27/25 16:33	PB170215
129-00-0	Pyrene	350	U	1	74.9	350	ug/Kg	10/27/25 16:33	PB170215
85-68-7	Butylbenzylphthalate	350	U	1	150	350	ug/Kg	10/27/25 16:33	PB170215
91-94-1	3,3-Dichlorobenzidine	690	U	1	76.4	690	ug/Kg	10/27/25 16:33	PB170215
56-55-3	Benzo(a)anthracene	350	U	1	47.9	350	ug/Kg	10/27/25 16:33	PB170215
218-01-9	Chrysene	350	U	1	41.4	350	ug/Kg	10/27/25 16:33	PB170215
117-81-7	Bis(2-ethylhexyl)phthalate	350	U	1	120	350	ug/Kg	10/27/25 16:33	PB170215
117-84-0	Di-n-octyl phthalate	690	U	1	180	690	ug/Kg	10/27/25 16:33	PB170215
205-99-2	Benzo(b)fluoranthene	350	U	1	39.5	350	ug/Kg	10/27/25 16:33	PB170215
207-08-9	Benzo(k)fluoranthene	350	U	1	46.6	350	ug/Kg	10/27/25 16:33	PB170215
50-32-8	Benzo(a)pyrene	350	U	1	61.4	350	ug/Kg	10/27/25 16:33	PB170215
193-39-5	Indeno(1,2,3-cd)pyrene	350	U	1	60.6	350	ug/Kg	10/27/25 16:33	PB170215
53-70-3	Dibenzo(a,h)anthracene	350	U	1	57.0	350	ug/Kg	10/27/25 16:33	PB170215
191-24-2	Benzo(g,h,i)perylene	350	U	1	53.5	350	ug/Kg	10/27/25 16:33	PB170215
95-94-3	1,2,4,5-Tetrachlorobenzene	350	U	1	53.3	350	ug/Kg	10/27/25 16:33	PB170215
123-91-1	1,4-Dioxane	350	U	1	94.1	350	ug/Kg	10/27/25 16:33	PB170215
58-90-2	2,3,4,6-Tetrachlorophenol	350	U	1	57.0	350	ug/Kg	10/27/25 16:33	PB170215
SURROGATES									
367-12-4	2-Fluorophenol	91.4			18 - 112	61%	SPK: 150		
13127-88-3	Phenol-d6	94.0			15 - 107	63%	SPK: 150		
4165-60-0	Nitrobenzene-d5	61.4			18 - 107	61%	SPK: 100		
321-60-8	2-Fluorobiphenyl	55.7			20 - 109	56%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	82.7			10 - 116	55%	SPK: 150		
1718-51-0	Terphenyl-d14	45.0			10 - 105	45%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	49200							
1146-65-2	Naphthalene-d8	183000							
15067-26-2	Acenaphthene-d10	93900							
1517-22-2	Phenanthrene-d10	147000							
1719-03-5	Chrysene-d12	133000							
1520-96-3	Perylene-d12	167000							
TENTATIVE IDENTIFIED COMPOUNDS									
000119-61-9	Benzophenone	310	J			10.6	ug/Kg		

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Report of Analysis

Client:	AECOM	Date Collected:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/17/25
Client Sample ID:	PR132-S07-000102-22510170	SDG No.:	Q3395
Lab Sample ID:	Q3395-02	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	47.9
Sample Wt/Vol:	30.09 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:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/17/25
Client Sample ID:	PR132-S07-102116-20251017	SDG No.:	Q3395
Lab Sample ID:	Q3395-05	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	51.4
Sample Wt/Vol:	30.02 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	10/28/25 23:10	PB170215
108-95-2	Phenol	330	U	1	43.0	330	ug/Kg	10/28/25 23:10	PB170215
111-44-4	bis(2-Chloroethyl)ether	330	U	1	47.2	330	ug/Kg	10/28/25 23:10	PB170215
95-57-8	2-Chlorophenol	330	U	1	47.4	330	ug/Kg	10/28/25 23:10	PB170215
95-48-7	2-Methylphenol	330	U	1	58.1	330	ug/Kg	10/28/25 23:10	PB170215
108-60-1	2,2-oxybis(1-Chloropropane)	330	U	1	72.9	330	ug/Kg	10/28/25 23:10	PB170215
98-86-2	Acetophenone	330	U	1	57.4	330	ug/Kg	10/28/25 23:10	PB170215
65794-96-9	3+4-Methylphenols	640	U	1	79.9	640	ug/Kg	10/28/25 23:10	PB170215
621-64-7	n-Nitroso-di-n-propylamine	160	U	1	92.2	160	ug/Kg	10/28/25 23:10	PB170215
67-72-1	Hexachloroethane	330	U	1	34.2	330	ug/Kg	10/28/25 23:10	PB170215
98-95-3	Nitrobenzene	330	U	1	35.6	330	ug/Kg	10/28/25 23:10	PB170215
78-59-1	Isophorone	330	U	1	63.8	330	ug/Kg	10/28/25 23:10	PB170215
88-75-5	2-Nitrophenol	330	U	1	110	330	ug/Kg	10/28/25 23:10	PB170215
105-67-9	2,4-Dimethylphenol	330	U	1	130	330	ug/Kg	10/28/25 23:10	PB170215
111-91-1	bis(2-Chloroethoxy)methane	330	U	1	59.9	330	ug/Kg	10/28/25 23:10	PB170215
120-83-2	2,4-Dichlorophenol	330	U	1	55.0	330	ug/Kg	10/28/25 23:10	PB170215
91-20-3	Naphthalene	330	U	1	44.1	330	ug/Kg	10/28/25 23:10	PB170215
106-47-8	4-Chloroaniline	330	U	1	68.8	330	ug/Kg	10/28/25 23:10	PB170215
87-68-3	Hexachlorobutadiene	330	U	1	49.2	330	ug/Kg	10/28/25 23:10	PB170215
105-60-2	Caprolactam	640	U	1	100	640	ug/Kg	10/28/25 23:10	PB170215
59-50-7	4-Chloro-3-methylphenol	330	U	1	55.8	330	ug/Kg	10/28/25 23:10	PB170215
91-57-6	2-Methylnaphthalene	330	U	1	49.8	330	ug/Kg	10/28/25 23:10	PB170215
77-47-4	Hexachlorocyclopentadiene	640	U	1	230	640	ug/Kg	10/28/25 23:10	PB170215
88-06-2	2,4,6-Trichlorophenol	330	U	1	38.5	330	ug/Kg	10/28/25 23:10	PB170215
95-95-4	2,4,5-Trichlorophenol	330	U	1	56.6	330	ug/Kg	10/28/25 23:10	PB170215
92-52-4	1,1-Biphenyl	330	U	1	42.4	330	ug/Kg	10/28/25 23:10	PB170215
91-58-7	2-Chloronaphthalene	330	U	1	43.7	330	ug/Kg	10/28/25 23:10	PB170215
88-74-4	2-Nitroaniline	330	U	1	93.5	330	ug/Kg	10/28/25 23:10	PB170215
131-11-3	Dimethylphthalate	330	U	1	52.7	330	ug/Kg	10/28/25 23:10	PB170215
208-96-8	Acenaphthylene	330	U	1	56.2	330	ug/Kg	10/28/25 23:10	PB170215
606-20-2	2,6-Dinitrotoluene	330	U	1	65.3	330	ug/Kg	10/28/25 23:10	PB170215
99-09-2	3-Nitroaniline	330	U	1	89.4	330	ug/Kg	10/28/25 23:10	PB170215
83-32-9	Acenaphthene	330	U	1	41.4	330	ug/Kg	10/28/25 23:10	PB170215
51-28-5	2,4-Dinitrophenol	640	U	1	450	640	ug/Kg	10/28/25 23:10	PB170215
100-02-7	4-Nitrophenol	640	U	1	210	640	ug/Kg	10/28/25 23:10	PB170215
132-64-9	Dibenzofuran	330	U	1	44.1	330	ug/Kg	10/28/25 23:10	PB170215
121-14-2	2,4-Dinitrotoluene	330	U	1	97.4	330	ug/Kg	10/28/25 23:10	PB170215
84-66-2	Diethylphthalate	330	U	1	55.0	330	ug/Kg	10/28/25 23:10	PB170215
7005-72-3	4-Chlorophenyl-phenylether	330	U	1	51.9	330	ug/Kg	10/28/25 23:10	PB170215
86-73-7	Fluorene	330	U	1	49.2	330	ug/Kg	10/28/25 23:10	PB170215
100-01-6	4-Nitroaniline	330	U	1	120	330	ug/Kg	10/28/25 23:10	PB170215
534-52-1	4,6-Dinitro-2-methylphenol	640	U	1	200	640	ug/Kg	10/28/25 23:10	PB170215

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Report of Analysis

Client:	AECOM	Date Collected:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/17/25
Client Sample ID:	PR132-S07-102116-20251017	SDG No.:	Q3395
Lab Sample ID:	Q3395-05	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	51.4
Sample Wt/Vol:	30.02 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	64.0	330	ug/Kg	10/28/25 23:10	PB170215
101-55-3	4-Bromophenyl-phenylether	330	U	1	54.0	330	ug/Kg	10/28/25 23:10	PB170215
118-74-1	Hexachlorobenzene	330	U	1	49.2	330	ug/Kg	10/28/25 23:10	PB170215
1912-24-9	Atrazine	330	U	1	66.1	330	ug/Kg	10/28/25 23:10	PB170215
87-86-5	Pentachlorophenol	640	U	1	99.7	640	ug/Kg	10/28/25 23:10	PB170215
85-01-8	Phenanthrene	330	U	1	40.6	330	ug/Kg	10/28/25 23:10	PB170215
120-12-7	Anthracene	330	U	1	64.7	330	ug/Kg	10/28/25 23:10	PB170215
86-74-8	Carbazole	330	U	1	60.7	330	ug/Kg	10/28/25 23:10	PB170215
84-74-2	Di-n-butylphthalate	330	U	1	93.1	330	ug/Kg	10/28/25 23:10	PB170215
206-44-0	Fluoranthene	330	U	1	58.3	330	ug/Kg	10/28/25 23:10	PB170215
129-00-0	Pyrene	330	U	1	70.0	330	ug/Kg	10/28/25 23:10	PB170215
85-68-7	Butylbenzylphthalate	330	U	1	140	330	ug/Kg	10/28/25 23:10	PB170215
91-94-1	3,3-Dichlorobenzidine	640	U	1	71.4	640	ug/Kg	10/28/25 23:10	PB170215
56-55-3	Benzo(a)anthracene	330	U	1	44.7	330	ug/Kg	10/28/25 23:10	PB170215
218-01-9	Chrysene	330	U	1	38.7	330	ug/Kg	10/28/25 23:10	PB170215
117-81-7	Bis(2-ethylhexyl)phthalate	330	U	1	120	330	ug/Kg	10/28/25 23:10	PB170215
117-84-0	Di-n-octyl phthalate	640	U	1	170	640	ug/Kg	10/28/25 23:10	PB170215
205-99-2	Benzo(b)fluoranthene	330	U	1	36.9	330	ug/Kg	10/28/25 23:10	PB170215
207-08-9	Benzo(k)fluoranthene	330	U	1	43.6	330	ug/Kg	10/28/25 23:10	PB170215
50-32-8	Benzo(a)pyrene	330	U	1	57.4	330	ug/Kg	10/28/25 23:10	PB170215
193-39-5	Indeno(1,2,3-cd)pyrene	330	U	1	56.6	330	ug/Kg	10/28/25 23:10	PB170215
53-70-3	Dibenzo(a,h)anthracene	330	U	1	53.3	330	ug/Kg	10/28/25 23:10	PB170215
191-24-2	Benzo(g,h,i)perylene	330	U	1	50.0	330	ug/Kg	10/28/25 23:10	PB170215
95-94-3	1,2,4,5-Tetrachlorobenzene	330	U	1	49.8	330	ug/Kg	10/28/25 23:10	PB170215
123-91-1	1,4-Dioxane	330	U	1	87.9	330	ug/Kg	10/28/25 23:10	PB170215
58-90-2	2,3,4,6-Tetrachlorophenol	330	U	1	53.3	330	ug/Kg	10/28/25 23:10	PB170215
SURROGATES									
367-12-4	2-Fluorophenol	123			18 - 112	82%	SPK: 150		
13127-88-3	Phenol-d6	129			15 - 107	86%	SPK: 150		
4165-60-0	Nitrobenzene-d5	83.9			18 - 107	84%	SPK: 100		
321-60-8	2-Fluorobiphenyl	73.7			20 - 109	74%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	127			10 - 116	85%	SPK: 150		
1718-51-0	Terphenyl-d14	74.0			10 - 105	74%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	66500							
1146-65-2	Naphthalene-d8	257000							
15067-26-2	Acenaphthene-d10	143000							
1517-22-2	Phenanthrene-d10	227000							
1719-03-5	Chrysene-d12	151000							
1520-96-3	Perylene-d12	187000							
TENTATIVE IDENTIFIED COMPOUNDS									
074645-98-0	Dodecane, 2,7,10-trimethyl-	130	J			9.18	ug/Kg		
000119-61-9	Benzophenone	830	J			10.6	ug/Kg		

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Report of Analysis

Client:	AECOM	Date Collected:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/17/25
Client Sample ID:	PR132-S07-102116-20251017	SDG No.:	Q3395
Lab Sample ID:	Q3395-05	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	51.4
Sample Wt/Vol:	30.02 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
001921-70-6	Pentadecane, 2,6,10,14-tetramethyl	270	J			10.8	ug/Kg		
000629-50-5	Tridecane	170	J			11.3	ug/Kg		
000057-10-3	n-Hexadecanoic acid	440	J			11.9	ug/Kg		
000630-01-3	Hexacosane	210	J			15.2	ug/Kg		
000630-02-4	Octacosane	650	J			16.0	ug/Kg		
000629-99-2	Pentacosane	920	J			16.5	ug/Kg		
001560-92-5	Hexadecane, 2-methyl-	1200	J			17.1	ug/Kg		
001560-98-1	Octacosane, 2-methyl-	1100	J			17.8	ug/Kg		
1000406-32-4	Dotriacontane, 1-iodo-	1300	J			18.7	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:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/17/25
Client Sample ID:	PR132-COMP03-2025-20251017	SDG No.:	Q3395
Lab Sample ID:	Q3395-06	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	69.8
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	470	U	1	220	470	ug/Kg	10/28/25 22:11	PB170215
108-95-2	Phenol	240	U	1	31.6	240	ug/Kg	10/28/25 22:11	PB170215
111-44-4	bis(2-Chloroethyl)ether	240	U	1	34.8	240	ug/Kg	10/28/25 22:11	PB170215
95-57-8	2-Chlorophenol	240	U	1	34.9	240	ug/Kg	10/28/25 22:11	PB170215
95-48-7	2-Methylphenol	240	U	1	42.8	240	ug/Kg	10/28/25 22:11	PB170215
108-60-1	2,2-oxybis(1-Chloropropane)	240	U	1	53.6	240	ug/Kg	10/28/25 22:11	PB170215
98-86-2	Acetophenone	240	U	1	42.2	240	ug/Kg	10/28/25 22:11	PB170215
65794-96-9	3+4-Methylphenols	470	U	1	58.8	470	ug/Kg	10/28/25 22:11	PB170215
621-64-7	n-Nitroso-di-n-propylamine	110	U	1	67.8	110	ug/Kg	10/28/25 22:11	PB170215
67-72-1	Hexachloroethane	240	U	1	25.2	240	ug/Kg	10/28/25 22:11	PB170215
98-95-3	Nitrobenzene	240	U	1	26.2	240	ug/Kg	10/28/25 22:11	PB170215
78-59-1	Isophorone	240	U	1	46.9	240	ug/Kg	10/28/25 22:11	PB170215
88-75-5	2-Nitrophenol	240	U	1	83.2	240	ug/Kg	10/28/25 22:11	PB170215
105-67-9	2,4-Dimethylphenol	240	U	1	92.7	240	ug/Kg	10/28/25 22:11	PB170215
111-91-1	bis(2-Chloroethoxy)methane	240	U	1	44.1	240	ug/Kg	10/28/25 22:11	PB170215
120-83-2	2,4-Dichlorophenol	240	U	1	40.5	240	ug/Kg	10/28/25 22:11	PB170215
91-20-3	Naphthalene	240	U	1	32.5	240	ug/Kg	10/28/25 22:11	PB170215
106-47-8	4-Chloroaniline	240	U	1	50.6	240	ug/Kg	10/28/25 22:11	PB170215
87-68-3	Hexachlorobutadiene	240	U	1	36.2	240	ug/Kg	10/28/25 22:11	PB170215
105-60-2	Caprolactam	470	U	1	74.5	470	ug/Kg	10/28/25 22:11	PB170215
59-50-7	4-Chloro-3-methylphenol	240	U	1	41.0	240	ug/Kg	10/28/25 22:11	PB170215
91-57-6	2-Methylnaphthalene	240	U	1	36.6	240	ug/Kg	10/28/25 22:11	PB170215
77-47-4	Hexachlorocyclopentadiene	470	U	1	170	470	ug/Kg	10/28/25 22:11	PB170215
88-06-2	2,4,6-Trichlorophenol	240	U	1	28.3	240	ug/Kg	10/28/25 22:11	PB170215
95-95-4	2,4,5-Trichlorophenol	240	U	1	41.6	240	ug/Kg	10/28/25 22:11	PB170215
92-52-4	1,1-Biphenyl	240	U	1	31.2	240	ug/Kg	10/28/25 22:11	PB170215
91-58-7	2-Chloronaphthalene	240	U	1	32.2	240	ug/Kg	10/28/25 22:11	PB170215
88-74-4	2-Nitroaniline	240	U	1	68.8	240	ug/Kg	10/28/25 22:11	PB170215
131-11-3	Dimethylphthalate	240	U	1	38.8	240	ug/Kg	10/28/25 22:11	PB170215
208-96-8	Acenaphthylene	240	U	1	41.3	240	ug/Kg	10/28/25 22:11	PB170215
606-20-2	2,6-Dinitrotoluene	240	U	1	48.1	240	ug/Kg	10/28/25 22:11	PB170215
99-09-2	3-Nitroaniline	240	U	1	65.8	240	ug/Kg	10/28/25 22:11	PB170215
83-32-9	Acenaphthene	240	U	1	30.5	240	ug/Kg	10/28/25 22:11	PB170215
51-28-5	2,4-Dinitrophenol	470	U	1	330	470	ug/Kg	10/28/25 22:11	PB170215
100-02-7	4-Nitrophenol	470	U	1	150	470	ug/Kg	10/28/25 22:11	PB170215
132-64-9	Dibenzofuran	240	U	1	32.5	240	ug/Kg	10/28/25 22:11	PB170215
121-14-2	2,4-Dinitrotoluene	240	U	1	71.7	240	ug/Kg	10/28/25 22:11	PB170215
84-66-2	Diethylphthalate	240	U	1	40.5	240	ug/Kg	10/28/25 22:11	PB170215
7005-72-3	4-Chlorophenyl-phenylether	240	U	1	38.2	240	ug/Kg	10/28/25 22:11	PB170215
86-73-7	Fluorene	240	U	1	36.2	240	ug/Kg	10/28/25 22:11	PB170215
100-01-6	4-Nitroaniline	240	U	1	91.8	240	ug/Kg	10/28/25 22:11	PB170215
534-52-1	4,6-Dinitro-2-methylphenol	470	U	1	150	470	ug/Kg	10/28/25 22:11	PB170215

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Report of Analysis

Client:	AECOM	Date Collected:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/17/25
Client Sample ID:	PR132-COMP03-2025-20251017	SDG No.:	Q3395
Lab Sample ID:	Q3395-06	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	69.8
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	240	U	1	47.1	240	ug/Kg	10/28/25 22:11	PB170215
101-55-3	4-Bromophenyl-phenylether	240	U	1	39.8	240	ug/Kg	10/28/25 22:11	PB170215
118-74-1	Hexachlorobenzene	240	U	1	36.2	240	ug/Kg	10/28/25 22:11	PB170215
1912-24-9	Atrazine	240	U	1	48.6	240	ug/Kg	10/28/25 22:11	PB170215
87-86-5	Pentachlorophenol	470	U	1	73.4	470	ug/Kg	10/28/25 22:11	PB170215
85-01-8	Phenanthrene	240	U	1	29.9	240	ug/Kg	10/28/25 22:11	PB170215
120-12-7	Anthracene	240	U	1	47.6	240	ug/Kg	10/28/25 22:11	PB170215
86-74-8	Carbazole	240	U	1	44.6	240	ug/Kg	10/28/25 22:11	PB170215
84-74-2	Di-n-butylphthalate	240	U	1	68.5	240	ug/Kg	10/28/25 22:11	PB170215
206-44-0	Fluoranthene	240	U	1	42.9	240	ug/Kg	10/28/25 22:11	PB170215
129-00-0	Pyrene	240	U	1	51.5	240	ug/Kg	10/28/25 22:11	PB170215
85-68-7	Butylbenzylphthalate	240	U	1	100	240	ug/Kg	10/28/25 22:11	PB170215
91-94-1	3,3-Dichlorobenzidine	470	U	1	52.5	470	ug/Kg	10/28/25 22:11	PB170215
56-55-3	Benzo(a)anthracene	240	U	1	32.9	240	ug/Kg	10/28/25 22:11	PB170215
218-01-9	Chrysene	240	U	1	28.5	240	ug/Kg	10/28/25 22:11	PB170215
117-81-7	Bis(2-ethylhexyl)phthalate	240	U	1	84.7	240	ug/Kg	10/28/25 22:11	PB170215
117-84-0	Di-n-octyl phthalate	470	U	1	120	470	ug/Kg	10/28/25 22:11	PB170215
205-99-2	Benzo(b)fluoranthene	240	U	1	27.2	240	ug/Kg	10/28/25 22:11	PB170215
207-08-9	Benzo(k)fluoranthene	240	U	1	32.0	240	ug/Kg	10/28/25 22:11	PB170215
50-32-8	Benzo(a)pyrene	240	U	1	42.2	240	ug/Kg	10/28/25 22:11	PB170215
193-39-5	Indeno(1,2,3-cd)pyrene	240	U	1	41.6	240	ug/Kg	10/28/25 22:11	PB170215
53-70-3	Dibenzo(a,h)anthracene	240	U	1	39.2	240	ug/Kg	10/28/25 22:11	PB170215
191-24-2	Benzo(g,h,i)perylene	240	U	1	36.8	240	ug/Kg	10/28/25 22:11	PB170215
95-94-3	1,2,4,5-Tetrachlorobenzene	240	U	1	36.6	240	ug/Kg	10/28/25 22:11	PB170215
123-91-1	1,4-Dioxane	240	U	1	64.6	240	ug/Kg	10/28/25 22:11	PB170215
58-90-2	2,3,4,6-Tetrachlorophenol	240	U	1	39.2	240	ug/Kg	10/28/25 22:11	PB170215
SURROGATES									
367-12-4	2-Fluorophenol	63.5			18 - 112	42%	SPK: 150		
13127-88-3	Phenol-d6	68.4			15 - 107	46%	SPK: 150		
4165-60-0	Nitrobenzene-d5	40.4			18 - 107	40%	SPK: 100		
321-60-8	2-Fluorobiphenyl	36.5			20 - 109	37%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	65.8			10 - 116	44%	SPK: 150		
1718-51-0	Terphenyl-d14	48.8			10 - 105	49%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	67000							
1146-65-2	Naphthalene-d8	263000							
15067-26-2	Acenaphthene-d10	152000							
1517-22-2	Phenanthrene-d10	259000							
1719-03-5	Chrysene-d12	133000							
1520-96-3	Perylene-d12	181000							
TENTATIVE IDENTIFIED COMPOUNDS									
000119-61-9	Benzophenone	170	J			10.6	ug/Kg		

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Report of Analysis

Client:	AECOM	Date Collected:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/17/25
Client Sample ID:	PR132-COMP03-2025-20251017	SDG No.:	Q3395
Lab Sample ID:	Q3395-06	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	69.8
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

QC SUMMARY

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Surrogate Summary

SW-846

SDG No.: Q3395

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
Q3395-01	PR132-S09-000051-20251017	2-Fluorophenol	150	77.9	52		18	112
		Phenol-d6	150	84.0	56		15	107
		Nitrobenzene-d5	100	51.0	51		18	107
		2-Fluorobiphenyl	100	45.5	45		20	109
		2,4,6-Tribromophenol	150	86.6	58		10	116
		Terphenyl-d14	100	56.4	56		10	105
Q3395-02	PR132-S07-000102-22510170	2-Fluorophenol	150	91.4	61		18	112
		Phenol-d6	150	94.0	63		15	107
		Nitrobenzene-d5	100	61.4	61		18	107
		2-Fluorobiphenyl	100	55.7	56		20	109
		2,4,6-Tribromophenol	150	82.7	55		10	116
		Terphenyl-d14	100	45.0	45		10	105
Q3395-03MS	PR132-S07-000102-22510170MS	2-Fluorophenol	150	29.3	20		18	112
		Phenol-d6	150	42.6	28		15	107
		Nitrobenzene-d5	100	41.6	42		18	107
		2-Fluorobiphenyl	100	40.6	41		20	109
		2,4,6-Tribromophenol	150	82.9	55		10	116
		Terphenyl-d14	100	51.9	52		10	105
Q3395-04MSD	PR132-S07-000102-22510170MSD	2-Fluorophenol	150	27.7	18		18	112
		Phenol-d6	150	40.8	27		15	107
		Nitrobenzene-d5	100	41.7	42		18	107
		2-Fluorobiphenyl	100	41.1	41		20	109
		2,4,6-Tribromophenol	150	78.6	52		10	116
		Terphenyl-d14	100	48.6	49		10	105
Q3395-05	PR132-S07-102116-20251017	2-Fluorophenol	150	123	82		18	112
		Phenol-d6	150	129	86		15	107
		Nitrobenzene-d5	100	83.9	84		18	107
		2-Fluorobiphenyl	100	73.7	74		20	109
		2,4,6-Tribromophenol	150	127	85		10	116
		Terphenyl-d14	100	74.0	74		10	105
Q3395-06	PR132-COMP03-2025-20251017	2-Fluorophenol	150	63.5	42		18	112
		Phenol-d6	150	68.4	46		15	107
		Nitrobenzene-d5	100	40.4	40		18	107
		2-Fluorobiphenyl	100	36.5	37		20	109
		2,4,6-Tribromophenol	150	65.8	44		10	116
		Terphenyl-d14	100	48.8	49		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

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Surrogate Summary

SW-846

SDG No.: Q3395

Client: AECOM

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q3419-02MS	PR-132-S16-015094-20251021MS	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

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3395 **Analytical Method:** SW8270E

Client: AECOM **DataFile:** BF144087.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q3395-03MS		**Client Sample ID: PR132-S07-000102-22510170MS**									
Benzaldehyde	3500	0	1200	ug/Kg	34				10	171	
Phenol	3500	0	1800	ug/Kg	51				51	122	
bis(2-Chloroethyl)ether	3500	0	2500	ug/Kg	71				54	125	
2-Chlorophenol	3500	0	2400	ug/Kg	69				51	121	
2-Methylphenol	3500	0	2600	ug/Kg	74				47	125	
2,2-oxybis(1-Chloropropane)	3500	0	2800	ug/Kg	80				46	119	
Acetophenone	3500	0	2900	ug/Kg	83				55	128	
3+4-Methylphenols	3500	0	2700	ug/Kg	77				49	125	
N-Nitroso-di-n-propylamine	3500	0	3000	ug/Kg	86				59	119	
Hexachloroethane	3500	0	2700	ug/Kg	77				51	116	
Nitrobenzene	3500	0	2500	ug/Kg	71				47	124	
Isophorone	3500	0	2900	ug/Kg	83				49	127	
2-Nitrophenol	3500	0	2800	ug/Kg	80				43	131	
2,4-Dimethylphenol	3500	0	3100	ug/Kg	89				63	151	
bis(2-Chloroethoxy)methane	3500	0	2800	ug/Kg	80				51	119	
2,4-Dichlorophenol	3500	0	2800	ug/Kg	80				50	122	
Naphthalene	3500	0	2700	ug/Kg	77				51	121	
4-Chloroaniline	3500	0	3200	ug/Kg	91				10	100	
Hexachlorobutadiene	3500	0	2600	ug/Kg	74				44	126	
Caprolactam	3500	0	3700	ug/Kg	106				51	134	
4-Chloro-3-methylphenol	3500	0	3200	ug/Kg	91				57	132	
2-Methylnaphthalene	3500	0	2700	ug/Kg	77				59	123	
Hexachlorocyclopentadiene	6900	0	6000	ug/Kg	87				10	175	
2,4,6-Trichlorophenol	3500	0	3000	ug/Kg	86				33	141	
2,4,5-Trichlorophenol	3500	0	3000	ug/Kg	86				38	135	
1,1-Biphenyl	3500	0	3100	ug/Kg	89				55	131	
2-Chloronaphthalene	3500	0	2800	ug/Kg	80				48	124	
2-Nitroaniline	3500	0	3300	ug/Kg	94				47	134	
Dimethylphthalate	3500	0	3200	ug/Kg	91				54	120	
Acenaphthylene	3500	0	3200	ug/Kg	91				57	125	
2,6-Dinitrotoluene	3500	0	3400	ug/Kg	97				48	127	
3-Nitroaniline	3500	0	3500	ug/Kg	100				10	112	
Acenaphthene	3500	0	3100	ug/Kg	89				70	121	
2,4-Dinitrophenol	6900	0	4900	ug/Kg	71				10	155	
4-Nitrophenol	6900	0	6600	ug/Kg	96				10	175	
Dibenzofuran	3500	0	3000	ug/Kg	86				52	114	
2,4-Dinitrotoluene	3500	0	3700	ug/Kg	106				41	140	
Diethylphthalate	3500	0	3400	ug/Kg	97				51	119	
4-Chlorophenyl-phenylether	3500	0	3100	ug/Kg	89				48	122	
Fluorene	3500	0	3200	ug/Kg	91				53	118	
4-Nitroaniline	3500	0	3500	ug/Kg	100				29	140	
4,6-Dinitro-2-methylphenol	3500	0	2700	ug/Kg	77				10	160	
N-Nitrosodiphenylamine	3500	0	3200	ug/Kg	91				73	118	
4-Bromophenyl-phenylether	3500	0	3100	ug/Kg	89				65	121	
Hexachlorobenzene	3500	0	3200	ug/Kg	91				67	118	
Atrazine	3500	0	3500	ug/Kg	100				45	175	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3395 **Analytical Method:** SW8270E

Client: AECOM **DataFile:** BF144087.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	6900	0	6700	ug/Kg	97				13	153	
Phenanthrene	3500	190	3300	ug/Kg	89				52	128	
Anthracene	3500	0	3200	ug/Kg	91				62	124	
Carbazole	3500	0	3200	ug/Kg	91				59	119	
Di-n-butylphthalate	3500	0	3300	ug/Kg	94				55	125	
Fluoranthene	3500	180	3100	ug/Kg	83				44	125	
Pyrene	3500	0	3600	ug/Kg	103				37	122	
Butylbenzylphthalate	3500	0	3600	ug/Kg	103				44	135	
3,3-Dichlorobenzidine	3500	0	3600	ug/Kg	103				15	112	
Benzo(a)anthracene	3500	0	3500	ug/Kg	100				53	119	
Chrysene	3500	0	3400	ug/Kg	97				57	121	
bis(2-Ethylhexyl)phthalate	3500	0	3400	ug/Kg	97				42	169	
Di-n-octyl phthalate	3500	0	3400	ug/Kg	97				51	156	
Benzo(b)fluoranthene	3500	0	3300	ug/Kg	94				52	117	
Benzo(k)fluoranthene	3500	0	3700	ug/Kg	106				57	134	
Benzo(a)pyrene	3500	0	3700	ug/Kg	106				70	142	
Indeno(1,2,3-cd)pyrene	3500	0	2700	ug/Kg	77				40	129	
Dibenz(a,h)anthracene	3500	0	2800	ug/Kg	80				43	123	
Benzo(g,h,i)perylene	3500	0	2600	ug/Kg	74				24	125	
1,2,4,5-Tetrachlorobenzene	3500	0	2900	ug/Kg	83				52	134	
1,4-Dioxane	3500	0	0	ug/Kg	0	*			46	112	
2,3,4,6-Tetrachlorophenol	3500	0	3700	ug/Kg	106				24	146	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3395 **Analytical Method:** SW8270E

Client: AECOM **DataFile:** BF144088.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q3395-04MSD		**Client Sample ID: PR132-S07-000102-22510170MSD**									
Benzaldehyde	3500	0	1200	ug/Kg	34		0		10	171	20
Phenol	3500	0	1700	ug/Kg	49	*	4		51	122	20
bis(2-Chloroethyl)ether	3500	0	2400	ug/Kg	69		3		54	125	20
2-Chlorophenol	3500	0	2300	ug/Kg	66		4		51	121	20
2-Methylphenol	3500	0	2400	ug/Kg	69		7		47	125	20
2,2-oxybis(1-Chloropropane)	3500	0	2700	ug/Kg	77		4		46	119	20
Acetophenone	3500	0	2900	ug/Kg	83		0		55	128	20
3+4-Methylphenols	3500	0	2500	ug/Kg	71		8		49	125	20
N-Nitroso-di-n-propylamine	3500	0	2700	ug/Kg	77		11		59	119	20
Hexachloroethane	3500	0	2500	ug/Kg	71		8		51	116	20
Nitrobenzene	3500	0	2600	ug/Kg	74		4		47	124	20
Isophorone	3500	0	2800	ug/Kg	80		4		49	127	20
2-Nitrophenol	3500	0	2700	ug/Kg	77		4		43	131	20
2,4-Dimethylphenol	3500	0	3100	ug/Kg	89		0		63	151	20
bis(2-Chloroethoxy)methane	3500	0	2900	ug/Kg	83		4		51	119	20
2,4-Dichlorophenol	3500	0	2800	ug/Kg	80		0		50	122	20
Naphthalene	3500	0	2800	ug/Kg	80		4		51	121	20
4-Chloroaniline	3500	0	3300	ug/Kg	94		3		10	100	20
Hexachlorobutadiene	3500	0	2600	ug/Kg	74		0		44	126	20
Caprolactam	3500	0	3900	ug/Kg	111		5		51	134	20
4-Chloro-3-methylphenol	3500	0	3200	ug/Kg	91		0		57	132	20
2-Methylnaphthalene	3500	0	2700	ug/Kg	77		0		59	123	20
Hexachlorocyclopentadiene	6900	0	5900	ug/Kg	86		1		10	175	20
2,4,6-Trichlorophenol	3500	0	2900	ug/Kg	83		4		33	141	20
2,4,5-Trichlorophenol	3500	0	2900	ug/Kg	83		4		38	135	20
1,1-Biphenyl	3500	0	3000	ug/Kg	86		3		55	131	20
2-Chloronaphthalene	3500	0	2800	ug/Kg	80		0		48	124	20
2-Nitroaniline	3500	0	3200	ug/Kg	91		3		47	134	20
Dimethylphthalate	3500	0	3300	ug/Kg	94		3		54	120	20
Acenaphthylene	3500	0	3300	ug/Kg	94		3		57	125	20
2,6-Dinitrotoluene	3500	0	3400	ug/Kg	97		0		48	127	20
3-Nitroaniline	3500	0	3500	ug/Kg	100		0		10	112	20
Acenaphthene	3500	0	3000	ug/Kg	86		3		70	121	20
2,4-Dinitrophenol	6900	0	4500	ug/Kg	65		9		10	155	20
4-Nitrophenol	6900	0	6300	ug/Kg	91		5		10	175	20
Dibenzofuran	3500	0	3100	ug/Kg	89		3		52	114	20
2,4-Dinitrotoluene	3500	0	3600	ug/Kg	103		3		41	140	20
Diethylphthalate	3500	0	3300	ug/Kg	94		3		51	119	20
4-Chlorophenyl-phenylether	3500	0	3000	ug/Kg	86		3		48	122	20
Fluorene	3500	0	3200	ug/Kg	91		0		53	118	20
4-Nitroaniline	3500	0	3400	ug/Kg	97		3		29	140	20
4,6-Dinitro-2-methylphenol	3500	0	2700	ug/Kg	77		0		10	160	20
N-Nitrosodiphenylamine	3500	0	3300	ug/Kg	94		3		73	118	20
4-Bromophenyl-phenylether	3500	0	3000	ug/Kg	86		3		65	121	20
Hexachlorobenzene	3500	0	3100	ug/Kg	89		2		67	118	20
Atrazine	3500	0	3500	ug/Kg	100		0		45	175	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3395 **Analytical Method:** SW8270E

Client: AECOM **DataFile:** BF144088.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	6900	0	6400	ug/Kg	93		4		13	153	20
Phenanthrene	3500	190	3300	ug/Kg	89		0		52	128	20
Anthracene	3500	0	3200	ug/Kg	91		0		62	124	20
Carbazole	3500	0	3100	ug/Kg	89		2		59	119	20
Di-n-butylphthalate	3500	0	3200	ug/Kg	91		3		55	125	20
Fluoranthene	3500	180	2900	ug/Kg	78		6		44	125	20
Pyrene	3500	0	3400	ug/Kg	97		6		37	122	20
Butylbenzylphthalate	3500	0	3300	ug/Kg	94		9		44	135	20
3,3-Dichlorobenzidine	3500	0	3700	ug/Kg	106		3		15	112	20
Benzo(a)anthracene	3500	0	3400	ug/Kg	97		3		53	119	20
Chrysene	3500	0	3300	ug/Kg	94		3		57	121	20
bis(2-Ethylhexyl)phthalate	3500	0	3200	ug/Kg	91		6		42	169	20
Di-n-octyl phthalate	3500	0	3500	ug/Kg	100		3		51	156	20
Benzo(b)fluoranthene	3500	0	3300	ug/Kg	94		0		52	117	20
Benzo(k)fluoranthene	3500	0	3600	ug/Kg	103		3		57	134	20
Benzo(a)pyrene	3500	0	3600	ug/Kg	103		3		70	142	20
Indeno(1,2,3-cd)pyrene	3500	0	2700	ug/Kg	77		0		40	129	20
Dibenz(a,h)anthracene	3500	0	2700	ug/Kg	77		4		43	123	20
Benzo(g,h,i)perylene	3500	0	2400	ug/Kg	69		7		24	125	20
1,2,4,5-Tetrachlorobenzene	3500	0	2900	ug/Kg	83		0		52	134	20
1,4-Dioxane	3500	0	0	ug/Kg	0	*	0		46	112	20
2,3,4,6-Tetrachlorophenol	3500	0	3500	ug/Kg	100		6		24	146	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3395 **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.: Q3395 **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
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.: Q3395 **Analytical Method:** SW8270E

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

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits 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.: Q3395 **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.: Q3395 **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.: Q3395 **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.: Q3395

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-S16-015094-20251021MS	Q3419-02MS	BG064627.D	10/29/2025
PR-132-S16-015094-20251021MSD	Q3419-03MSD	BG064628.D	10/29/2025
PR132-S07-000102-22510170	Q3395-02	BF144086.D	10/27/2025
PR132-S07-000102-22510170MS	Q3395-03MS	BF144087.D	10/27/2025
PR132-S07-000102-22510170MSD	Q3395-04MSD	BF144088.D	10/27/2025
PR132-S09-000051-20251017	Q3395-01	BF144104.D	10/28/2025
PR132-COMP03-2025-20251017	Q3395-06	BF144115.D	10/28/2025
PR132-S07-102116-20251017	Q3395-05	BF144117.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.: Q3395

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.: Q3395

Lab File ID: BF144073.D DFTPP Injection Date: 10/27/2025

Instrument ID: BNA_F DFTPP Injection Time: 09:29

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.4 (1.9) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.1 (0.5) 1
197	Less than 2.0% of mass 198	0.5
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.2
365	Greater than 1% of mass 198	4.9
441	Present, but less than mass 443	80.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.7 (19.7) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF144074.D	10/27/2025	10:27
PR132-S07-000102-22510170	Q3395-02	BF144086.D	10/27/2025	16:33
PR132-S07-000102-22510170MS	Q3395-03MS	BF144087.D	10/27/2025	17:03
PR132-S07-000102-22510170MSD	Q3395-04MSD	BF144088.D	10/27/2025	17:33

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3395

Lab File ID: BF144096.D DFTPP Injection Date: 10/28/2025

Instrument ID: BNA_F DFTPP Injection Time: 12:48

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.4 (1.7) 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	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
365	Greater than 1% of mass 198	4.1
441	Present, but less than mass 443	88.4
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.5 (18.5) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF144097.D	10/28/2025	13:17
PR132-S09-000051-20251017	Q3395-01	BF144104.D	10/28/2025	16:44
PR132-COMP03-2025-20251017	Q3395-06	BF144115.D	10/28/2025	22:11
PR132-S07-102116-20251017	Q3395-05	BF144117.D	10/28/2025	23:10

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3395

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.: Q3395

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-S16-015094-20251021MS	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.: Q3395

Client ID : SSTDCCC040 Date Analyzed: 10/27/2025

Lab File ID: BF144074.D Time Analyzed: 10:27

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	54596	6.881	204208	8.16	113226	9.92
	UPPER LIMIT	109192	7.381	408416	8.663	226452	10.422
	LOWER LIMIT	27298	6.381	102104	7.663	56613	9.422
	EPA SAMPLE NO.						
01	PR132-S07-000102-22510170	49197	6.88	182564	8.16	93912	9.92
02	PR132-S07-000102-22510170MS	51657	6.88	204190	8.16	116963	9.92
03	PR132-S07-000102-22510170MSD	51273	6.88	192222	8.16	110360	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.: Q3395

Client ID: SSTDCCC040 Date Analyzed: 10/27/2025

Lab File ID: BF144074.D Time Analyzed: 10:27

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	184414	11.41	112717	14.057	164562	15.545
	UPPER LIMIT	368828	11.91	225434	14.557	329124	16.045
	LOWER LIMIT	92207	10.91	56358.5	13.557	82281	15.045
	EPA SAMPLE NO.						
01	PR132-S07-000102-22510170	147369	11.41	132745	14.06	166960	15.54
02	PR132-S07-000102-22510170M:	209682	11.41	136983	14.06	173026	15.55
03	PR132-S07-000102-22510170M:	190166	11.41	124342	14.06	167596	15.55

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

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

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3395

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

Lab File ID: BF144097.D Time Analyzed: 13:17

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	66521	6.881	250146	8.16	147935	9.92
	UPPER LIMIT	133042	7.381	500292	8.663	295870	10.416
	LOWER LIMIT	33260.5	6.381	125073	7.663	73967.5	9.416
	EPA SAMPLE NO.						
01	PR132-S07-102116-20251017	66498	6.88	257258	8.16	142753	9.92
02	PR132-COMP03-2025-20251017	67031	6.88	262787	8.16	151809	9.92
03	PR132-S09-000051-20251017	63386	6.88	253842	8.16	151776	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.: Q3395

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

Lab File ID: BF144097.D Time Analyzed: 13:17

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	264042	11.41	128248	14.057	169914	15.539
	UPPER LIMIT	528084	11.91	256496	14.557	339828	16.039
	LOWER LIMIT	132021	10.91	64124	13.557	84957	15.039
	EPA SAMPLE NO.						
01	PR132-S07-102116-20251017	227169	11.41	150686	14.05	186576	15.54
02	PR132-COMP03-2025-20251017	259227	11.40	133345	14.05	181271	15.53
03	PR132-S09-000051-20251017	266957	11.40	148535	14.05	172792	15.53

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.: Q3395

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-S16-015094-20251021MS	30488	8.22	121320	11.04	93614	14.84
04	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.: Q3395

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-S16-015094-20251021I	229619	17.58	271892	21.85	296767	25.19
04	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

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

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	PB170215BL	SDG No.:	Q3395
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.:	Q3395
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.:	Q3395
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.:	Q3395
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.:	Q3395
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.:	Q3395
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:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/17/25
Client Sample ID:	PR132-S07-000102-22510170MS	SDG No.:	Q3395
Lab Sample ID:	Q3395-03MS	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	47.9
Sample Wt/Vol:	30.08 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	1200		1	320	690	ug/Kg	10/27/25 17:03	PB170215
108-95-2	Phenol	1800		1	46.0	350	ug/Kg	10/27/25 17:03	PB170215
111-44-4	bis(2-Chloroethyl)ether	2500		1	50.6	350	ug/Kg	10/27/25 17:03	PB170215
95-57-8	2-Chlorophenol	2400		1	50.8	350	ug/Kg	10/27/25 17:03	PB170215
95-48-7	2-Methylphenol	2600		1	62.3	350	ug/Kg	10/27/25 17:03	PB170215
108-60-1	2,2-oxybis(1-Chloropropane)	2800		1	78.1	350	ug/Kg	10/27/25 17:03	PB170215
98-86-2	Acetophenone	2900		1	61.4	350	ug/Kg	10/27/25 17:03	PB170215
65794-96-9	3+4-Methylphenols	2700		1	85.6	690	ug/Kg	10/27/25 17:03	PB170215
621-64-7	n-Nitroso-di-n-propylamine	3000		1	98.7	170	ug/Kg	10/27/25 17:03	PB170215
67-72-1	Hexachloroethane	2700		1	36.6	350	ug/Kg	10/27/25 17:03	PB170215
98-95-3	Nitrobenzene	2500		1	38.1	350	ug/Kg	10/27/25 17:03	PB170215
78-59-1	Isophorone	2900		1	68.3	350	ug/Kg	10/27/25 17:03	PB170215
88-75-5	2-Nitrophenol	2800		1	120	350	ug/Kg	10/27/25 17:03	PB170215
105-67-9	2,4-Dimethylphenol	3100		1	130	350	ug/Kg	10/27/25 17:03	PB170215
111-91-1	bis(2-Chloroethoxy)methane	2800		1	64.1	350	ug/Kg	10/27/25 17:03	PB170215
120-83-2	2,4-Dichlorophenol	2800		1	58.9	350	ug/Kg	10/27/25 17:03	PB170215
91-20-3	Naphthalene	2700		1	47.3	350	ug/Kg	10/27/25 17:03	PB170215
106-47-8	4-Chloroaniline	3200		1	73.7	350	ug/Kg	10/27/25 17:03	PB170215
87-68-3	Hexachlorobutadiene	2600		1	52.7	350	ug/Kg	10/27/25 17:03	PB170215
105-60-2	Caprolactam	3700		1	110	690	ug/Kg	10/27/25 17:03	PB170215
59-50-7	4-Chloro-3-methylphenol	3200		1	59.8	350	ug/Kg	10/27/25 17:03	PB170215
91-57-6	2-Methylnaphthalene	2700		1	53.3	350	ug/Kg	10/27/25 17:03	PB170215
77-47-4	Hexachlorocyclopentadiene	6000	E	1	240	690	ug/Kg	10/27/25 17:03	PB170215
88-06-2	2,4,6-Trichlorophenol	3000		1	41.2	350	ug/Kg	10/27/25 17:03	PB170215
95-95-4	2,4,5-Trichlorophenol	3000		1	60.6	350	ug/Kg	10/27/25 17:03	PB170215
92-52-4	1,1-Biphenyl	3100		1	45.4	350	ug/Kg	10/27/25 17:03	PB170215
91-58-7	2-Chloronaphthalene	2800		1	46.8	350	ug/Kg	10/27/25 17:03	PB170215
88-74-4	2-Nitroaniline	3300		1	100	350	ug/Kg	10/27/25 17:03	PB170215
131-11-3	Dimethylphthalate	3200		1	56.4	350	ug/Kg	10/27/25 17:03	PB170215
208-96-8	Acenaphthylene	3200		1	60.2	350	ug/Kg	10/27/25 17:03	PB170215
606-20-2	2,6-Dinitrotoluene	3400		1	70.0	350	ug/Kg	10/27/25 17:03	PB170215
99-09-2	3-Nitroaniline	3500		1	95.8	350	ug/Kg	10/27/25 17:03	PB170215
83-32-9	Acenaphthene	3100		1	44.3	350	ug/Kg	10/27/25 17:03	PB170215
51-28-5	2,4-Dinitrophenol	4900		1	480	690	ug/Kg	10/27/25 17:03	PB170215
100-02-7	4-Nitrophenol	6600	E	1	220	690	ug/Kg	10/27/25 17:03	PB170215
132-64-9	Dibenzofuran	3000		1	47.3	350	ug/Kg	10/27/25 17:03	PB170215
121-14-2	2,4-Dinitrotoluene	3700		1	100	350	ug/Kg	10/27/25 17:03	PB170215
84-66-2	Diethylphthalate	3400		1	58.9	350	ug/Kg	10/27/25 17:03	PB170215
7005-72-3	4-Chlorophenyl-phenylether	3100		1	55.6	350	ug/Kg	10/27/25 17:03	PB170215
86-73-7	Fluorene	3200		1	52.7	350	ug/Kg	10/27/25 17:03	PB170215
100-01-6	4-Nitroaniline	3500		1	130	350	ug/Kg	10/27/25 17:03	PB170215
534-52-1	4,6-Dinitro-2-methylphenol	2700		1	210	690	ug/Kg	10/27/25 17:03	PB170215

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Report of Analysis

Client:	AECOM	Date Collected:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/17/25
Client Sample ID:	PR132-S07-000102-22510170MS	SDG No.:	Q3395
Lab Sample ID:	Q3395-03MS	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	47.9
Sample Wt/Vol:	30.08 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	3200		1	68.5	350	ug/Kg	10/27/25 17:03	PB170215
101-55-3	4-Bromophenyl-phenylether	3100		1	57.9	350	ug/Kg	10/27/25 17:03	PB170215
118-74-1	Hexachlorobenzene	3200		1	52.7	350	ug/Kg	10/27/25 17:03	PB170215
1912-24-9	Atrazine	3500		1	70.8	350	ug/Kg	10/27/25 17:03	PB170215
87-86-5	Pentachlorophenol	6700	E	1	110	690	ug/Kg	10/27/25 17:03	PB170215
85-01-8	Phenanthrene	3300		1	43.5	350	ug/Kg	10/27/25 17:03	PB170215
120-12-7	Anthracene	3200		1	69.3	350	ug/Kg	10/27/25 17:03	PB170215
86-74-8	Carbazole	3200		1	65.0	350	ug/Kg	10/27/25 17:03	PB170215
84-74-2	Di-n-butylphthalate	3300		1	99.7	350	ug/Kg	10/27/25 17:03	PB170215
206-44-0	Fluoranthene	3100		1	62.5	350	ug/Kg	10/27/25 17:03	PB170215
129-00-0	Pyrene	3600		1	75.0	350	ug/Kg	10/27/25 17:03	PB170215
85-68-7	Butylbenzylphthalate	3600		1	150	350	ug/Kg	10/27/25 17:03	PB170215
91-94-1	3,3-Dichlorobenzidine	3600		1	76.4	690	ug/Kg	10/27/25 17:03	PB170215
56-55-3	Benzo(a)anthracene	3500		1	47.9	350	ug/Kg	10/27/25 17:03	PB170215
218-01-9	Chrysene	3400		1	41.4	350	ug/Kg	10/27/25 17:03	PB170215
117-81-7	Bis(2-ethylhexyl)phthalate	3400		1	120	350	ug/Kg	10/27/25 17:03	PB170215
117-84-0	Di-n-octyl phthalate	3400		1	180	690	ug/Kg	10/27/25 17:03	PB170215
205-99-2	Benzo(b)fluoranthene	3300		1	39.6	350	ug/Kg	10/27/25 17:03	PB170215
207-08-9	Benzo(k)fluoranthene	3700		1	46.6	350	ug/Kg	10/27/25 17:03	PB170215
50-32-8	Benzo(a)pyrene	3700		1	61.4	350	ug/Kg	10/27/25 17:03	PB170215
193-39-5	Indeno(1,2,3-cd)pyrene	2700		1	60.6	350	ug/Kg	10/27/25 17:03	PB170215
53-70-3	Dibenzo(a,h)anthracene	2800		1	57.1	350	ug/Kg	10/27/25 17:03	PB170215
191-24-2	Benzo(g,h,i)perylene	2600		1	53.5	350	ug/Kg	10/27/25 17:03	PB170215
95-94-3	1,2,4,5-Tetrachlorobenzene	2900		1	53.3	350	ug/Kg	10/27/25 17:03	PB170215
123-91-1	1,4-Dioxane	350	U	1	94.1	350	ug/Kg	10/27/25 17:03	PB170215
58-90-2	2,3,4,6-Tetrachlorophenol	3700		1	57.1	350	ug/Kg	10/27/25 17:03	PB170215
SURROGATES									
367-12-4	2-Fluorophenol	29.3			18 - 112	20%	SPK: 150		
13127-88-3	Phenol-d6	42.6			15 - 107	28%	SPK: 150		
4165-60-0	Nitrobenzene-d5	41.6			18 - 107	42%	SPK: 100		
321-60-8	2-Fluorobiphenyl	40.6			20 - 109	41%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	82.9			10 - 116	55%	SPK: 150		
1718-51-0	Terphenyl-d14	51.9			10 - 105	52%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	51700							
1146-65-2	Naphthalene-d8	204000							
15067-26-2	Acenaphthene-d10	117000							
1517-22-2	Phenanthrene-d10	210000							
1719-03-5	Chrysene-d12	137000							
1520-96-3	Perylene-d12	173000							

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Report of Analysis

Client:	AECOM	Date Collected:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/17/25
Client Sample ID:	PR132-S07-000102-22510170MS	SDG No.:	Q3395
Lab Sample ID:	Q3395-03MS	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	47.9
Sample Wt/Vol:	30.08 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.:	Q3395
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.:	Q3395
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.:	Q3395
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

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Report of Analysis

Client:	AECOM	Date Collected:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/17/25
Client Sample ID:	PR132-S07-000102-22510170MSD	SDG No.:	Q3395
Lab Sample ID:	Q3395-04MSD	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	47.9
Sample Wt/Vol:	30.04 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	1200		1	330	690	ug/Kg	10/27/25 17:33	PB170215
108-95-2	Phenol	1700		1	46.1	350	ug/Kg	10/27/25 17:33	PB170215
111-44-4	bis(2-Chloroethyl)ether	2400		1	50.7	350	ug/Kg	10/27/25 17:33	PB170215
95-57-8	2-Chlorophenol	2300		1	50.9	350	ug/Kg	10/27/25 17:33	PB170215
95-48-7	2-Methylphenol	2400		1	62.3	350	ug/Kg	10/27/25 17:33	PB170215
108-60-1	2,2-oxybis(1-Chloropropane)	2700		1	78.2	350	ug/Kg	10/27/25 17:33	PB170215
98-86-2	Acetophenone	2900		1	61.5	350	ug/Kg	10/27/25 17:33	PB170215
65794-96-9	3+4-Methylphenols	2500		1	85.7	690	ug/Kg	10/27/25 17:33	PB170215
621-64-7	n-Nitroso-di-n-propylamine	2700		1	98.8	170	ug/Kg	10/27/25 17:33	PB170215
67-72-1	Hexachloroethane	2500		1	36.7	350	ug/Kg	10/27/25 17:33	PB170215
98-95-3	Nitrobenzene	2600		1	38.2	350	ug/Kg	10/27/25 17:33	PB170215
78-59-1	Isophorone	2800		1	68.4	350	ug/Kg	10/27/25 17:33	PB170215
88-75-5	2-Nitrophenol	2700		1	120	350	ug/Kg	10/27/25 17:33	PB170215
105-67-9	2,4-Dimethylphenol	3100		1	140	350	ug/Kg	10/27/25 17:33	PB170215
111-91-1	bis(2-Chloroethoxy)methane	2900		1	64.2	350	ug/Kg	10/27/25 17:33	PB170215
120-83-2	2,4-Dichlorophenol	2800		1	59.0	350	ug/Kg	10/27/25 17:33	PB170215
91-20-3	Naphthalene	2800		1	47.3	350	ug/Kg	10/27/25 17:33	PB170215
106-47-8	4-Chloroaniline	3300		1	73.8	350	ug/Kg	10/27/25 17:33	PB170215
87-68-3	Hexachlorobutadiene	2600		1	52.7	350	ug/Kg	10/27/25 17:33	PB170215
105-60-2	Caprolactam	3900		1	110	690	ug/Kg	10/27/25 17:33	PB170215
59-50-7	4-Chloro-3-methylphenol	3200		1	59.8	350	ug/Kg	10/27/25 17:33	PB170215
91-57-6	2-Methylnaphthalene	2700		1	53.4	350	ug/Kg	10/27/25 17:33	PB170215
77-47-4	Hexachlorocyclopentadiene	5900	E	1	240	690	ug/Kg	10/27/25 17:33	PB170215
88-06-2	2,4,6-Trichlorophenol	2900		1	41.3	350	ug/Kg	10/27/25 17:33	PB170215
95-95-4	2,4,5-Trichlorophenol	2900		1	60.7	350	ug/Kg	10/27/25 17:33	PB170215
92-52-4	1,1-Biphenyl	3000		1	45.5	350	ug/Kg	10/27/25 17:33	PB170215
91-58-7	2-Chloronaphthalene	2800		1	46.9	350	ug/Kg	10/27/25 17:33	PB170215
88-74-4	2-Nitroaniline	3200		1	100	350	ug/Kg	10/27/25 17:33	PB170215
131-11-3	Dimethylphthalate	3300		1	56.5	350	ug/Kg	10/27/25 17:33	PB170215
208-96-8	Acenaphthylene	3300		1	60.3	350	ug/Kg	10/27/25 17:33	PB170215
606-20-2	2,6-Dinitrotoluene	3400		1	70.1	350	ug/Kg	10/27/25 17:33	PB170215
99-09-2	3-Nitroaniline	3500		1	95.9	350	ug/Kg	10/27/25 17:33	PB170215
83-32-9	Acenaphthene	3000		1	44.4	350	ug/Kg	10/27/25 17:33	PB170215
51-28-5	2,4-Dinitrophenol	4500		1	480	690	ug/Kg	10/27/25 17:33	PB170215
100-02-7	4-Nitrophenol	6300	E	1	220	690	ug/Kg	10/27/25 17:33	PB170215
132-64-9	Dibenzofuran	3100		1	47.3	350	ug/Kg	10/27/25 17:33	PB170215
121-14-2	2,4-Dinitrotoluene	3600		1	100	350	ug/Kg	10/27/25 17:33	PB170215
84-66-2	Diethylphthalate	3300		1	59.0	350	ug/Kg	10/27/25 17:33	PB170215
7005-72-3	4-Chlorophenyl-phenylether	3000		1	55.7	350	ug/Kg	10/27/25 17:33	PB170215
86-73-7	Fluorene	3200		1	52.7	350	ug/Kg	10/27/25 17:33	PB170215
100-01-6	4-Nitroaniline	3400		1	130	350	ug/Kg	10/27/25 17:33	PB170215
534-52-1	4,6-Dinitro-2-methylphenol	2700		1	210	690	ug/Kg	10/27/25 17:33	PB170215

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Report of Analysis

Client:	AECOM	Date Collected:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/17/25
Client Sample ID:	PR132-S07-000102-22510170MSD	SDG No.:	Q3395
Lab Sample ID:	Q3395-04MSD	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	47.9
Sample Wt/Vol:	30.04 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	3300		1	68.6	350	ug/Kg	10/27/25 17:33	PB170215
101-55-3	4-Bromophenyl-phenylether	3000		1	58.0	350	ug/Kg	10/27/25 17:33	PB170215
118-74-1	Hexachlorobenzene	3100		1	52.7	350	ug/Kg	10/27/25 17:33	PB170215
1912-24-9	Atrazine	3500		1	70.9	350	ug/Kg	10/27/25 17:33	PB170215
87-86-5	Pentachlorophenol	6400	E	1	110	690	ug/Kg	10/27/25 17:33	PB170215
85-01-8	Phenanthrene	3300		1	43.6	350	ug/Kg	10/27/25 17:33	PB170215
120-12-7	Anthracene	3200		1	69.4	350	ug/Kg	10/27/25 17:33	PB170215
86-74-8	Carbazole	3100		1	65.0	350	ug/Kg	10/27/25 17:33	PB170215
84-74-2	Di-n-butylphthalate	3200		1	99.9	350	ug/Kg	10/27/25 17:33	PB170215
206-44-0	Fluoranthene	2900		1	62.5	350	ug/Kg	10/27/25 17:33	PB170215
129-00-0	Pyrene	3400		1	75.1	350	ug/Kg	10/27/25 17:33	PB170215
85-68-7	Butylbenzylphthalate	3300		1	150	350	ug/Kg	10/27/25 17:33	PB170215
91-94-1	3,3-Dichlorobenzidine	3700		1	76.5	690	ug/Kg	10/27/25 17:33	PB170215
56-55-3	Benzo(a)anthracene	3400		1	48.0	350	ug/Kg	10/27/25 17:33	PB170215
218-01-9	Chrysene	3300		1	41.5	350	ug/Kg	10/27/25 17:33	PB170215
117-81-7	Bis(2-ethylhexyl)phthalate	3200		1	120	350	ug/Kg	10/27/25 17:33	PB170215
117-84-0	Di-n-octyl phthalate	3500		1	180	690	ug/Kg	10/27/25 17:33	PB170215
205-99-2	Benzo(b)fluoranthene	3300		1	39.6	350	ug/Kg	10/27/25 17:33	PB170215
207-08-9	Benzo(k)fluoranthene	3600		1	46.7	350	ug/Kg	10/27/25 17:33	PB170215
50-32-8	Benzo(a)pyrene	3600		1	61.5	350	ug/Kg	10/27/25 17:33	PB170215
193-39-5	Indeno(1,2,3-cd)pyrene	2700		1	60.7	350	ug/Kg	10/27/25 17:33	PB170215
53-70-3	Dibenzo(a,h)anthracene	2700		1	57.1	350	ug/Kg	10/27/25 17:33	PB170215
191-24-2	Benzo(g,h,i)perylene	2400		1	53.6	350	ug/Kg	10/27/25 17:33	PB170215
95-94-3	1,2,4,5-Tetrachlorobenzene	2900		1	53.4	350	ug/Kg	10/27/25 17:33	PB170215
123-91-1	1,4-Dioxane	350	U	1	94.2	350	ug/Kg	10/27/25 17:33	PB170215
58-90-2	2,3,4,6-Tetrachlorophenol	3500		1	57.1	350	ug/Kg	10/27/25 17:33	PB170215
SURROGATES									
367-12-4	2-Fluorophenol	27.7			18 - 112	18%	SPK: 150		
13127-88-3	Phenol-d6	40.8			15 - 107	27%	SPK: 150		
4165-60-0	Nitrobenzene-d5	41.7			18 - 107	42%	SPK: 100		
321-60-8	2-Fluorobiphenyl	41.1			20 - 109	41%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	78.6			10 - 116	52%	SPK: 150		
1718-51-0	Terphenyl-d14	48.6			10 - 105	49%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	51300							
1146-65-2	Naphthalene-d8	192000							
15067-26-2	Acenaphthene-d10	110000							
1517-22-2	Phenanthrene-d10	190000							
1719-03-5	Chrysene-d12	124000							
1520-96-3	Perylene-d12	168000							

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Report of Analysis

Client:	AECOM	Date Collected:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/17/25
Client Sample ID:	PR132-S07-000102-22510170MSD	SDG No.:	Q3395
Lab Sample ID:	Q3395-04MSD	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	47.9
Sample Wt/Vol:	30.04 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-S16-015094-20251021MSD	SDG No.:	Q3395
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.:	Q3395
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.:	Q3395
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

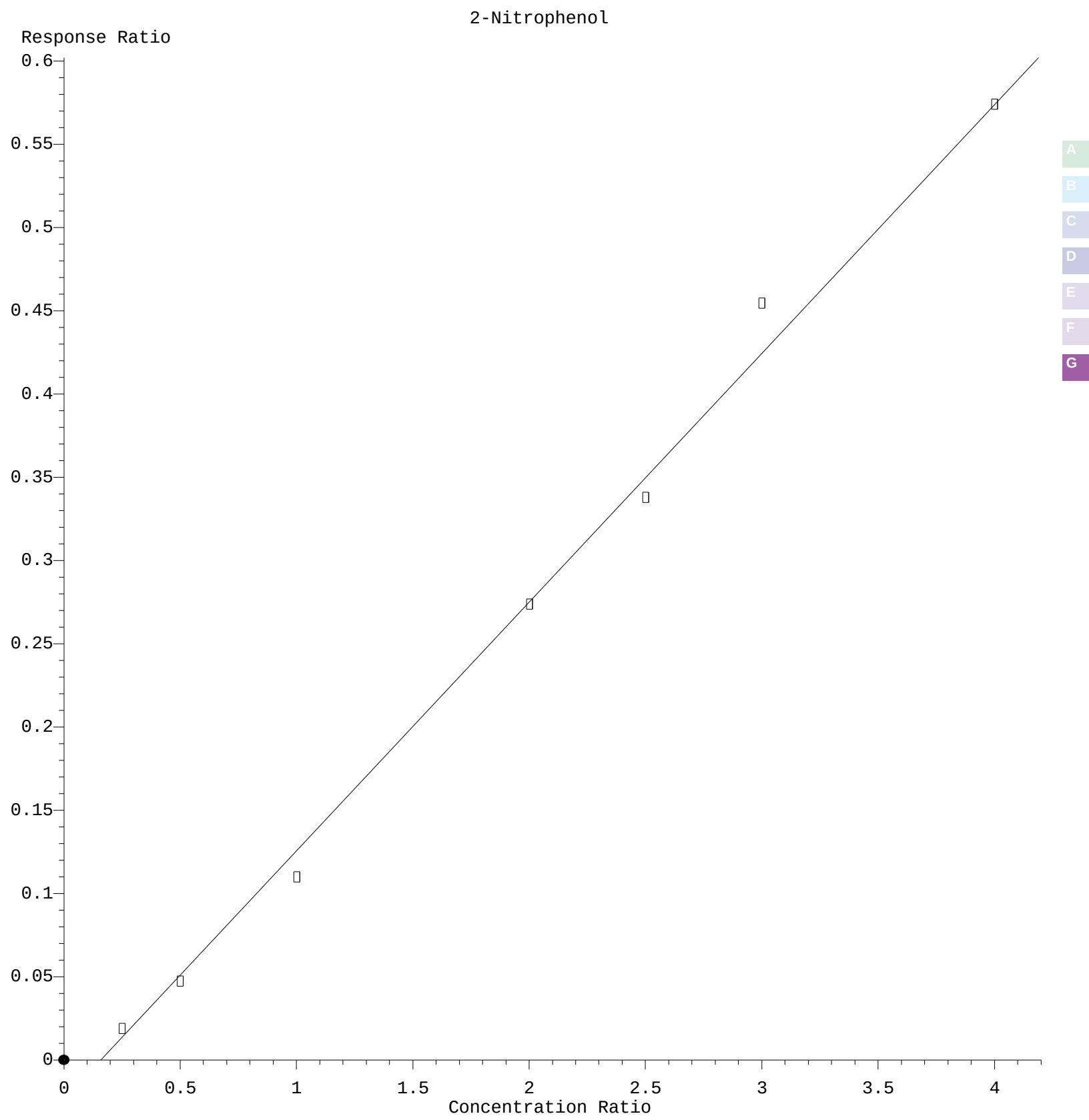
Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG102425.M

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

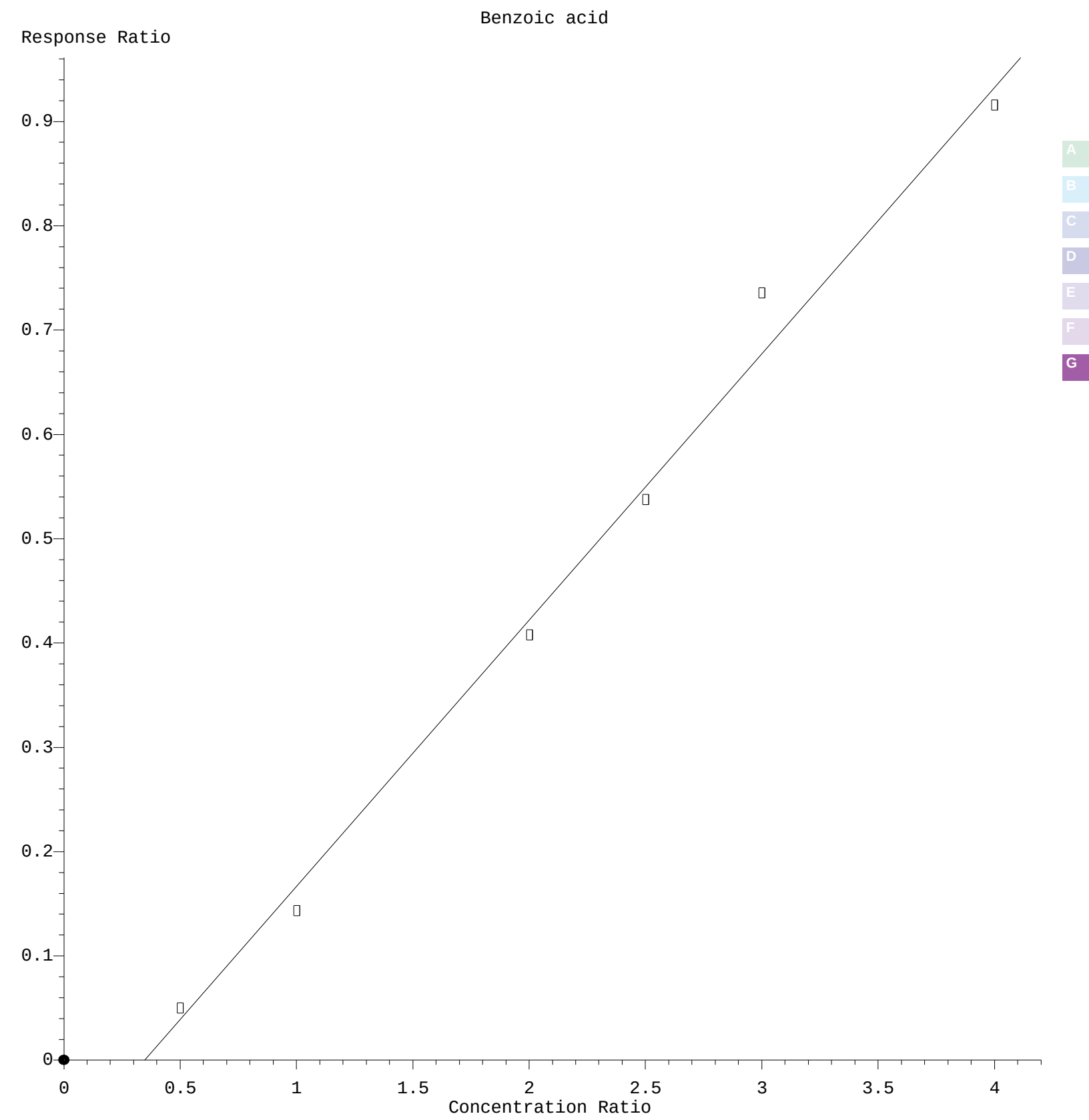
Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG102425.M

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

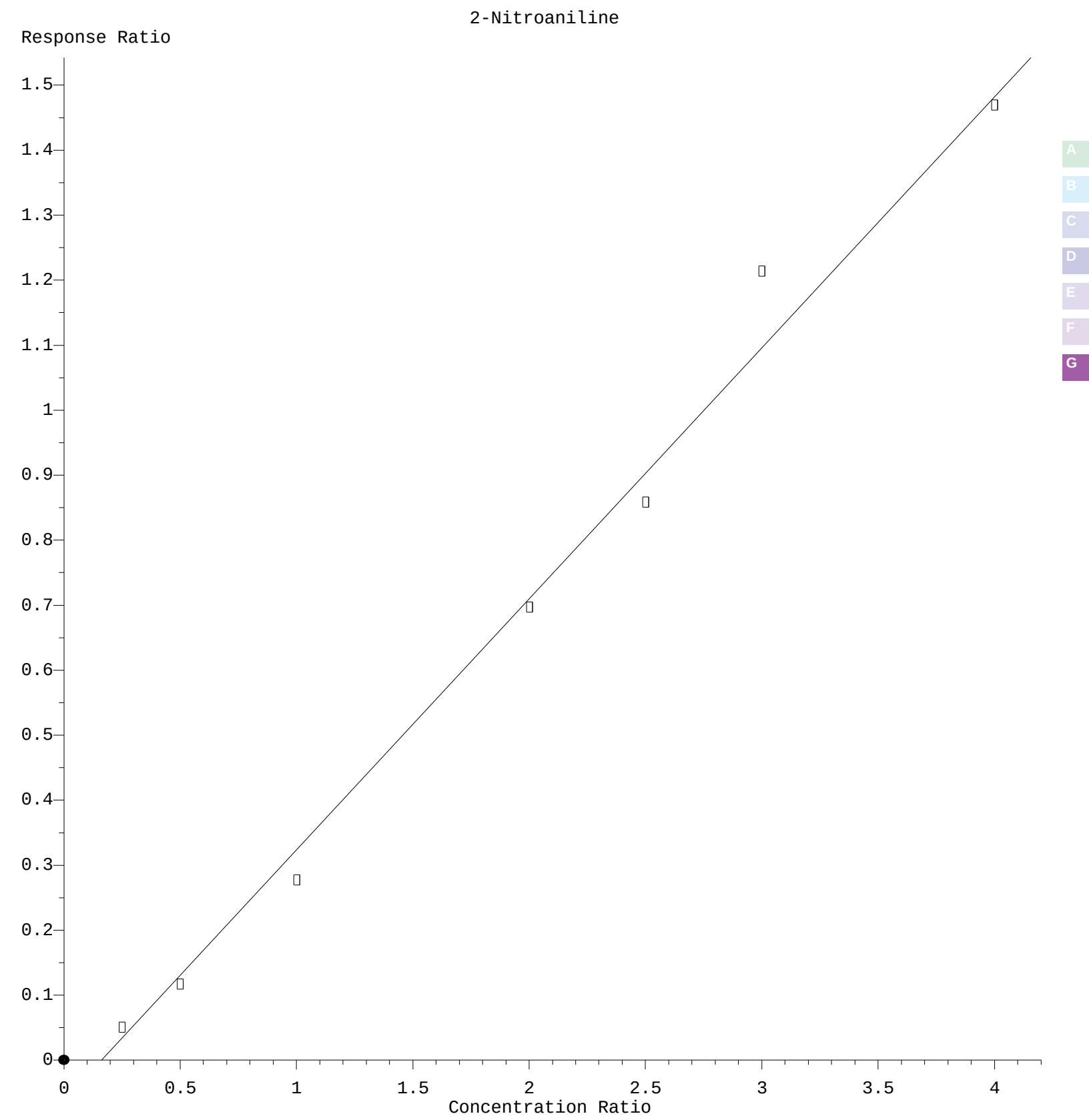
(#) = Out of Range



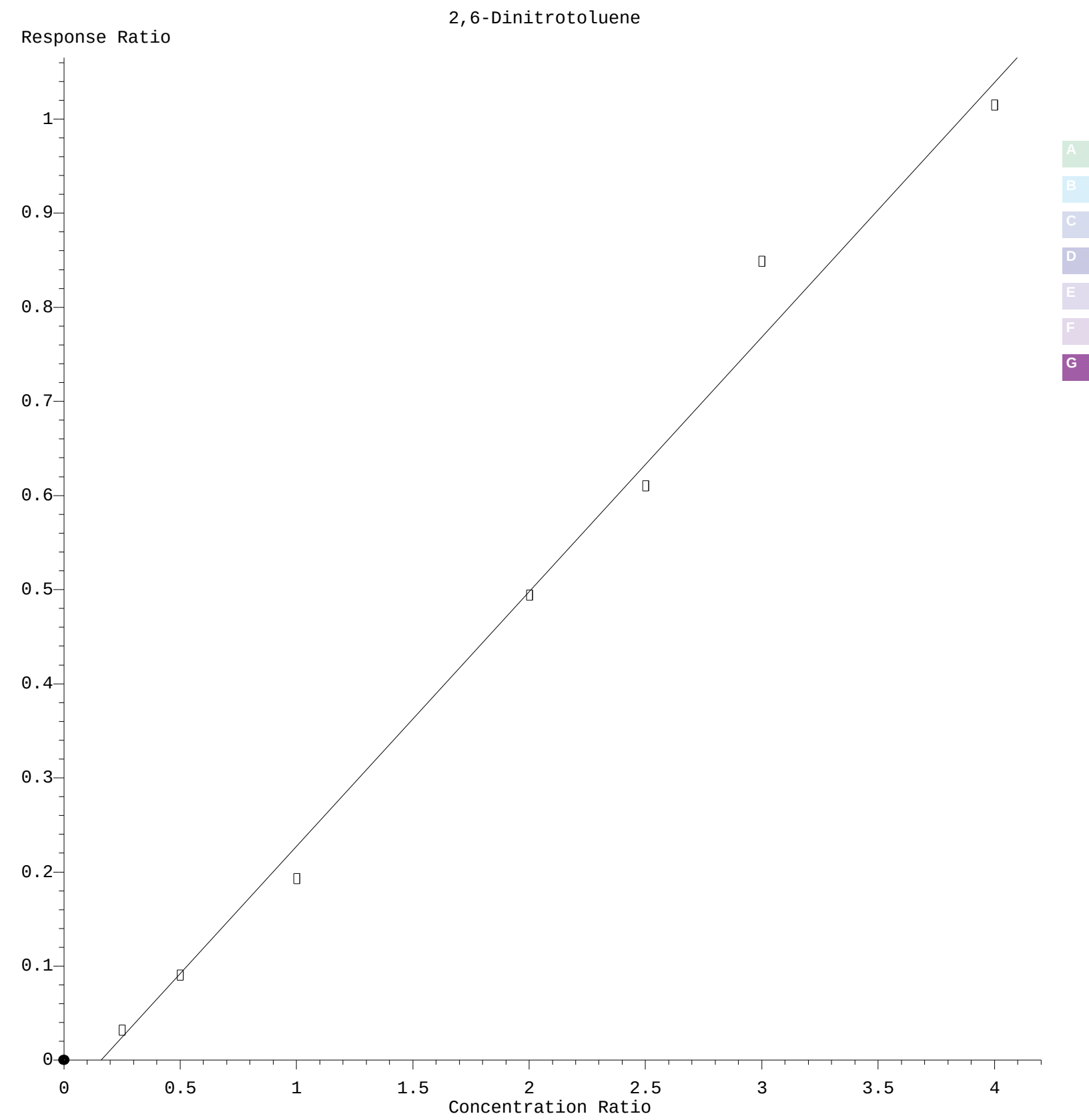
Response = 1.495e-001 * Amt - 2.340e-002
Coef of Det (r^2) = 0.995585 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Calibration Table Last Updated: Fri Oct 24 16:40:26 2025



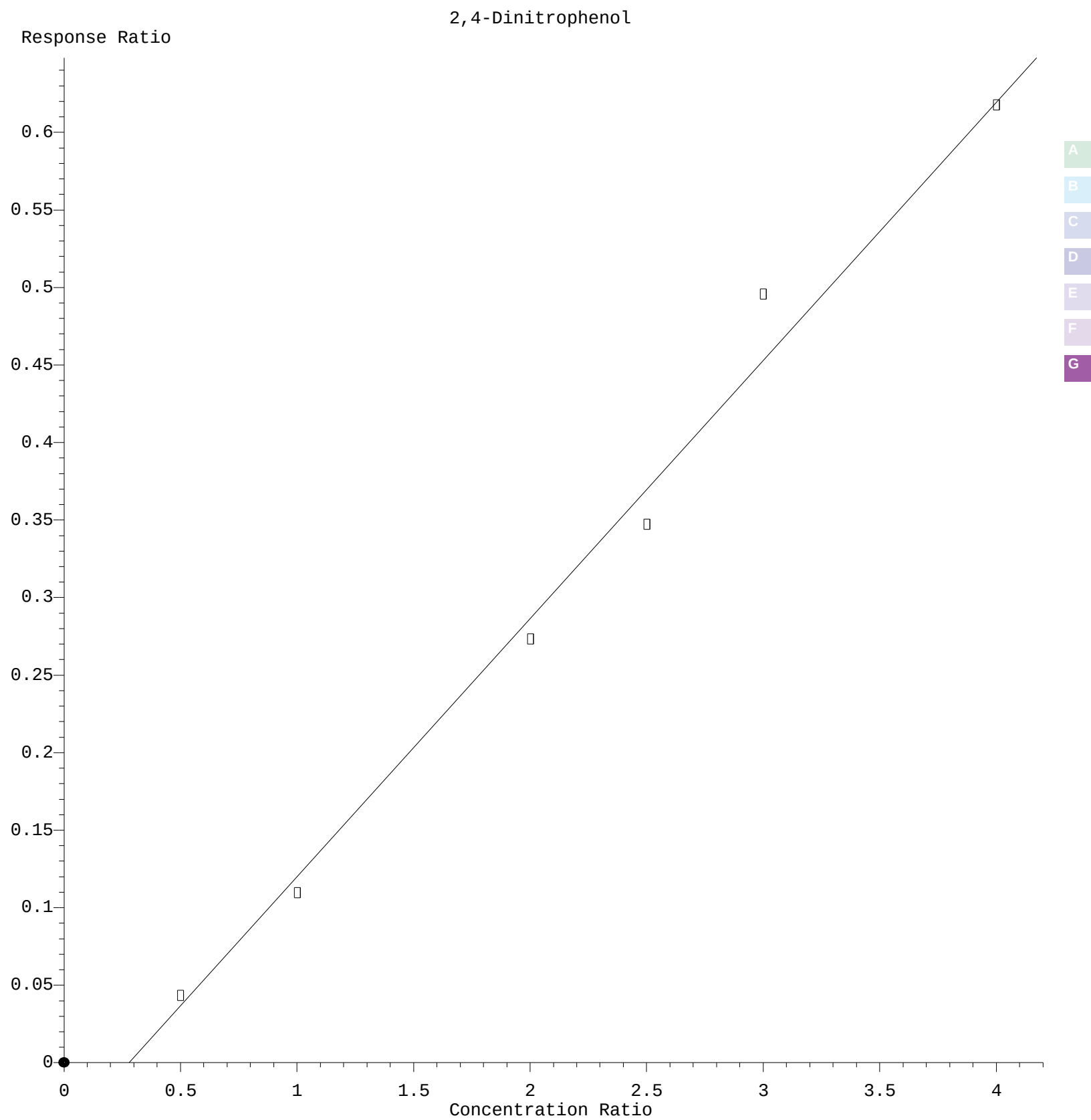
Response = 2.554e-001 * Amt - 8.844e-002
Coef of Det (r^2) = 0.993384 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Calibration Table Last Updated: Fri Oct 24 16:40:26 2025



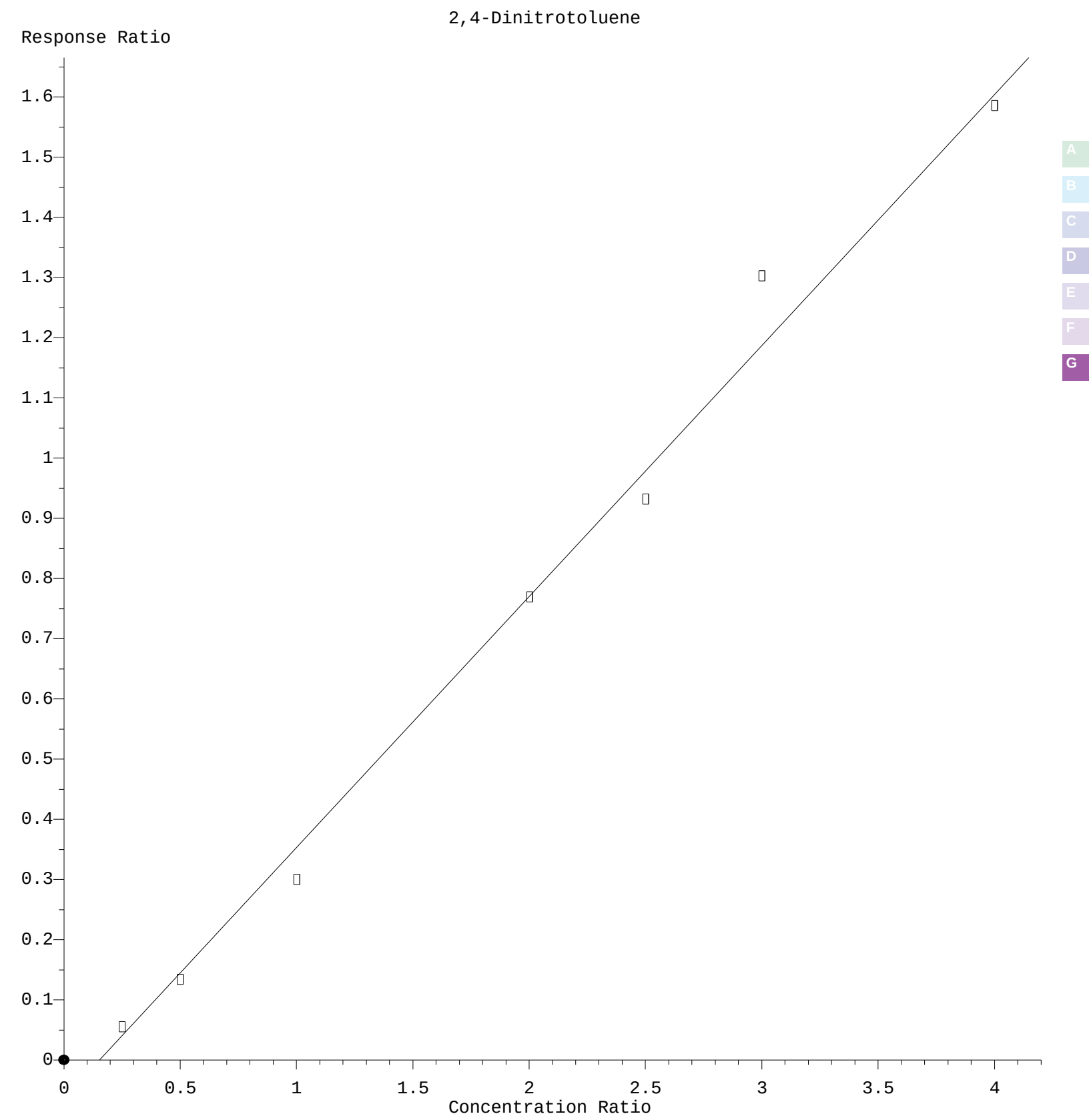
Response = 3.863e-001 * Amt - 6.228e-002
Coef of Det (r^2) = 0.991893 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Calibration Table Last Updated: Fri Oct 24 16:40:26 2025



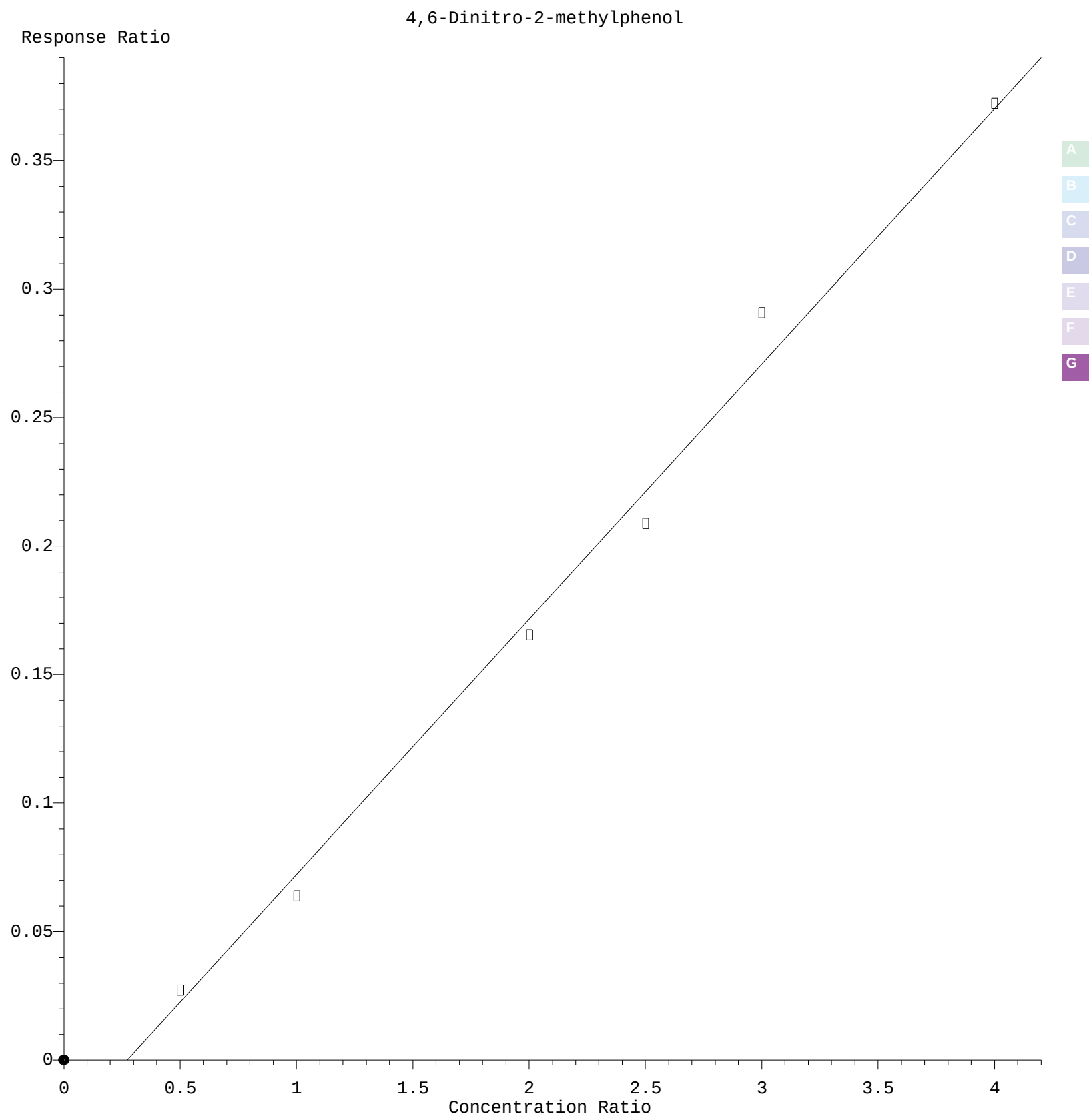
Response = 2.705e-001 * Amt - 4.319e-002
Coef of Det (r^2) = 0.992850 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Calibration Table Last Updated: Fri Oct 24 16:40:26 2025



Response = 1.666e-001 * Amt - 4.640e-002
Coef of Det (r^2) = 0.992196 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Calibration Table Last Updated: Fri Oct 24 16:40:26 2025



Response = 4.169e-001 * Amt - 6.360e-002
Coef of Det (r^2) = 0.992833 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Calibration Table Last Updated: Fri Oct 24 16:40:26 2025



Response = 9.922e-002 * Amt - 2.692e-002
Coef of Det (r^2) = 0.993360 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Calibration Table Last Updated: Fri Oct 24 16:40:26 2025

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG No.: Q3395

Instrument ID: BNA_F Calibration Date/Time: 10/27/2025 10:27

Lab File ID: BF144074.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	1.380		9.2	
Benzaldehyde	1.084	1.063		-1.9	
Phenol-d6	1.396	1.515		8.5	
Phenol	1.722	1.833		6.4	20.0
bis(2-Chloroethyl)ether	1.245	1.349		8.4	
2-Chlorophenol	1.245	1.332		7.0	
2-Methylphenol	0.957	1.041		8.8	
2,2-oxybis(1-Chloropropane)	2.339	2.496		6.7	
Acetophenone	0.432	0.456		5.6	
3+4-Methylphenols	1.132	1.219		7.7	
n-Nitroso-di-n-propylamine	0.903	0.952	0.050	5.4	
Nitrobenzene-d5	0.365	0.385		5.5	
Hexachloroethane	0.541	0.579		7.0	
Nitrobenzene	0.386	0.407		5.4	
Isophorone	0.638	0.683		7.1	
2-Nitrophenol	0.184	0.199		8.2	20.0
2,4-Dimethylphenol	0.273	0.309		13.2	
bis(2-Chloroethoxy)methane	0.398	0.425		6.8	
2,4-Dichlorophenol	0.317	0.336		6.0	20.0
Naphthalene	0.944	0.998		5.7	
4-Chloroaniline	0.329	0.363		10.3	
Hexachlorobutadiene	0.267	0.273		2.2	20.0
Caprolactam	0.080	0.087		8.8	
4-Chloro-3-methylphenol	0.280	0.302		7.9	20.0
2-Methylnaphthalene	0.622	0.664		6.8	
Hexachlorocyclopentadiene	0.212	0.233	0.050	9.9	
2,4,6-Trichlorophenol	0.447	0.457		2.2	20.0
2-Fluorobiphenyl	1.421	1.420		-0.1	
2,4,5-Trichlorophenol	0.469	0.499		6.4	
1,1-Biphenyl	1.432	1.433		0.1	
2-Chloronaphthalene	1.199	1.226		2.2	
2-Nitroaniline	0.356	0.384		7.9	
Dimethylphthalate	1.311	1.344		2.5	
Acenaphthylene	1.617	1.654		2.3	
2,6-Dinitrotoluene	0.259	0.282		8.9	
3-Nitroaniline	0.288	0.296		2.8	
Acenaphthene	1.080	1.105		2.3	20.0
2,4-Dinitrophenol	0.140	0.137	0.050	-2.1	
4-Nitrophenol	0.195	0.203	0.050	4.1	

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Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG No.: Q3395

Instrument ID: BNA_F Calibration Date/Time: 10/27/2025 10:27

Lab File ID: BF144074.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	1.549		3.3	
2,4-Dinitrotoluene	0.350	0.367		4.9	
Diethylphthalate	1.233	1.247		1.1	
4-Chlorophenyl-phenylether	0.643	0.665		3.4	
Fluorene	1.143	1.167		2.1	
4-Nitroaniline	0.273	0.281		2.9	
4,6-Dinitro-2-methylphenol	0.128	0.134		4.7	
n-Nitrosodiphenylamine	0.639	0.685		7.2	20.0
2,4,6-Tribromophenol	0.255	0.270		5.9	
4-Bromophenyl-phenylether	0.250	0.275		10.0	
Hexachlorobenzene	0.307	0.333		8.5	
Atrazine	0.210	0.202		-3.8	
Pentachlorophenol	0.146	0.160		9.6	20.0
Phenanthrene	0.994	1.034		4.0	
Anthracene	1.026	1.032		0.6	
Carbazole	0.874	0.880		0.7	
Di-n-butylphthalate	1.071	1.039		-3.0	
Fluoranthene	1.098	1.041		-5.2	20.0
Pyrene	1.438	1.685		17.2	
Terphenyl-d14	1.144	1.306		14.2	
Butylbenzylphthalate	0.544	0.551		1.3	
3,3-Dichlorobenzidine	0.470	0.505		7.4	
Benzo(a)anthracene	1.352	1.462		8.1	
Chrysene	1.268	1.310		3.3	
Bis(2-ethylhexyl)phthalate	0.743	0.742		-0.1	
Di-n-octyl phthalate	1.277	1.328		4.0	20.0
Benzo(b)fluoranthene	1.131	1.120		-1.0	
Benzo(k)fluoranthene	1.043	1.032		-1.1	
Benzo(a)pyrene	1.014	1.060		4.5	20.0
Indeno(1,2,3-cd)pyrene	1.373	1.510		10.0	
Dibenzo(a,h)anthracene	1.087	1.187		9.2	
Benzo(g,h,i)perylene	1.093	1.200		9.8	
1,2,4,5-Tetrachlorobenzene	0.687	0.712		3.6	
1,4-Dioxane	0.546	0.545		-0.2	20.0
2,3,4,6-Tetrachlorophenol	0.330	0.362		9.7	

All other compounds must meet a minimum RRF of 0.010.

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Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG No.: Q3395

Instrument ID: BNA_F Calibration Date/Time: 10/28/2025 13:17

Lab File ID: BF144097.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	1.303		3.1	
Benzaldehyde	1.084	1.105		1.9	
Phenol-d6	1.396	1.466		5.0	
Phenol	1.722	1.775		3.1	20.0
bis(2-Chloroethyl)ether	1.245	1.329		6.7	
2-Chlorophenol	1.245	1.300		4.4	
2-Methylphenol	0.957	1.028		7.4	
2,2-oxybis(1-Chloropropane)	2.339	2.513		7.4	
Acetophenone	0.432	0.450		4.2	
3+4-Methylphenols	1.132	1.216		7.4	
n-Nitroso-di-n-propylamine	0.903	1.004	0.050	11.2	
Nitrobenzene-d5	0.365	0.371		1.6	
Hexachloroethane	0.541	0.558		3.1	
Nitrobenzene	0.386	0.408		5.7	
Isophorone	0.638	0.714		11.9	
2-Nitrophenol	0.184	0.203		10.3	20.0
2,4-Dimethylphenol	0.273	0.303		11.0	
bis(2-Chloroethoxy)methane	0.398	0.444		11.6	
2,4-Dichlorophenol	0.317	0.338		6.6	20.0
Naphthalene	0.944	0.987		4.6	
4-Chloroaniline	0.329	0.364		10.6	
Hexachlorobutadiene	0.267	0.269		0.7	20.0
Caprolactam	0.080	0.097		21.3	
4-Chloro-3-methylphenol	0.280	0.322		15.0	20.0
2-Methylnaphthalene	0.622	0.666		7.1	
Hexachlorocyclopentadiene	0.212	0.238	0.050	12.3	
2,4,6-Trichlorophenol	0.447	0.474		6.0	20.0
2-Fluorobiphenyl	1.421	1.379		-3.0	
2,4,5-Trichlorophenol	0.469	0.522		11.3	
1,1-Biphenyl	1.432	1.391		-2.9	
2-Chloronaphthalene	1.199	1.218		1.6	
2-Nitroaniline	0.356	0.388		9.0	
Dimethylphthalate	1.311	1.432		9.2	
Acenaphthylene	1.617	1.684		4.1	
2,6-Dinitrotoluene	0.259	0.297		14.7	
3-Nitroaniline	0.288	0.326		13.2	
Acenaphthene	1.080	1.111		2.9	20.0
2,4-Dinitrophenol	0.140	0.166	0.050	18.6	
4-Nitrophenol	0.195	0.221	0.050	13.3	

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG No.: Q3395

Instrument ID: BNA_F Calibration Date/Time: 10/28/2025 13:17

Lab File ID: BF144097.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	1.565		4.4	
2,4-Dinitrotoluene	0.350	0.407		16.3	
Diethylphthalate	1.233	1.355		9.9	
4-Chlorophenyl-phenylether	0.643	0.693		7.8	
Fluorene	1.143	1.207		5.6	
4-Nitroaniline	0.273	0.304		11.4	
4,6-Dinitro-2-methylphenol	0.128	0.136		6.3	
n-Nitrosodiphenylamine	0.639	0.653		2.2	20.0
2,4,6-Tribromophenol	0.255	0.287		12.5	
4-Bromophenyl-phenylether	0.250	0.266		6.4	
Hexachlorobenzene	0.307	0.322		4.9	
Atrazine	0.210	0.208		-1.0	
Pentachlorophenol	0.146	0.170		16.4	20.0
Phenanthrene	0.994	1.013		1.9	
Anthracene	1.026	1.035		0.9	
Carbazole	0.874	0.869		-0.6	
Di-n-butylphthalate	1.071	1.082		1.0	
Fluoranthene	1.098	1.000		-8.9	20.0
Pyrene	1.438	2.068		43.8	
Terphenyl-d14	1.144	1.573		37.5	
Butylbenzylphthalate	0.544	0.651		19.7	
3,3-Dichlorobenzidine	0.470	0.517		10.0	
Benzo(a)anthracene	1.352	1.480		9.5	
Chrysene	1.268	1.334		5.2	
Bis(2-ethylhexyl)phthalate	0.743	0.775		4.3	
Di-n-octyl phthalate	1.277	1.323		3.6	20.0
Benzo(b)fluoranthene	1.131	1.126		-0.4	
Benzo(k)fluoranthene	1.043	1.047		0.4	
Benzo(a)pyrene	1.014	1.094		7.9	20.0
Indeno(1,2,3-cd)pyrene	1.373	1.546		12.6	
Dibenzo(a,h)anthracene	1.087	1.218		12.1	
Benzo(g,h,i)perylene	1.093	1.265		15.7	
1,2,4,5-Tetrachlorobenzene	0.687	0.668		-2.8	
1,4-Dioxane	0.546	0.520		-4.8	20.0
2,3,4,6-Tetrachlorophenol	0.330	0.372		12.7	

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.: Q3395

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.: Q3395

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.