

LAB CHRONICLE

OrderID:	Q3376	OrderDate:	10/17/2025 10:34:00 AM
Client:	AECOM	Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC -
Contact:	Rob Forstner	Location:	60993705-1719208 Soil, VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3376-01	PR132-S05-057082-2 0251016	SOIL			10/16/25			10/16/25
			SVOC-TCL BNA -20	8270E		10/21/25	10/21/25	
Q3376-02	PR132-DP01-2025101 6	SOIL			10/16/25			10/16/25
			SVOC-TCL BNA -20	8270E		10/21/25	10/21/25	
Q3376-03	PR132-COMP2-20251 016	SOIL			10/16/25			10/16/25
			SVOC-TCL BNA -20	8270E		10/21/25	10/22/25	
Q3376-04	PR132-S12-047072-2 0251016	SOIL			10/16/25			10/16/25
			SVOC-TCL BNA -20	8270E		10/21/25	10/22/25	
Q3376-05	PR132-S12-020047-2 0251016	SOIL			10/16/25			10/16/25
			SVOC-TCL BNA -20	8270E		10/21/25	10/28/25	

Hit Summary Sheet SW-846

SDG No.: Q3376
Client: AECOM

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : PR132-S05-057082-20251016								
Q3376-01	PR132-S05-057082-2025	SOIL	Phenanthrene	130.000	J	39.1	320	ug/Kg
Q3376-01	PR132-S05-057082-2025	SOIL	Fluoranthene	230.000	J	56.1	320	ug/Kg
Q3376-01	PR132-S05-057082-2025	SOIL	Pyrene	180.000	J	67.3	320	ug/Kg
Q3376-01	PR132-S05-057082-2025	SOIL	Benzo(a)anthracene	150.000	J	43	320	ug/Kg
Q3376-01	PR132-S05-057082-2025	SOIL	Chrysene	140.000	J	37.2	320	ug/Kg
Q3376-01	PR132-S05-057082-2025	SOIL	Benzo(b)fluoranthene	160.000	J	35.5	320	ug/Kg
Q3376-01	PR132-S05-057082-2025	SOIL	Benzo(a)pyrene	170.000	J	55.1	320	ug/Kg
Total Svoc :				1,160.00				
Q3376-01	PR132-S05-057082-2025	SOIL	3-Methyl-4-(methoxycarbonyl)he: *	1,000.000	J	0	0	ug/Kg
Q3376-01	PR132-S05-057082-2025	SOIL	Benzophenone *	420.000	J	0	0	ug/Kg
Q3376-01	PR132-S05-057082-2025	SOIL	n-Hexadecanoic acid *	280.000	J	0	0	ug/Kg
Q3376-01	PR132-S05-057082-2025	SOIL	Octane, 2,3,7-trimethyl- *	920.000	J	0	0	ug/Kg
Q3376-01	PR132-S05-057082-2025	SOIL	Tridecane *	840.000	J	0	0	ug/Kg
Q3376-01	PR132-S05-057082-2025	SOIL	Tridecane, 5-propyl- *	1,600.000	J	0	0	ug/Kg
Q3376-01	PR132-S05-057082-2025	SOIL	Undecane, 2,6-dimethyl- *	380.000	J	0	0	ug/Kg
Q3376-01	PR132-S05-057082-2025	SOIL	Cyclohexane, pentyl- *	250.000	J	0	0	ug/Kg
Q3376-01	PR132-S05-057082-2025	SOIL	Dodecane, 2,6,10-trimethyl- *	670.000	J	0	0	ug/Kg
Total Tics :				6,360.00				
Total Concentration:				7,520.00				
Client ID : PR132-DP01-20251016								
Q3376-02	PR132-DP01-20251016	SOIL	Fluoranthene	210.000	J	55.9	320	ug/Kg
Q3376-02	PR132-DP01-20251016	SOIL	Pyrene	160.000	J	67.1	320	ug/Kg
Q3376-02	PR132-DP01-20251016	SOIL	Benzo(b)fluoranthene	130.000	J	35.4	320	ug/Kg
Total Svoc :				500.00				
Q3376-02	PR132-DP01-20251016	SOIL	Benzophenone *	430.000	J	0	0	ug/Kg
Q3376-02	PR132-DP01-20251016	SOIL	Cyclohexane, pentyl- *	230.000	J	0	0	ug/Kg
Q3376-02	PR132-DP01-20251016	SOIL	Dodecane, 2,6,11-trimethyl- *	530.000	J	0	0	ug/Kg
Q3376-02	PR132-DP01-20251016	SOIL	Tridecane *	680.000	J	0	0	ug/Kg
Q3376-02	PR132-DP01-20251016	SOIL	Tridecane, 5-propyl- *	1,300.000	J	0	0	ug/Kg
Q3376-02	PR132-DP01-20251016	SOIL	Tridecanoic acid *	310.000	J	0	0	ug/Kg
Total Tics :				3,480.00				
Total Concentration:				3,980.00				
Client ID : PR132-COMP2-20251016								
Q3376-03	PR132-COMP2-20251016	SOIL	Benzophenone *	190.000	J	0	0	ug/Kg
Q3376-03	PR132-COMP2-20251016	SOIL	Dodecane, 2,6,10-trimethyl- *	130.000	J	0	0	ug/Kg
Q3376-03	PR132-COMP2-20251016	SOIL	Silane, trichlorooctadecyl- *	200.000	J	0	0	ug/Kg
Total Tics :				520.00				

Hit Summary Sheet SW-846

SDG No.: Q3376
Client: AECOM

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Total Concentration:				520.00				
Client ID :	PR132-S12-047072-20251016							
Q3376-04	PR132-S12-047072-2025	SOIL	Benzophenone	*	290.000	J 0	0	ug/Kg
Q3376-04	PR132-S12-047072-2025	SOIL	n-Hexadecanoic acid	*	140.000	J 0	0	ug/Kg
Total Tics :				430.00				
Total Concentration:				430.00				
Client ID :	PR132-S12-020047-20251016							
Q3376-05	PR132-S12-020047-2025	SOIL	Bis(2-ethylhexyl)phthalate		190.000	J 88.6	250	ug/Kg
Total Svoc :				190.00				
Q3376-05	PR132-S12-020047-2025	SOIL	1-Octadecene	*	150.000	J 0	0	ug/Kg
Q3376-05	PR132-S12-020047-2025	SOIL	Benzophenone	*	370.000	J 0	0	ug/Kg
Q3376-05	PR132-S12-020047-2025	SOIL	Cetene	*	130.000	J 0	0	ug/Kg
Q3376-05	PR132-S12-020047-2025	SOIL	Cyclotetracosane	*	330.000	J 0	0	ug/Kg
Q3376-05	PR132-S12-020047-2025	SOIL	n-Hexadecanoic acid	*	560.000	J 0	0	ug/Kg
Total Tics :				1,540.00				
Total Concentration:				1,730.00				



SAMPLE DATA

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-S05-057082-20251016
Lab Sample ID: Q3376-01
Analytical Method: 8270E Level: LOW
Sample Wt/Vol: 30.01 g Final Vol: 1000 uL
Prep Method: SW3510C Prep Date: 10/21/25

Date Collected: 10/16/25
Date Received: 10/16/25
SDG No.: Q3376
Matrix: SOIL
% Solid: 53.5
Test: SVOC-TCL BNA -20

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	10/21/25 22:53	PB170180
108-95-2	Phenol	320	U	1	41.3	320	ug/Kg	10/21/25 22:53	PB170180
111-44-4	bis(2-Chloroethyl)ether	320	U	1	45.4	320	ug/Kg	10/21/25 22:53	PB170180
95-57-8	2-Chlorophenol	320	U	1	45.6	320	ug/Kg	10/21/25 22:53	PB170180
95-48-7	2-Methylphenol	320	U	1	55.9	320	ug/Kg	10/21/25 22:53	PB170180
108-60-1	2,2-oxybis(1-Chloropropane)	320	U	1	70.1	320	ug/Kg	10/21/25 22:53	PB170180
98-86-2	Acetophenone	320	U	1	55.1	320	ug/Kg	10/21/25 22:53	PB170180
65794-96-9	3+4-Methylphenols	620	U	1	76.8	620	ug/Kg	10/21/25 22:53	PB170180
621-64-7	n-Nitroso-di-n-propylamine	150	U	1	88.6	150	ug/Kg	10/21/25 22:53	PB170180
67-72-1	Hexachloroethane	320	U	1	32.9	320	ug/Kg	10/21/25 22:53	PB170180
98-95-3	Nitrobenzene	320	U	1	34.2	320	ug/Kg	10/21/25 22:53	PB170180
78-59-1	Isophorone	320	U	1	61.3	320	ug/Kg	10/21/25 22:53	PB170180
88-75-5	2-Nitrophenol	320	U	1	110	320	ug/Kg	10/21/25 22:53	PB170180
105-67-9	2,4-Dimethylphenol	320	U	1	120	320	ug/Kg	10/21/25 22:53	PB170180
111-91-1	bis(2-Chloroethoxy)methane	320	U	1	57.6	320	ug/Kg	10/21/25 22:53	PB170180
120-83-2	2,4-Dichlorophenol	320	U	1	52.9	320	ug/Kg	10/21/25 22:53	PB170180
91-20-3	Naphthalene	320	U	1	42.4	320	ug/Kg	10/21/25 22:53	PB170180
106-47-8	4-Chloroaniline	320	U	1	66.1	320	ug/Kg	10/21/25 22:53	PB170180
87-68-3	Hexachlorobutadiene	320	U	1	47.3	320	ug/Kg	10/21/25 22:53	PB170180
105-60-2	Caprolactam	620	U	1	97.4	620	ug/Kg	10/21/25 22:53	PB170180
59-50-7	4-Chloro-3-methylphenol	320	U	1	53.6	320	ug/Kg	10/21/25 22:53	PB170180
91-57-6	2-Methylnaphthalene	320	U	1	47.8	320	ug/Kg	10/21/25 22:53	PB170180
77-47-4	Hexachlorocyclopentadiene	620	U	1	220	620	ug/Kg	10/21/25 22:53	PB170180
88-06-2	2,4,6-Trichlorophenol	320	U	1	37.0	320	ug/Kg	10/21/25 22:53	PB170180
95-95-4	2,4,5-Trichlorophenol	320	U	1	54.4	320	ug/Kg	10/21/25 22:53	PB170180
92-52-4	1,1-Biphenyl	320	U	1	40.7	320	ug/Kg	10/21/25 22:53	PB170180
91-58-7	2-Chloronaphthalene	320	U	1	42.0	320	ug/Kg	10/21/25 22:53	PB170180
88-74-4	2-Nitroaniline	320	U	1	89.9	320	ug/Kg	10/21/25 22:53	PB170180
131-11-3	Dimethylphthalate	320	U	1	50.6	320	ug/Kg	10/21/25 22:53	PB170180
208-96-8	Acenaphthylene	320	U	1	54.0	320	ug/Kg	10/21/25 22:53	PB170180
606-20-2	2,6-Dinitrotoluene	320	UQ	1	62.8	320	ug/Kg	10/21/25 22:53	PB170180
99-09-2	3-Nitroaniline	320	U	1	86.0	320	ug/Kg	10/21/25 22:53	PB170180
83-32-9	Acenaphthene	320	U	1	39.8	320	ug/Kg	10/21/25 22:53	PB170180
51-28-5	2,4-Dinitrophenol	620	U	1	430	620	ug/Kg	10/21/25 22:53	PB170180
100-02-7	4-Nitrophenol	620	U	1	200	620	ug/Kg	10/21/25 22:53	PB170180
132-64-9	Dibenzofuran	320	U	1	42.4	320	ug/Kg	10/21/25 22:53	PB170180
121-14-2	2,4-Dinitrotoluene	320	U	1	93.6	320	ug/Kg	10/21/25 22:53	PB170180
84-66-2	Diethylphthalate	320	U	1	52.9	320	ug/Kg	10/21/25 22:53	PB170180
7005-72-3	4-Chlorophenyl-phenylether	320	U	1	49.9	320	ug/Kg	10/21/25 22:53	PB170180
86-73-7	Fluorene	320	U	1	47.3	320	ug/Kg	10/21/25 22:53	PB170180
100-01-6	4-Nitroaniline	320	U	1	120	320	ug/Kg	10/21/25 22:53	PB170180
534-52-1	4,6-Dinitro-2-methylphenol	620	U	1	190	620	ug/Kg	10/21/25 22:53	PB170180

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-S05-057082-20251016
Lab Sample ID: Q3376-01
Analytical Method: 8270E Level: LOW
Sample Wt/Vol: 30.01 g Final Vol: 1000 uL
Prep Method: SW3510C Prep Date: 10/21/25

Date Collected: 10/16/25
Date Received: 10/16/25
SDG No.: Q3376
Matrix: SOIL
% Solid: 53.5
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	320	U	1	61.5	320	ug/Kg	10/21/25 22:53	PB170180
101-55-3	4-Bromophenyl-phenylether	320	U	1	51.9	320	ug/Kg	10/21/25 22:53	PB170180
118-74-1	Hexachlorobenzene	320	U	1	47.3	320	ug/Kg	10/21/25 22:53	PB170180
1912-24-9	Atrazine	320	U	1	63.5	320	ug/Kg	10/21/25 22:53	PB170180
87-86-5	Pentachlorophenol	620	U	1	95.9	620	ug/Kg	10/21/25 22:53	PB170180
85-01-8	Phenanthrene	130	J	1	39.1	320	ug/Kg	10/21/25 22:53	PB170180
120-12-7	Anthracene	320	U	1	62.2	320	ug/Kg	10/21/25 22:53	PB170180
86-74-8	Carbazole	320	U	1	58.3	320	ug/Kg	10/21/25 22:53	PB170180
84-74-2	Di-n-butylphthalate	320	U	1	89.5	320	ug/Kg	10/21/25 22:53	PB170180
206-44-0	Fluoranthene	230	J	1	56.1	320	ug/Kg	10/21/25 22:53	PB170180
129-00-0	Pyrene	180	J	1	67.3	320	ug/Kg	10/21/25 22:53	PB170180
85-68-7	Butylbenzylphthalate	320	U	1	130	320	ug/Kg	10/21/25 22:53	PB170180
91-94-1	3,3-Dichlorobenzidine	620	U	1	68.6	620	ug/Kg	10/21/25 22:53	PB170180
56-55-3	Benzo(a)anthracene	150	J	1	43.0	320	ug/Kg	10/21/25 22:53	PB170180
218-01-9	Chrysene	140	J	1	37.2	320	ug/Kg	10/21/25 22:53	PB170180
117-81-7	Bis(2-ethylhexyl)phthalate	320	U	1	110	320	ug/Kg	10/21/25 22:53	PB170180
117-84-0	Di-n-octyl phthalate	620	U	1	160	620	ug/Kg	10/21/25 22:53	PB170180
205-99-2	Benzo(b)fluoranthene	160	J	1	35.5	320	ug/Kg	10/21/25 22:53	PB170180
207-08-9	Benzo(k)fluoranthene	320	U	1	41.9	320	ug/Kg	10/21/25 22:53	PB170180
50-32-8	Benzo(a)pyrene	170	J	1	55.1	320	ug/Kg	10/21/25 22:53	PB170180
193-39-5	Indeno(1,2,3-cd)pyrene	320	UQ	1	54.4	320	ug/Kg	10/21/25 22:53	PB170180
53-70-3	Dibenzo(a,h)anthracene	320	U	1	51.2	320	ug/Kg	10/21/25 22:53	PB170180
191-24-2	Benzo(g,h,i)perylene	320	UQ	1	48.0	320	ug/Kg	10/21/25 22:53	PB170180
95-94-3	1,2,4,5-Tetrachlorobenzene	320	U	1	47.8	320	ug/Kg	10/21/25 22:53	PB170180
123-91-1	1,4-Dioxane	320	U	1	84.5	320	ug/Kg	10/21/25 22:53	PB170180
58-90-2	2,3,4,6-Tetrachlorophenol	320	U	1	51.2	320	ug/Kg	10/21/25 22:53	PB170180

SURROGATES

367-12-4	2-Fluorophenol	80.9		18 - 112	54%	SPK: 150
13127-88-3	Phenol-d6	78.7		15 - 107	52%	SPK: 150
4165-60-0	Nitrobenzene-d5	55.2		18 - 107	55%	SPK: 100
321-60-8	2-Fluorobiphenyl	52.2		20 - 109	52%	SPK: 100
118-79-6	2,4,6-Tribromophenol	68.4		10 - 116	46%	SPK: 150
1718-51-0	Terphenyl-d14	35.0		10 - 105	35%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	104000
1146-65-2	Naphthalene-d8	375000
15067-26-2	Acenaphthene-d10	177000
1517-22-2	Phenanthrene-d10	261000
1719-03-5	Chrysene-d12	242000
1520-96-3	Perylene-d12	289000

TENTATIVE IDENTIFIED COMPOUNDS

004292-92-6	Cyclohexane, pentyl-	250	J	7.78	ug/Kg
017301-23-4	Undecane, 2,6-dimethyl-	380	J	8.22	ug/Kg

Report of Analysis

Client:	AECOM		Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/16/25
Client Sample ID:	PR132-S05-057082-20251016		SDG No.:	Q3376
Lab Sample ID:	Q3376-01		Matrix:	SOIL
Analytical Method:	8270E	Level : LOW	% Solid:	53.5
Sample Wt/Vol:	30.01 g	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C	Prep Date: 10/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
062016-34-6	Octane, 2,3,7-trimethyl-	920	J			8.58	ug/Kg		
003891-98-3	Dodecane, 2,6,10-trimethyl-	670	J			9.18	ug/Kg		
1010104-10-8	3-Methyl-4-(methoxycarbonyl)hexa-2	1000	J			10.6	ug/Kg		
000119-61-9	Benzophenone	420	J			10.6	ug/Kg		
055045-11-9	Tridecane, 5-propyl-	1600	J			10.8	ug/Kg		
000629-50-5	Tridecane	840	J			11.3	ug/Kg		
000057-10-3	n-Hexadecanoic acid	280	J			11.9	ug/Kg		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-DP01-20251016
Lab Sample ID: Q3376-02
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 30.04 g Final Vol: 1000 uL
Prep Method : SW3510C Prep Date: 10/21/25

Date Collected: 10/16/25
Date Received: 10/16/25
SDG No.: Q3376
Matrix: SOIL
% Solid: 53.6
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	610	U	1	290	610	ug/Kg	10/21/25 23:22	PB170180
108-95-2	Phenol	320	U	1	41.2	320	ug/Kg	10/21/25 23:22	PB170180
111-44-4	bis(2-Chloroethyl)ether	320	U	1	45.3	320	ug/Kg	10/21/25 23:22	PB170180
95-57-8	2-Chlorophenol	320	U	1	45.5	320	ug/Kg	10/21/25 23:22	PB170180
95-48-7	2-Methylphenol	320	U	1	55.7	320	ug/Kg	10/21/25 23:22	PB170180
108-60-1	2,2-oxybis(1-Chloropropane)	320	U	1	69.9	320	ug/Kg	10/21/25 23:22	PB170180
98-86-2	Acetophenone	320	U	1	55.0	320	ug/Kg	10/21/25 23:22	PB170180
65794-96-9	3+4-Methylphenols	610	U	1	76.6	610	ug/Kg	10/21/25 23:22	PB170180
621-64-7	n-Nitroso-di-n-propylamine	150	U	1	88.3	150	ug/Kg	10/21/25 23:22	PB170180
67-72-1	Hexachloroethane	320	U	1	32.8	320	ug/Kg	10/21/25 23:22	PB170180
98-95-3	Nitrobenzene	320	U	1	34.1	320	ug/Kg	10/21/25 23:22	PB170180
78-59-1	Isophorone	320	U	1	61.1	320	ug/Kg	10/21/25 23:22	PB170180
88-75-5	2-Nitrophenol	320	U	1	110	320	ug/Kg	10/21/25 23:22	PB170180
105-67-9	2,4-Dimethylphenol	320	U	1	120	320	ug/Kg	10/21/25 23:22	PB170180
111-91-1	bis(2-Chloroethoxy)methane	320	U	1	57.4	320	ug/Kg	10/21/25 23:22	PB170180
120-83-2	2,4-Dichlorophenol	320	U	1	52.7	320	ug/Kg	10/21/25 23:22	PB170180
91-20-3	Naphthalene	320	U	1	42.3	320	ug/Kg	10/21/25 23:22	PB170180
106-47-8	4-Chloroaniline	320	U	1	66.0	320	ug/Kg	10/21/25 23:22	PB170180
87-68-3	Hexachlorobutadiene	320	U	1	47.1	320	ug/Kg	10/21/25 23:22	PB170180
105-60-2	Caprolactam	610	U	1	97.1	610	ug/Kg	10/21/25 23:22	PB170180
59-50-7	4-Chloro-3-methylphenol	320	U	1	53.5	320	ug/Kg	10/21/25 23:22	PB170180
91-57-6	2-Methylnaphthalene	320	U	1	47.7	320	ug/Kg	10/21/25 23:22	PB170180
77-47-4	Hexachlorocyclopentadiene	610	U	1	220	610	ug/Kg	10/21/25 23:22	PB170180
88-06-2	2,4,6-Trichlorophenol	320	U	1	36.9	320	ug/Kg	10/21/25 23:22	PB170180
95-95-4	2,4,5-Trichlorophenol	320	U	1	54.2	320	ug/Kg	10/21/25 23:22	PB170180
92-52-4	1,1-Biphenyl	320	U	1	40.6	320	ug/Kg	10/21/25 23:22	PB170180
91-58-7	2-Chloronaphthalene	320	U	1	41.9	320	ug/Kg	10/21/25 23:22	PB170180
88-74-4	2-Nitroaniline	320	U	1	89.6	320	ug/Kg	10/21/25 23:22	PB170180
131-11-3	Dimethylphthalate	320	U	1	50.5	320	ug/Kg	10/21/25 23:22	PB170180
208-96-8	Acenaphthylene	320	U	1	53.8	320	ug/Kg	10/21/25 23:22	PB170180
606-20-2	2,6-Dinitrotoluene	320	UQ	1	62.6	320	ug/Kg	10/21/25 23:22	PB170180
99-09-2	3-Nitroaniline	320	U	1	85.7	320	ug/Kg	10/21/25 23:22	PB170180
83-32-9	Acenaphthene	320	U	1	39.7	320	ug/Kg	10/21/25 23:22	PB170180
51-28-5	2,4-Dinitrophenol	610	U	1	430	610	ug/Kg	10/21/25 23:22	PB170180
100-02-7	4-Nitrophenol	610	U	1	200	610	ug/Kg	10/21/25 23:22	PB170180
132-64-9	Dibenzofuran	320	U	1	42.3	320	ug/Kg	10/21/25 23:22	PB170180
121-14-2	2,4-Dinitrotoluene	320	U	1	93.3	320	ug/Kg	10/21/25 23:22	PB170180
84-66-2	Diethylphthalate	320	U	1	52.7	320	ug/Kg	10/21/25 23:22	PB170180
7005-72-3	4-Chlorophenyl-phenylether	320	U	1	49.7	320	ug/Kg	10/21/25 23:22	PB170180
86-73-7	Fluorene	320	U	1	47.1	320	ug/Kg	10/21/25 23:22	PB170180
100-01-6	4-Nitroaniline	320	U	1	120	320	ug/Kg	10/21/25 23:22	PB170180
534-52-1	4,6-Dinitro-2-methylphenol	610	U	1	190	610	ug/Kg	10/21/25 23:22	PB170180

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-DP01-20251016
Lab Sample ID: Q3376-02
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 30.04 g Final Vol: 1000 uL
Prep Method : SW3510C Prep Date: 10/21/25

Date Collected: 10/16/25
Date Received: 10/16/25
SDG No.: Q3376
Matrix: SOIL
% Solid: 53.6
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	320	U	1	61.3	320	ug/Kg	10/21/25 23:22	PB170180
101-55-3	4-Bromophenyl-phenylether	320	U	1	51.8	320	ug/Kg	10/21/25 23:22	PB170180
118-74-1	Hexachlorobenzene	320	U	1	47.1	320	ug/Kg	10/21/25 23:22	PB170180
1912-24-9	Atrazine	320	U	1	63.3	320	ug/Kg	10/21/25 23:22	PB170180
87-86-5	Pentachlorophenol	610	U	1	95.6	610	ug/Kg	10/21/25 23:22	PB170180
85-01-8	Phenanthrene	320	U	1	38.9	320	ug/Kg	10/21/25 23:22	PB170180
120-12-7	Anthracene	320	U	1	62.0	320	ug/Kg	10/21/25 23:22	PB170180
86-74-8	Carbazole	320	U	1	58.1	320	ug/Kg	10/21/25 23:22	PB170180
84-74-2	Di-n-butylphthalate	320	U	1	89.2	320	ug/Kg	10/21/25 23:22	PB170180
206-44-0	Fluoranthene	210	J	1	55.9	320	ug/Kg	10/21/25 23:22	PB170180
129-00-0	Pyrene	160	J	1	67.1	320	ug/Kg	10/21/25 23:22	PB170180
85-68-7	Butylbenzylphthalate	320	U	1	130	320	ug/Kg	10/21/25 23:22	PB170180
91-94-1	3,3-Dichlorobenzidine	610	U	1	68.4	610	ug/Kg	10/21/25 23:22	PB170180
56-55-3	Benzo(a)anthracene	320	U	1	42.9	320	ug/Kg	10/21/25 23:22	PB170180
218-01-9	Chrysene	320	U	1	37.1	320	ug/Kg	10/21/25 23:22	PB170180
117-81-7	Bis(2-ethylhexyl)phthalate	320	U	1	110	320	ug/Kg	10/21/25 23:22	PB170180
117-84-0	Di-n-octyl phthalate	610	U	1	160	610	ug/Kg	10/21/25 23:22	PB170180
205-99-2	Benzo(b)fluoranthene	130	J	1	35.4	320	ug/Kg	10/21/25 23:22	PB170180
207-08-9	Benzo(k)fluoranthene	320	U	1	41.7	320	ug/Kg	10/21/25 23:22	PB170180
50-32-8	Benzo(a)pyrene	320	U	1	55.0	320	ug/Kg	10/21/25 23:22	PB170180
193-39-5	Indeno(1,2,3-cd)pyrene	320	UQ	1	54.2	320	ug/Kg	10/21/25 23:22	PB170180
53-70-3	Dibenzo(a,h)anthracene	320	U	1	51.1	320	ug/Kg	10/21/25 23:22	PB170180
191-24-2	Benzo(g,h,i)perylene	320	UQ	1	47.9	320	ug/Kg	10/21/25 23:22	PB170180
95-94-3	1,2,4,5-Tetrachlorobenzene	320	U	1	47.7	320	ug/Kg	10/21/25 23:22	PB170180
123-91-1	1,4-Dioxane	320	U	1	84.2	320	ug/Kg	10/21/25 23:22	PB170180
58-90-2	2,3,4,6-Tetrachlorophenol	320	U	1	51.1	320	ug/Kg	10/21/25 23:22	PB170180

SURROGATES

367-12-4	2-Fluorophenol	89.0		18 - 112	59%	SPK: 150
13127-88-3	Phenol-d6	86.3		15 - 107	58%	SPK: 150
4165-60-0	Nitrobenzene-d5	60.5		18 - 107	61%	SPK: 100
321-60-8	2-Fluorobiphenyl	55.2		20 - 109	55%	SPK: 100
118-79-6	2,4,6-Tribromophenol	73.9		10 - 116	49%	SPK: 150
1718-51-0	Terphenyl-d14	38.6		10 - 105	39%	SPK: 100

INTERNAL STANDARDS

	Area Count
3855-82-1 1,4-Dichlorobenzene-d4	103000
1146-65-2 Naphthalene-d8	370000
15067-26-2 Acenaphthene-d10	183000
1517-22-2 Phenanthrene-d10	277000
1719-03-5 Chrysene-d12	262000
1520-96-3 Perylene-d12	302000

TENTATIVE IDENTIFIED COMPOUNDS

004292-92-6 Cyclohexane, pentyl-	230	J	7.78	ug/Kg
031295-56-4 Dodecane, 2,6,11-trimethyl-	530	J	9.18	ug/Kg

Report of Analysis

Client:	AECOM		Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/16/25
Client Sample ID:	PR132-DP01-20251016		SDG No.:	Q3376
Lab Sample ID:	Q3376-02		Matrix:	SOIL
Analytical Method:	8270E	Level : LOW	% Solid:	53.6
Sample Wt/Vol:	30.04 g	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C	Prep Date: 10/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
000119-61-9	Benzophenone	430	J			10.6	ug/Kg		
055045-11-9	Tridecane, 5-propyl-	1300	J			10.8	ug/Kg		
000629-50-5	Tridecane	680	J			11.3	ug/Kg		
000638-53-9	Tridecanoic acid	310	J			11.9	ug/Kg		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-COMP2-20251016
Lab Sample ID: Q3376-03
Analytical Method: 8270E Level: LOW
Sample Wt/Vol: 30.08 g Final Vol: 1000 uL
Prep Method: SW3510C Prep Date: 10/21/25

Date Collected: 10/16/25
Date Received: 10/16/25
SDG No.: Q3376
Matrix: SOIL
% Solid: 52.7
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	620	U	1	300	620	ug/Kg	10/22/25 13:53	PB170180
108-95-2	Phenol	320	U	1	41.8	320	ug/Kg	10/22/25 13:53	PB170180
111-44-4	bis(2-Chloroethyl)ether	320	U	1	46.0	320	ug/Kg	10/22/25 13:53	PB170180
95-57-8	2-Chlorophenol	320	U	1	46.2	320	ug/Kg	10/22/25 13:53	PB170180
95-48-7	2-Methylphenol	320	U	1	56.6	320	ug/Kg	10/22/25 13:53	PB170180
108-60-1	2,2-oxybis(1-Chloropropane)	320	U	1	71.0	320	ug/Kg	10/22/25 13:53	PB170180
98-86-2	Acetophenone	320	U	1	55.8	320	ug/Kg	10/22/25 13:53	PB170180
65794-96-9	3+4-Methylphenols	620	U	1	77.8	620	ug/Kg	10/22/25 13:53	PB170180
621-64-7	n-Nitroso-di-n-propylamine	150	U	1	89.7	150	ug/Kg	10/22/25 13:53	PB170180
67-72-1	Hexachloroethane	320	U	1	33.3	320	ug/Kg	10/22/25 13:53	PB170180
98-95-3	Nitrobenzene	320	U	1	34.6	320	ug/Kg	10/22/25 13:53	PB170180
78-59-1	Isophorone	320	U	1	62.1	320	ug/Kg	10/22/25 13:53	PB170180
88-75-5	2-Nitrophenol	320	U	1	110	320	ug/Kg	10/22/25 13:53	PB170180
105-67-9	2,4-Dimethylphenol	320	U	1	120	320	ug/Kg	10/22/25 13:53	PB170180
111-91-1	bis(2-Chloroethoxy)methane	320	U	1	58.3	320	ug/Kg	10/22/25 13:53	PB170180
120-83-2	2,4-Dichlorophenol	320	U	1	53.6	320	ug/Kg	10/22/25 13:53	PB170180
91-20-3	Naphthalene	320	U	1	43.0	320	ug/Kg	10/22/25 13:53	PB170180
106-47-8	4-Chloroaniline	320	U	1	67.0	320	ug/Kg	10/22/25 13:53	PB170180
87-68-3	Hexachlorobutadiene	320	U	1	47.9	320	ug/Kg	10/22/25 13:53	PB170180
105-60-2	Caprolactam	620	U	1	98.6	620	ug/Kg	10/22/25 13:53	PB170180
59-50-7	4-Chloro-3-methylphenol	320	U	1	54.3	320	ug/Kg	10/22/25 13:53	PB170180
91-57-6	2-Methylnaphthalene	320	U	1	48.4	320	ug/Kg	10/22/25 13:53	PB170180
77-47-4	Hexachlorocyclopentadiene	620	U	1	220	620	ug/Kg	10/22/25 13:53	PB170180
88-06-2	2,4,6-Trichlorophenol	320	U	1	37.5	320	ug/Kg	10/22/25 13:53	PB170180
95-95-4	2,4,5-Trichlorophenol	320	U	1	55.1	320	ug/Kg	10/22/25 13:53	PB170180
92-52-4	1,1-Biphenyl	320	U	1	41.3	320	ug/Kg	10/22/25 13:53	PB170180
91-58-7	2-Chloronaphthalene	320	U	1	42.6	320	ug/Kg	10/22/25 13:53	PB170180
88-74-4	2-Nitroaniline	320	U	1	91.0	320	ug/Kg	10/22/25 13:53	PB170180
131-11-3	Dimethylphthalate	320	U	1	51.3	320	ug/Kg	10/22/25 13:53	PB170180
208-96-8	Acenaphthylene	320	U	1	54.7	320	ug/Kg	10/22/25 13:53	PB170180
606-20-2	2,6-Dinitrotoluene	320	UQ	1	63.6	320	ug/Kg	10/22/25 13:53	PB170180
99-09-2	3-Nitroaniline	320	U	1	87.1	320	ug/Kg	10/22/25 13:53	PB170180
83-32-9	Acenaphthene	320	U	1	40.3	320	ug/Kg	10/22/25 13:53	PB170180
51-28-5	2,4-Dinitrophenol	620	U	1	430	620	ug/Kg	10/22/25 13:53	PB170180
100-02-7	4-Nitrophenol	620	U	1	200	620	ug/Kg	10/22/25 13:53	PB170180
132-64-9	Dibenzofuran	320	U	1	43.0	320	ug/Kg	10/22/25 13:53	PB170180
121-14-2	2,4-Dinitrotoluene	320	U	1	94.8	320	ug/Kg	10/22/25 13:53	PB170180
84-66-2	Diethylphthalate	320	U	1	53.6	320	ug/Kg	10/22/25 13:53	PB170180
7005-72-3	4-Chlorophenyl-phenylether	320	U	1	50.5	320	ug/Kg	10/22/25 13:53	PB170180
86-73-7	Fluorene	320	U	1	47.9	320	ug/Kg	10/22/25 13:53	PB170180
100-01-6	4-Nitroaniline	320	U	1	120	320	ug/Kg	10/22/25 13:53	PB170180
534-52-1	4,6-Dinitro-2-methylphenol	620	U	1	190	620	ug/Kg	10/22/25 13:53	PB170180

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-COMP2-20251016
Lab Sample ID: Q3376-03
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 30.08 g Final Vol: 1000 uL
Prep Method : SW3510C Prep Date: 10/21/25

Date Collected: 10/16/25
Date Received: 10/16/25
SDG No.: Q3376
Matrix: SOIL
% Solid: 52.7
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	320	U	1	62.3	320	ug/Kg	10/22/25 13:53	PB170180
101-55-3	4-Bromophenyl-phenylether	320	U	1	52.6	320	ug/Kg	10/22/25 13:53	PB170180
118-74-1	Hexachlorobenzene	320	U	1	47.9	320	ug/Kg	10/22/25 13:53	PB170180
1912-24-9	Atrazine	320	U	1	64.3	320	ug/Kg	10/22/25 13:53	PB170180
87-86-5	Pentachlorophenol	620	U	1	97.1	620	ug/Kg	10/22/25 13:53	PB170180
85-01-8	Phenanthrene	320	U	1	39.6	320	ug/Kg	10/22/25 13:53	PB170180
120-12-7	Anthracene	320	U	1	63.0	320	ug/Kg	10/22/25 13:53	PB170180
86-74-8	Carbazole	320	U	1	59.0	320	ug/Kg	10/22/25 13:53	PB170180
84-74-2	Di-n-butylphthalate	320	U	1	90.7	320	ug/Kg	10/22/25 13:53	PB170180
206-44-0	Fluoranthene	320	U	1	56.8	320	ug/Kg	10/22/25 13:53	PB170180
129-00-0	Pyrene	320	U	1	68.1	320	ug/Kg	10/22/25 13:53	PB170180
85-68-7	Butylbenzylphthalate	320	U	1	140	320	ug/Kg	10/22/25 13:53	PB170180
91-94-1	3,3-Dichlorobenzidine	620	U	1	69.5	620	ug/Kg	10/22/25 13:53	PB170180
56-55-3	Benzo(a)anthracene	320	U	1	43.5	320	ug/Kg	10/22/25 13:53	PB170180
218-01-9	Chrysene	320	U	1	37.7	320	ug/Kg	10/22/25 13:53	PB170180
117-81-7	Bis(2-ethylhexyl)phthalate	320	U	1	110	320	ug/Kg	10/22/25 13:53	PB170180
117-84-0	Di-n-octyl phthalate	620	U	1	160	620	ug/Kg	10/22/25 13:53	PB170180
205-99-2	Benzo(b)fluoranthene	320	U	1	36.0	320	ug/Kg	10/22/25 13:53	PB170180
207-08-9	Benzo(k)fluoranthene	320	U	1	42.4	320	ug/Kg	10/22/25 13:53	PB170180
50-32-8	Benzo(a)pyrene	320	U	1	55.8	320	ug/Kg	10/22/25 13:53	PB170180
193-39-5	Indeno(1,2,3-cd)pyrene	320	UQ	1	55.1	320	ug/Kg	10/22/25 13:53	PB170180
53-70-3	Dibenzo(a,h)anthracene	320	U	1	51.9	320	ug/Kg	10/22/25 13:53	PB170180
191-24-2	Benzo(g,h,i)perylene	320	UQ	1	48.6	320	ug/Kg	10/22/25 13:53	PB170180
95-94-3	1,2,4,5-Tetrachlorobenzene	320	U	1	48.4	320	ug/Kg	10/22/25 13:53	PB170180
123-91-1	1,4-Dioxane	320	U	1	85.5	320	ug/Kg	10/22/25 13:53	PB170180
58-90-2	2,3,4,6-Tetrachlorophenol	320	U	1	51.9	320	ug/Kg	10/22/25 13:53	PB170180

SURROGATES

367-12-4	2-Fluorophenol	42.9		18 - 112	29%	SPK: 150
13127-88-3	Phenol-d6	40.2		15 - 107	27%	SPK: 150
4165-60-0	Nitrobenzene-d5	27.1		18 - 107	27%	SPK: 100
321-60-8	2-Fluorobiphenyl	21.7		20 - 109	22%	SPK: 100
118-79-6	2,4,6-Tribromophenol	28.4		10 - 116	19%	SPK: 150
1718-51-0	Terphenyl-d14	22.2		10 - 105	22%	SPK: 100

INTERNAL STANDARDS

	Area Count
3855-82-1 1,4-Dichlorobenzene-d4	91100
1146-65-2 Naphthalene-d8	322000
15067-26-2 Acenaphthene-d10	162000
1517-22-2 Phenanthrene-d10	265000
1719-03-5 Chrysene-d12	232000
1520-96-3 Perylene-d12	277000

TENTATIVE IDENTIFIED COMPOUNDS

003891-98-3	Dodecane, 2,6,10-trimethyl-	130	J	9.18	ug/Kg
000119-61-9	Benzophenone	190	J	10.6	ug/Kg

Report of Analysis

Client:	AECOM		Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/16/25
Client Sample ID:	PR132-COMP2-20251016		SDG No.:	Q3376
Lab Sample ID:	Q3376-03		Matrix:	SOIL
Analytical Method:	8270E	Level : LOW	% Solid:	52.7
Sample Wt/Vol:	30.08 g	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C	Prep Date: 10/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
000112-04-9	Silane, trichlorooctadecyl-	200	J			11.3	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

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-S12-047072-20251016
Lab Sample ID: Q3376-04
Analytical Method: 8270E Level: LOW
Sample Wt/Vol: 30.07 g Final Vol: 1000 uL
Prep Method: SW3510C Prep Date: 10/21/25

Date Collected: 10/16/25
Date Received: 10/16/25
SDG No.: Q3376
Matrix: SOIL
% Solid: 51.3
Test: SVOC-TCL BNA -20

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	10/22/25 14:22	PB170180
108-95-2	Phenol	330	U	1	43.0	330	ug/Kg	10/22/25 14:22	PB170180
111-44-4	bis(2-Chloroethyl)ether	330	U	1	47.3	330	ug/Kg	10/22/25 14:22	PB170180
95-57-8	2-Chlorophenol	330	U	1	47.5	330	ug/Kg	10/22/25 14:22	PB170180
95-48-7	2-Methylphenol	330	U	1	58.1	330	ug/Kg	10/22/25 14:22	PB170180
108-60-1	2,2-oxybis(1-Chloropropane)	330	U	1	72.9	330	ug/Kg	10/22/25 14:22	PB170180
98-86-2	Acetophenone	330	U	1	57.4	330	ug/Kg	10/22/25 14:22	PB170180
65794-96-9	3+4-Methylphenols	640	U	1	79.9	640	ug/Kg	10/22/25 14:22	PB170180
621-64-7	n-Nitroso-di-n-propylamine	160	U	1	92.2	160	ug/Kg	10/22/25 14:22	PB170180
67-72-1	Hexachloroethane	330	U	1	34.2	330	ug/Kg	10/22/25 14:22	PB170180
98-95-3	Nitrobenzene	330	U	1	35.6	330	ug/Kg	10/22/25 14:22	PB170180
78-59-1	Isophorone	330	U	1	63.8	330	ug/Kg	10/22/25 14:22	PB170180
88-75-5	2-Nitrophenol	330	U	1	110	330	ug/Kg	10/22/25 14:22	PB170180
105-67-9	2,4-Dimethylphenol	330	U	1	130	330	ug/Kg	10/22/25 14:22	PB170180
111-91-1	bis(2-Chloroethoxy)methane	330	U	1	59.9	330	ug/Kg	10/22/25 14:22	PB170180
120-83-2	2,4-Dichlorophenol	330	U	1	55.0	330	ug/Kg	10/22/25 14:22	PB170180
91-20-3	Naphthalene	330	U	1	44.1	330	ug/Kg	10/22/25 14:22	PB170180
106-47-8	4-Chloroaniline	330	U	1	68.8	330	ug/Kg	10/22/25 14:22	PB170180
87-68-3	Hexachlorobutadiene	330	U	1	49.2	330	ug/Kg	10/22/25 14:22	PB170180
105-60-2	Caprolactam	640	U	1	100	640	ug/Kg	10/22/25 14:22	PB170180
59-50-7	4-Chloro-3-methylphenol	330	U	1	55.8	330	ug/Kg	10/22/25 14:22	PB170180
91-57-6	2-Methylnaphthalene	330	U	1	49.8	330	ug/Kg	10/22/25 14:22	PB170180
77-47-4	Hexachlorocyclopentadiene	640	U	1	230	640	ug/Kg	10/22/25 14:22	PB170180
88-06-2	2,4,6-Trichlorophenol	330	U	1	38.5	330	ug/Kg	10/22/25 14:22	PB170180
95-95-4	2,4,5-Trichlorophenol	330	U	1	56.6	330	ug/Kg	10/22/25 14:22	PB170180
92-52-4	1,1-Biphenyl	330	U	1	42.4	330	ug/Kg	10/22/25 14:22	PB170180
91-58-7	2-Chloronaphthalene	330	U	1	43.8	330	ug/Kg	10/22/25 14:22	PB170180
88-74-4	2-Nitroaniline	330	U	1	93.5	330	ug/Kg	10/22/25 14:22	PB170180
131-11-3	Dimethylphthalate	330	U	1	52.7	330	ug/Kg	10/22/25 14:22	PB170180
208-96-8	Acenaphthylene	330	U	1	56.2	330	ug/Kg	10/22/25 14:22	PB170180
606-20-2	2,6-Dinitrotoluene	330	UQ	1	65.3	330	ug/Kg	10/22/25 14:22	PB170180
99-09-2	3-Nitroaniline	330	U	1	89.5	330	ug/Kg	10/22/25 14:22	PB170180
83-32-9	Acenaphthene	330	U	1	41.4	330	ug/Kg	10/22/25 14:22	PB170180
51-28-5	2,4-Dinitrophenol	640	U	1	450	640	ug/Kg	10/22/25 14:22	PB170180
100-02-7	4-Nitrophenol	640	U	1	210	640	ug/Kg	10/22/25 14:22	PB170180
132-64-9	Dibenzofuran	330	U	1	44.1	330	ug/Kg	10/22/25 14:22	PB170180
121-14-2	2,4-Dinitrotoluene	330	U	1	97.4	330	ug/Kg	10/22/25 14:22	PB170180
84-66-2	Diethylphthalate	330	U	1	55.0	330	ug/Kg	10/22/25 14:22	PB170180
7005-72-3	4-Chlorophenyl-phenylether	330	U	1	51.9	330	ug/Kg	10/22/25 14:22	PB170180
86-73-7	Fluorene	330	U	1	49.2	330	ug/Kg	10/22/25 14:22	PB170180
100-01-6	4-Nitroaniline	330	U	1	120	330	ug/Kg	10/22/25 14:22	PB170180
534-52-1	4,6-Dinitro-2-methylphenol	640	U	1	200	640	ug/Kg	10/22/25 14:22	PB170180

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-S12-047072-20251016
Lab Sample ID: Q3376-04
Analytical Method: 8270E Level: LOW
Sample Wt/Vol: 30.07 g Final Vol: 1000 uL
Prep Method: SW3510C Prep Date: 10/21/25

Date Collected: 10/16/25
Date Received: 10/16/25
SDG No.: Q3376
Matrix: SOIL
% Solid: 51.3
Test: SVOC-TCL BNA -20

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	10/22/25 14:22	PB170180
101-55-3	4-Bromophenyl-phenylether	330	U	1	54.1	330	ug/Kg	10/22/25 14:22	PB170180
118-74-1	Hexachlorobenzene	330	U	1	49.2	330	ug/Kg	10/22/25 14:22	PB170180
1912-24-9	Atrazine	330	U	1	66.1	330	ug/Kg	10/22/25 14:22	PB170180
87-86-5	Pentachlorophenol	640	U	1	99.8	640	ug/Kg	10/22/25 14:22	PB170180
85-01-8	Phenanthrene	330	U	1	40.6	330	ug/Kg	10/22/25 14:22	PB170180
120-12-7	Anthracene	330	U	1	64.8	330	ug/Kg	10/22/25 14:22	PB170180
86-74-8	Carbazole	330	U	1	60.7	330	ug/Kg	10/22/25 14:22	PB170180
84-74-2	Di-n-butylphthalate	330	U	1	93.2	330	ug/Kg	10/22/25 14:22	PB170180
206-44-0	Fluoranthene	330	U	1	58.3	330	ug/Kg	10/22/25 14:22	PB170180
129-00-0	Pyrene	330	U	1	70.0	330	ug/Kg	10/22/25 14:22	PB170180
85-68-7	Butylbenzylphthalate	330	U	1	140	330	ug/Kg	10/22/25 14:22	PB170180
91-94-1	3,3-Dichlorobenzidine	640	U	1	71.4	640	ug/Kg	10/22/25 14:22	PB170180
56-55-3	Benzo(a)anthracene	330	U	1	44.7	330	ug/Kg	10/22/25 14:22	PB170180
218-01-9	Chrysene	330	U	1	38.7	330	ug/Kg	10/22/25 14:22	PB170180
117-81-7	Bis(2-ethylhexyl)phthalate	330	U	1	120	330	ug/Kg	10/22/25 14:22	PB170180
117-84-0	Di-n-octyl phthalate	640	U	1	170	640	ug/Kg	10/22/25 14:22	PB170180
205-99-2	Benzo(b)fluoranthene	330	U	1	37.0	330	ug/Kg	10/22/25 14:22	PB170180
207-08-9	Benzo(k)fluoranthene	330	U	1	43.6	330	ug/Kg	10/22/25 14:22	PB170180
50-32-8	Benzo(a)pyrene	330	U	1	57.4	330	ug/Kg	10/22/25 14:22	PB170180
193-39-5	Indeno(1,2,3-cd)pyrene	330	UQ	1	56.6	330	ug/Kg	10/22/25 14:22	PB170180
53-70-3	Dibenzo(a,h)anthracene	330	U	1	53.3	330	ug/Kg	10/22/25 14:22	PB170180
191-24-2	Benzo(g,h,i)perylene	330	UQ	1	50.0	330	ug/Kg	10/22/25 14:22	PB170180
95-94-3	1,2,4,5-Tetrachlorobenzene	330	U	1	49.8	330	ug/Kg	10/22/25 14:22	PB170180
123-91-1	1,4-Dioxane	330	U	1	87.9	330	ug/Kg	10/22/25 14:22	PB170180
58-90-2	2,3,4,6-Tetrachlorophenol	330	U	1	53.3	330	ug/Kg	10/22/25 14:22	PB170180

SURROGATES

367-12-4	2-Fluorophenol	34.8		18 - 112	23%	SPK: 150
13127-88-3	Phenol-d6	33.2		15 - 107	22%	SPK: 150
4165-60-0	Nitrobenzene-d5	22.6		18 - 107	23%	SPK: 100
321-60-8	2-Fluorobiphenyl	22.8		20 - 109	23%	SPK: 100
118-79-6	2,4,6-Tribromophenol	43.4		10 - 116	29%	SPK: 150
1718-51-0	Terphenyl-d14	24.1		10 - 105	24%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	70900
1146-65-2	Naphthalene-d8	251000
15067-26-2	Acenaphthene-d10	130000
1517-22-2	Phenanthrene-d10	213000
1719-03-5	Chrysene-d12	243000
1520-96-3	Perylene-d12	287000

TENTATIVE IDENTIFIED COMPOUNDS

000119-61-9	Benzophenone	290	J	10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	140	J	11.9	ug/Kg

Report of Analysis

Client:	AECOM		Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/16/25
Client Sample ID:	PR132-S12-047072-20251016		SDG No.:	Q3376
Lab Sample ID:	Q3376-04		Matrix:	SOIL
Analytical Method:	8270E	Level : LOW	% Solid:	51.3
Sample Wt/Vol:	30.07 g	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C	Prep Date: 10/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-S12-020047-20251016
Lab Sample ID: Q3376-05
Analytical Method: 8270E Level: LOW
Sample Wt/Vol: 30.02 g Final Vol: 1000 uL
Prep Method: SW3510C Prep Date: 10/21/25

Date Collected: 10/16/25
Date Received: 10/16/25
SDG No.: Q3376
Matrix: SOIL
% Solid: 66.8
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	490	U	1	230	490	ug/Kg	10/28/25 19:57	PB170180
108-95-2	Phenol	250	U	1	33.1	250	ug/Kg	10/28/25 19:57	PB170180
111-44-4	bis(2-Chloroethyl)ether	250	U	1	36.4	250	ug/Kg	10/28/25 19:57	PB170180
95-57-8	2-Chlorophenol	250	U	1	36.5	250	ug/Kg	10/28/25 19:57	PB170180
95-48-7	2-Methylphenol	250	U	1	44.7	250	ug/Kg	10/28/25 19:57	PB170180
108-60-1	2,2-oxybis(1-Chloropropane)	250	U	1	56.1	250	ug/Kg	10/28/25 19:57	PB170180
98-86-2	Acetophenone	250	U	1	44.1	250	ug/Kg	10/28/25 19:57	PB170180
65794-96-9	3+4-Methylphenols	490	U	1	61.5	490	ug/Kg	10/28/25 19:57	PB170180
621-64-7	n-Nitroso-di-n-propylamine	120	U	1	70.9	120	ug/Kg	10/28/25 19:57	PB170180
67-72-1	Hexachloroethane	250	U	1	26.3	250	ug/Kg	10/28/25 19:57	PB170180
98-95-3	Nitrobenzene	250	U	1	27.4	250	ug/Kg	10/28/25 19:57	PB170180
78-59-1	Isophorone	250	U	1	49.1	250	ug/Kg	10/28/25 19:57	PB170180
88-75-5	2-Nitrophenol	250	U	1	87.1	250	ug/Kg	10/28/25 19:57	PB170180
105-67-9	2,4-Dimethylphenol	250	U	1	96.9	250	ug/Kg	10/28/25 19:57	PB170180
111-91-1	bis(2-Chloroethoxy)methane	250	U	1	46.1	250	ug/Kg	10/28/25 19:57	PB170180
120-83-2	2,4-Dichlorophenol	250	U	1	42.3	250	ug/Kg	10/28/25 19:57	PB170180
91-20-3	Naphthalene	250	U	1	34.0	250	ug/Kg	10/28/25 19:57	PB170180
106-47-8	4-Chloroaniline	250	U	1	53.0	250	ug/Kg	10/28/25 19:57	PB170180
87-68-3	Hexachlorobutadiene	250	U	1	37.8	250	ug/Kg	10/28/25 19:57	PB170180
105-60-2	Caprolactam	490	U	1	77.9	490	ug/Kg	10/28/25 19:57	PB170180
59-50-7	4-Chloro-3-methylphenol	250	U	1	42.9	250	ug/Kg	10/28/25 19:57	PB170180
91-57-6	2-Methylnaphthalene	250	U	1	38.3	250	ug/Kg	10/28/25 19:57	PB170180
77-47-4	Hexachlorocyclopentadiene	490	U	1	170	490	ug/Kg	10/28/25 19:57	PB170180
88-06-2	2,4,6-Trichlorophenol	250	U	1	29.6	250	ug/Kg	10/28/25 19:57	PB170180
95-95-4	2,4,5-Trichlorophenol	250	U	1	43.5	250	ug/Kg	10/28/25 19:57	PB170180
92-52-4	1,1-Biphenyl	250	U	1	32.6	250	ug/Kg	10/28/25 19:57	PB170180
91-58-7	2-Chloronaphthalene	250	U	1	33.7	250	ug/Kg	10/28/25 19:57	PB170180
88-74-4	2-Nitroaniline	250	U	1	72.0	250	ug/Kg	10/28/25 19:57	PB170180
131-11-3	Dimethylphthalate	250	U	1	40.5	250	ug/Kg	10/28/25 19:57	PB170180
208-96-8	Acenaphthylene	250	U	1	43.2	250	ug/Kg	10/28/25 19:57	PB170180
606-20-2	2,6-Dinitrotoluene	250	UQ	1	50.3	250	ug/Kg	10/28/25 19:57	PB170180
99-09-2	3-Nitroaniline	250	U	1	68.8	250	ug/Kg	10/28/25 19:57	PB170180
83-32-9	Acenaphthene	250	U	1	31.9	250	ug/Kg	10/28/25 19:57	PB170180
51-28-5	2,4-Dinitrophenol	490	U	1	340	490	ug/Kg	10/28/25 19:57	PB170180
100-02-7	4-Nitrophenol	490	U	1	160	490	ug/Kg	10/28/25 19:57	PB170180
132-64-9	Dibenzofuran	250	U	1	34.0	250	ug/Kg	10/28/25 19:57	PB170180
121-14-2	2,4-Dinitrotoluene	250	U	1	75.0	250	ug/Kg	10/28/25 19:57	PB170180
84-66-2	Diethylphthalate	250	U	1	42.3	250	ug/Kg	10/28/25 19:57	PB170180
7005-72-3	4-Chlorophenyl-phenylether	250	U	1	39.9	250	ug/Kg	10/28/25 19:57	PB170180
86-73-7	Fluorene	250	U	1	37.8	250	ug/Kg	10/28/25 19:57	PB170180
100-01-6	4-Nitroaniline	250	U	1	96.0	250	ug/Kg	10/28/25 19:57	PB170180
534-52-1	4,6-Dinitro-2-methylphenol	490	U	1	150	490	ug/Kg	10/28/25 19:57	PB170180

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-S12-020047-20251016
Lab Sample ID: Q3376-05
Analytical Method: 8270E Level: LOW
Sample Wt/Vol: 30.02 g Final Vol: 1000 uL
Prep Method: SW3510C Prep Date: 10/21/25

Date Collected: 10/16/25
Date Received: 10/16/25
SDG No.: Q3376
Matrix: SOIL
% Solid: 66.8
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	250	U	1	49.2	250	ug/Kg	10/28/25 19:57	PB170180
101-55-3	4-Bromophenyl-phenylether	250	U	1	41.6	250	ug/Kg	10/28/25 19:57	PB170180
118-74-1	Hexachlorobenzene	250	U	1	37.8	250	ug/Kg	10/28/25 19:57	PB170180
1912-24-9	Atrazine	250	U	1	50.9	250	ug/Kg	10/28/25 19:57	PB170180
87-86-5	Pentachlorophenol	490	U	1	76.7	490	ug/Kg	10/28/25 19:57	PB170180
85-01-8	Phenanthrene	250	U	1	31.3	250	ug/Kg	10/28/25 19:57	PB170180
120-12-7	Anthracene	250	U	1	49.8	250	ug/Kg	10/28/25 19:57	PB170180
86-74-8	Carbazole	250	U	1	46.7	250	ug/Kg	10/28/25 19:57	PB170180
84-74-2	Di-n-butylphthalate	250	U	1	71.7	250	ug/Kg	10/28/25 19:57	PB170180
206-44-0	Fluoranthene	250	U	1	44.9	250	ug/Kg	10/28/25 19:57	PB170180
129-00-0	Pyrene	250	U	1	53.9	250	ug/Kg	10/28/25 19:57	PB170180
85-68-7	Butylbenzylphthalate	250	U	1	110	250	ug/Kg	10/28/25 19:57	PB170180
91-94-1	3,3-Dichlorobenzidine	490	U	1	54.9	490	ug/Kg	10/28/25 19:57	PB170180
56-55-3	Benzo(a)anthracene	250	U	1	34.4	250	ug/Kg	10/28/25 19:57	PB170180
218-01-9	Chrysene	250	U	1	29.8	250	ug/Kg	10/28/25 19:57	PB170180
117-81-7	Bis(2-ethylhexyl)phthalate	190	J	1	88.6	250	ug/Kg	10/28/25 19:57	PB170180
117-84-0	Di-n-octyl phthalate	490	U	1	130	490	ug/Kg	10/28/25 19:57	PB170180
205-99-2	Benzo(b)fluoranthene	250	U	1	28.4	250	ug/Kg	10/28/25 19:57	PB170180
207-08-9	Benzo(k)fluoranthene	250	U	1	33.5	250	ug/Kg	10/28/25 19:57	PB170180
50-32-8	Benzo(a)pyrene	250	U	1	44.1	250	ug/Kg	10/28/25 19:57	PB170180
193-39-5	Indeno(1,2,3-cd)pyrene	250	UQ	1	43.5	250	ug/Kg	10/28/25 19:57	PB170180
53-70-3	Dibenzo(a,h)anthracene	250	U	1	41.0	250	ug/Kg	10/28/25 19:57	PB170180
191-24-2	Benzo(g,h,i)perylene	250	UQ	1	38.4	250	ug/Kg	10/28/25 19:57	PB170180
95-94-3	1,2,4,5-Tetrachlorobenzene	250	U	1	38.3	250	ug/Kg	10/28/25 19:57	PB170180
123-91-1	1,4-Dioxane	250	U	1	67.6	250	ug/Kg	10/28/25 19:57	PB170180
58-90-2	2,3,4,6-Tetrachlorophenol	250	U	1	41.0	250	ug/Kg	10/28/25 19:57	PB170180

SURROGATES

367-12-4	2-Fluorophenol	55.4		18 - 112	37%	SPK: 150
13127-88-3	Phenol-d6	49.1		15 - 107	33%	SPK: 150
4165-60-0	Nitrobenzene-d5	34.5		18 - 107	35%	SPK: 100
321-60-8	2-Fluorobiphenyl	29.4		20 - 109	29%	SPK: 100
118-79-6	2,4,6-Tribromophenol	94.4		10 - 116	63%	SPK: 150
1718-51-0	Terphenyl-d14	50.5		10 - 105	50%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	37200
1146-65-2	Naphthalene-d8	140000
15067-26-2	Acenaphthene-d10	107000
1517-22-2	Phenanthrene-d10	250000
1719-03-5	Chrysene-d12	292000
1520-96-3	Perylene-d12	320000

TENTATIVE IDENTIFIED COMPOUNDS

000119-61-9	Benzophenone	370	J	16.2	ug/Kg
000057-10-3	n-Hexadecanoic acid	560	J	18.5	ug/Kg

Report of Analysis

Client:	AECOM		Date Collected:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/16/25
Client Sample ID:	PR132-S12-020047-20251016		SDG No.:	Q3376
Lab Sample ID:	Q3376-05		Matrix:	SOIL
Analytical Method:	8270E	Level : LOW	% Solid:	66.8
Sample Wt/Vol:	30.02 g	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C	Prep Date: 10/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
000629-73-2	Cetene	130	J			19.3	ug/Kg		
000112-88-9	1-Octadecene	150	J			20.4	ug/Kg		
000297-03-0	Cyclotetracosane	330	J			21.5	ug/Kg		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



QC SUMMARY

Surrogate Summary

SW-846

SDG No.: Q3376

Client: AECOM

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB170180BL	PB170180BL	2-Fluorophenol	150	130	86		18	112
		Phenol-d6	150	128	85		15	107
		Nitrobenzene-d5	100	97.5	98		18	107
		2-Fluorobiphenyl	100	86.5	86		20	109
		2,4,6-Tribromophenol	150	136	91		10	116
		Terphenyl-d14	100	102	102		10	105
PB170180BS	PB170180BS	2-Fluorophenol	150	116	78		18	112
		Phenol-d6	150	118	79		15	107
		Nitrobenzene-d5	100	87.1	87		18	107
		2-Fluorobiphenyl	100	79.6	80		20	109
		2,4,6-Tribromophenol	150	127	85		10	116
		Terphenyl-d14	100	95.9	96		10	105
Q3376-01	PR132-S05-057082-20251016	2-Fluorophenol	150	80.9	54		18	112
		Phenol-d6	150	78.7	52		15	107
		Nitrobenzene-d5	100	55.2	55		18	107
		2-Fluorobiphenyl	100	52.2	52		20	109
		2,4,6-Tribromophenol	150	68.4	46		10	116
		Terphenyl-d14	100	35.0	35		10	105
Q3376-02	PR132-DP01-20251016	2-Fluorophenol	150	89.0	59		18	112
		Phenol-d6	150	86.3	58		15	107
		Nitrobenzene-d5	100	60.5	61		18	107
		2-Fluorobiphenyl	100	55.2	55		20	109
		2,4,6-Tribromophenol	150	73.9	49		10	116
		Terphenyl-d14	100	38.6	39		10	105
Q3376-03	PR132-COMP2-20251016	2-Fluorophenol	150	42.9	29		18	112
		Phenol-d6	150	40.2	27		15	107
		Nitrobenzene-d5	100	27.1	27		18	107
		2-Fluorobiphenyl	100	21.7	22		20	109
		2,4,6-Tribromophenol	150	28.4	19		10	116
		Terphenyl-d14	100	22.2	22		10	105
Q3376-04	PR132-S12-047072-20251016	2-Fluorophenol	150	34.8	23		18	112
		Phenol-d6	150	33.2	22		15	107
		Nitrobenzene-d5	100	22.6	23		18	107
		2-Fluorobiphenyl	100	22.8	23		20	109
		2,4,6-Tribromophenol	150	43.4	29		10	116
		Terphenyl-d14	100	24.1	24		10	105
Q3376-05	PR132-S12-020047-20251016	2-Fluorophenol	150	55.4	37		18	112
		Phenol-d6	150	49.1	33		15	107
		Nitrobenzene-d5	100	34.5	35		18	107
		2-Fluorobiphenyl	100	29.4	29		20	109
		2,4,6-Tribromophenol	150	94.4	63		10	116
		Terphenyl-d14	100	50.5	50		10	105
Q3402-07MS	41-LBMS	2-Fluorophenol	150	95.0	63		18	112
		Phenol-d6	150	93.4	62		15	107
		Nitrobenzene-d5	100	63.3	63		18	107
		2-Fluorobiphenyl	100	46.5	46		20	109
		2,4,6-Tribromophenol	150	75.3	50		10	116
		Terphenyl-d14	100	33.9	34		10	105
Q3402-07MSD	41-LBMSD	2-Fluorophenol	150	92.9	62		18	112
		Phenol-d6	150	91.9	61		15	107
		Nitrobenzene-d5	100	62.7	63		18	107

Surrogate Summary

SW-846

SDG No.: Q3376

Client: AECOM

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3402-07MSD	41-LBMSD	2-Fluorobiphenyl	100	43.7	44		20	109
		2,4,6-Tribromophenol	150	75.1	50		10	116
		Terphenyl-d14	100	34.4	34		10	105

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3376

Analytical Method: SW8270E

Client: AECOM

DataFile: BF144021.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: Q3402-07MS		Client Sample ID: 41-LBMS									
Benzaldehyde	1500	0	840	ug/Kg	56				10	171	
Phenol	1500	0	1500	ug/Kg	100				51	122	
bis(2-Chloroethyl)ether	1500	0	1500	ug/Kg	100				54	125	
2-Chlorophenol	1500	0	1500	ug/Kg	100				51	121	
2-Methylphenol	1500	0	1400	ug/Kg	93				47	125	
2,2-oxybis(1-Chloropropane)	1500	0	1500	ug/Kg	100				46	119	
Acetophenone	1500	0	1600	ug/Kg	107				55	128	
3+4-Methylphenols	1500	0	1400	ug/Kg	93				49	125	
N-Nitroso-di-n-propylamine	1500	0	1400	ug/Kg	93				59	119	
Hexachloroethane	1500	0	1400	ug/Kg	93				51	116	
Nitrobenzene	1500	0	1500	ug/Kg	100				47	124	
Isophorone	1500	0	1400	ug/Kg	93				49	127	
2-Nitrophenol	1500	0	1700	ug/Kg	113				43	131	
2,4-Dimethylphenol	1500	0	1600	ug/Kg	107				63	151	
bis(2-Chloroethoxy)methane	1500	0	1500	ug/Kg	100				51	119	
2,4-Dichlorophenol	1500	0	1400	ug/Kg	93				50	122	
Naphthalene	1500	0	1500	ug/Kg	100				51	121	
4-Chloroaniline	1500	0	550	ug/Kg	37				10	100	
Hexachlorobutadiene	1500	0	1400	ug/Kg	93				44	126	
Caprolactam	1500	0	1500	ug/Kg	100				51	134	
4-Chloro-3-methylphenol	1500	0	1400	ug/Kg	93				57	132	
2-Methylnaphthalene	1500	0	1300	ug/Kg	87				59	123	
Hexachlorocyclopentadiene	3000	0	3200	ug/Kg	107				10	175	
2,4,6-Trichlorophenol	1500	0	1500	ug/Kg	100				33	141	
2,4,5-Trichlorophenol	1500	0	1500	ug/Kg	100				38	135	
1,1-Biphenyl	1500	0	1700	ug/Kg	113				55	131	
2-Chloronaphthalene	1500	0	1600	ug/Kg	107				48	124	
2-Nitroaniline	1500	0	1700	ug/Kg	113				47	134	
Dimethylphthalate	1500	0	1600	ug/Kg	107				54	120	
Acenaphthylene	1500	0	1700	ug/Kg	113				57	125	
2,6-Dinitrotoluene	1500	0	1800	ug/Kg	120				48	127	
3-Nitroaniline	1500	0	1100	ug/Kg	73				10	112	
Acenaphthene	1500	0	1500	ug/Kg	100				70	121	
2,4-Dinitrophenol	3000	0	2300	ug/Kg	77				10	155	
4-Nitrophenol	3000	0	2600	ug/Kg	87				10	175	
Dibenzofuran	1500	0	1500	ug/Kg	100				52	114	
2,4-Dinitrotoluene	1500	0	1700	ug/Kg	113				41	140	
Diethylphthalate	1500	0	1500	ug/Kg	100				51	119	
4-Chlorophenyl-phenylether	1500	0	1400	ug/Kg	93				48	122	
Fluorene	1500	0	1500	ug/Kg	100				53	118	
4-Nitroaniline	1500	0	1400	ug/Kg	93				29	140	
4,6-Dinitro-2-methylphenol	1500	0	1700	ug/Kg	113				10	160	
N-Nitrosodiphenylamine	1500	0	1700	ug/Kg	113				73	118	
4-Bromophenyl-phenylether	1500	0	1500	ug/Kg	100				65	121	
Hexachlorobenzene	1500	0	1500	ug/Kg	100				67	118	
Atrazine	1500	0	1600	ug/Kg	107				45	175	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3376

Analytical Method: SW8270E

Client: AECOM

DataFile: BF144021.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Pentachlorophenol	3000	0	2500	ug/Kg	83				13	153	
Phenanthrene	1500	0	1600	ug/Kg	107				52	128	
Anthracene	1500	0	1600	ug/Kg	107				62	124	
Carbazole	1500	0	1500	ug/Kg	100				59	119	
Di-n-butylphthalate	1500	0	1600	ug/Kg	107				55	125	
Fluoranthene	1500	63.0	1600	ug/Kg	102				44	125	
Pyrene	1500	0	1200	ug/Kg	80				37	122	
Butylbenzylphthalate	1500	0	1500	ug/Kg	100				44	135	
3,3-Dichlorobenzidine	1500	0	1400	ug/Kg	93				15	112	
Benzo(a)anthracene	1500	0	1600	ug/Kg	107				53	119	
Chrysene	1500	0	1600	ug/Kg	107				57	121	
bis(2-Ethylhexyl)phthalate	1500	0	1800	ug/Kg	120				42	169	
Di-n-octyl phthalate	1500	0	2100	ug/Kg	140				51	156	
Benzo(b)fluoranthene	1500	0	1500	ug/Kg	100				52	117	
Benzo(k)fluoranthene	1500	0	1400	ug/Kg	93				57	134	
Benzo(a)pyrene	1500	0	1600	ug/Kg	107				70	142	
Indeno(1,2,3-cd)pyrene	1500	0	1500	ug/Kg	100				40	129	
Dibenz(a,h)anthracene	1500	0	1500	ug/Kg	100				43	123	
Benzo(g,h,i)perylene	1500	0	1400	ug/Kg	93				24	125	
1,2,4,5-Tetrachlorobenzene	1500	0	1700	ug/Kg	113				52	134	
1,4-Dioxane	1500	0	1400	ug/Kg	93				46	112	
2,3,4,6-Tetrachlorophenol	1500	0	1400	ug/Kg	93				24	146	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3376

Analytical Method: SW8270E

Client: AECOM

DataFile: BF144022.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	Q3402-07MSD	Client Sample ID:	41-LBMSD								
Benzaldehyde	1500	0	850	ug/Kg	57		2		10	171	20
Phenol	1500	0	1500	ug/Kg	100		0		51	122	20
bis(2-Chloroethyl)ether	1500	0	1500	ug/Kg	100		0		54	125	20
2-Chlorophenol	1500	0	1500	ug/Kg	100		0		51	121	20
2-Methylphenol	1500	0	1400	ug/Kg	93		0		47	125	20
2,2-oxybis(1-Chloropropane)	1500	0	1400	ug/Kg	93		7		46	119	20
Acetophenone	1500	0	1600	ug/Kg	107		0		55	128	20
3+4-Methylphenols	1500	0	1400	ug/Kg	93		0		49	125	20
N-Nitroso-di-n-propylamine	1500	0	1400	ug/Kg	93		0		59	119	20
Hexachloroethane	1500	0	1500	ug/Kg	100		7		51	116	20
Nitrobenzene	1500	0	1600	ug/Kg	107		7		47	124	20
Isophorone	1500	0	1400	ug/Kg	93		0		49	127	20
2-Nitrophenol	1500	0	1700	ug/Kg	113		0		43	131	20
2,4-Dimethylphenol	1500	0	1600	ug/Kg	107		0		63	151	20
bis(2-Chloroethoxy)methane	1500	0	1500	ug/Kg	100		0		51	119	20
2,4-Dichlorophenol	1500	0	1400	ug/Kg	93		0		50	122	20
Naphthalene	1500	0	1400	ug/Kg	93		7		51	121	20
4-Chloroaniline	1500	0	580	ug/Kg	39		5		10	100	20
Hexachlorobutadiene	1500	0	1400	ug/Kg	93		0		44	126	20
Caprolactam	1500	0	1500	ug/Kg	100		0		51	134	20
4-Chloro-3-methylphenol	1500	0	1400	ug/Kg	93		0		57	132	20
2-Methylnaphthalene	1500	0	1300	ug/Kg	87		0		59	123	20
Hexachlorocyclopentadiene	3000	0	3100	ug/Kg	103		4		10	175	20
2,4,6-Trichlorophenol	1500	0	1500	ug/Kg	100		0		33	141	20
2,4,5-Trichlorophenol	1500	0	1500	ug/Kg	100		0		38	135	20
1,1-Biphenyl	1500	0	1600	ug/Kg	107		5		55	131	20
2-Chloronaphthalene	1500	0	1500	ug/Kg	100		7		48	124	20
2-Nitroaniline	1500	0	1600	ug/Kg	107		5		47	134	20
Dimethylphthalate	1500	0	1500	ug/Kg	100		7		54	120	20
Acenaphthylene	1500	0	1700	ug/Kg	113		0		57	125	20
2,6-Dinitrotoluene	1500	0	1700	ug/Kg	113		6		48	127	20
3-Nitroaniline	1500	0	1100	ug/Kg	73		0		10	112	20
Acenaphthene	1500	0	1500	ug/Kg	100		0		70	121	20
2,4-Dinitrophenol	3000	0	2400	ug/Kg	80		4		10	155	20
4-Nitrophenol	3000	0	2500	ug/Kg	83		5		10	175	20
Dibenzofuran	1500	0	1400	ug/Kg	93		7		52	114	20
2,4-Dinitrotoluene	1500	0	1600	ug/Kg	107		5		41	140	20
Diethylphthalate	1500	0	1400	ug/Kg	93		7		51	119	20
4-Chlorophenyl-phenylether	1500	0	1400	ug/Kg	93		0		48	122	20
Fluorene	1500	0	1400	ug/Kg	93		7		53	118	20
4-Nitroaniline	1500	0	1400	ug/Kg	93		0		29	140	20
4,6-Dinitro-2-methylphenol	1500	0	1800	ug/Kg	120		6		10	160	20
N-Nitrosodiphenylamine	1500	0	1700	ug/Kg	113		0		73	118	20
4-Bromophenyl-phenylether	1500	0	1500	ug/Kg	100		0		65	121	20
Hexachlorobenzene	1500	0	1400	ug/Kg	93		7		67	118	20
Atrazine	1500	0	1600	ug/Kg	107		0		45	175	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3376

Analytical Method: SW8270E

Client: AECOM

DataFile: BF144022.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Pentachlorophenol	3000	0	2600	ug/Kg	87		5		13	153	20
Phenanthrene	1500	0	1500	ug/Kg	100		7		52	128	20
Anthracene	1500	0	1500	ug/Kg	100		7		62	124	20
Carbazole	1500	0	1500	ug/Kg	100		0		59	119	20
Di-n-butylphthalate	1500	0	1600	ug/Kg	107		0		55	125	20
Fluoranthene	1500	63.0	1500	ug/Kg	96		6		44	125	20
Pyrene	1500	0	1200	ug/Kg	80		0		37	122	20
Butylbenzylphthalate	1500	0	1500	ug/Kg	100		0		44	135	20
3,3-Dichlorobenzidine	1500	0	1400	ug/Kg	93		0		15	112	20
Benzo(a)anthracene	1500	0	1600	ug/Kg	107		0		53	119	20
Chrysene	1500	0	1600	ug/Kg	107		0		57	121	20
bis(2-Ethylhexyl)phthalate	1500	0	1700	ug/Kg	113		6		42	169	20
Di-n-octyl phthalate	1500	0	2000	ug/Kg	133		5		51	156	20
Benzo(b)fluoranthene	1500	0	1500	ug/Kg	100		0		52	117	20
Benzo(k)fluoranthene	1500	0	1400	ug/Kg	93		0		57	134	20
Benzo(a)pyrene	1500	0	1600	ug/Kg	107		0		70	142	20
Indeno(1,2,3-cd)pyrene	1500	0	1500	ug/Kg	100		0		40	129	20
Dibenz(a,h)anthracene	1500	0	1500	ug/Kg	100		0		43	123	20
Benzo(g,h,i)perylene	1500	0	1400	ug/Kg	93		0		24	125	20
1,2,4,5-Tetrachlorobenzene	1500	0	1700	ug/Kg	113		0		52	134	20
1,4-Dioxane	1500	0	1300	ug/Kg	87		7		46	112	20
2,3,4,6-Tetrachlorophenol	1500	0	1400	ug/Kg	93		0		24	146	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3376

Analytical Method: 8270E

Client: AECOM

DataFile: BF144034.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB170180BS	Benzaldehyde	1700	880	ug/Kg	52				10	133	
	Phenol	1700	1400	ug/Kg	82				62	112	
	bis(2-Chloroethyl)ether	1700	1500	ug/Kg	88				60	101	
	2-Chlorophenol	1700	1500	ug/Kg	88				65	112	
	2-Methylphenol	1700	1500	ug/Kg	88				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1500	ug/Kg	88				51	100	
	Acetophenone	1700	1600	ug/Kg	94				66	98	
	3+4-Methylphenols	1700	1400	ug/Kg	82				58	111	
	N-Nitroso-di-n-propylamine	1700	1400	ug/Kg	82				63	95	
	Hexachloroethane	1700	1500	ug/Kg	88				72	108	
	Nitrobenzene	1700	1500	ug/Kg	88				57	101	
	Isophorone	1700	1500	ug/Kg	88				59	99	
	2-Nitrophenol	1700	1800	ug/Kg	106				61	111	
	2,4-Dimethylphenol	1700	1600	ug/Kg	94				46	141	
	bis(2-Chloroethoxy)methane	1700	1500	ug/Kg	88				66	97	
	2,4-Dichlorophenol	1700	1400	ug/Kg	82				62	107	
	Naphthalene	1700	1400	ug/Kg	82				62	100	
	4-Chloroaniline	1700	780	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	1400	ug/Kg	82				58	112	
	2-Methylnaphthalene	1700	1300	ug/Kg	76				60	104	
	Hexachlorocyclopentadiene	3300	3300	ug/Kg	100				45	165	
	2,4,6-Trichlorophenol	1700	1500	ug/Kg	88				59	102	
	2,4,5-Trichlorophenol	1700	1400	ug/Kg	82				61	98	
	1,1-Biphenyl	1700	1600	ug/Kg	94				57	103	
	2-Chloronaphthalene	1700	1500	ug/Kg	88				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	1800	ug/Kg	106		*		61	104	
	3-Nitroaniline	1700	1100	ug/Kg	65				28	100	
	Acenaphthene	1700	1500	ug/Kg	88				57	104	
	2,4-Dinitrophenol	3300	2600	ug/Kg	79				37	128	
	4-Nitrophenol	3300	2600	ug/Kg	79				48	119	
	Dibenzofuran	1700	1400	ug/Kg	82				63	99	
	2,4-Dinitrotoluene	1700	1700	ug/Kg	100				60	106	
	Diethylphthalate	1700	1500	ug/Kg	88				60	101	
	4-Chlorophenyl-phenylether	1700	1500	ug/Kg	88				58	98	
	Fluorene	1700	1500	ug/Kg	88				61	101	
	4-Nitroaniline	1700	1500	ug/Kg	88				64	103	
	4,6-Dinitro-2-methylphenol	1700	1800	ug/Kg	106				76	113	
	N-Nitrosodiphenylamine	1700	1500	ug/Kg	88				71	99	
	4-Bromophenyl-phenylether	1700	1500	ug/Kg	88				66	102	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: <u>Q3376</u>	Analytical Method: <u>8270E</u>
Client: <u>AECOM</u>	DataFile: <u>BF144034.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB170180BS	Hexachlorobenzene	1700	1400	ug/Kg	82				64	98	
	Atrazine	1700	1600	ug/Kg	94				47	152	
	Pentachlorophenol	3300	2400	ug/Kg	73				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	1400	ug/Kg	82				57	107	
	Pyrene	1700	1600	ug/Kg	94				59	103	
	Butylbenzylphthalate	1700	1700	ug/Kg	100				55	103	
	3,3-Dichlorobenzidine	1700	1100	ug/Kg	65				42	91	
	Benzo(a)anthracene	1700	1500	ug/Kg	88				60	102	
	Chrysene	1700	1600	ug/Kg	94				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1600	ug/Kg	94				54	135	
	Di-n-octyl phthalate	1700	1600	ug/Kg	94				52	137	
	Benzo(b)fluoranthene	1700	1400	ug/Kg	82				62	109	
	Benzo(k)fluoranthene	1700	1400	ug/Kg	82				62	109	
	Benzo(a)pyrene	1700	1600	ug/Kg	94				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1900	ug/Kg	112		*		63	101	
	Dibenz(a,h)anthracene	1700	1900	ug/Kg	112				61	112	
	Benzo(g,h,i)perylene	1700	1900	ug/Kg	112			*	70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1600	ug/Kg	94				53	101	
	1,4-Dioxane	1700	1300	ug/Kg	76				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1500	ug/Kg	88				59	108	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID

PB170180BL

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3376

Lab File ID: BF144033.D

Lab Sample ID: PB170180BL

Instrument ID: BNA_F

Date Extracted: 10/21/2025

Matrix: (soil/water) SOIL

Date Analyzed: 10/22/2025

Level: (low/med) LOW

Time Analyzed: 10:54

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB170180BS	PB170180BS	BF144034.D	10/22/2025
PR132-COMP2-20251016	Q3376-03	BF144039.D	10/22/2025
PR132-S12-047072-20251016	Q3376-04	BF144040.D	10/22/2025
PR132-S12-020047-20251016	Q3376-05	BG064609.D	10/28/2025
PR132-S05-057082-20251016	Q3376-01	BF144028.D	10/21/2025
PR132-DP01-20251016	Q3376-02	BF144029.D	10/21/2025
41-LBMS	Q3402-07MS	BF144021.D	10/21/2025
41-LBMSD	Q3402-07MSD	BF144022.D	10/21/2025

COMMENTS: _____

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BF143874.D
Instrument ID: BNA_F

Contract: AECO02
SDG NO.: Q3376
DFTPP Injection Date: 10/06/2025
DFTPP Injection Time: 09:30

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.4 (1.6) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.1 (0.4) 1
197	Less than 2.0% of mass 198	0.3
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
365	Greater than 1% of mass 198	4.3
441	Present, but less than mass 443	78.8
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.6 (19.6) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF143875.D	10/06/2025	09:59
SSTDICC005	SSTDICC005	BF143876.D	10/06/2025	10:28
SSTDICC010	SSTDICC010	BF143877.D	10/06/2025	10:57
SSTDICC020	SSTDICC020	BF143878.D	10/06/2025	11:56
SSTDICCC040	SSTDICCC040	BF143879.D	10/06/2025	12:54
SSTDICC050	SSTDICC050	BF143880.D	10/06/2025	13:23
SSTDICC060	SSTDICC060	BF143881.D	10/06/2025	13:53
SSTDICC080	SSTDICC080	BF143882.D	10/06/2025	14:22

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BF144008.D
Instrument ID: BNA_F

Contract: AECO02
SDG NO.: Q3376
DFTPP Injection Date: 10/21/2025
DFTPP Injection Time: 12:43

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.4 (1.6) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (0.5) 1
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	85.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.7 (19.7) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF144009.D	10/21/2025	13:29
41-LBMS	Q3402-07MS	BF144021.D	10/21/2025	19:28
41-LBMSD	Q3402-07MSD	BF144022.D	10/21/2025	19:58
PR132-S05-057082-20251016	Q3376-01	BF144028.D	10/21/2025	22:53
PR132-DP01-20251016	Q3376-02	BF144029.D	10/21/2025	23:22

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BF144031.D
Instrument ID: BNA_F

Contract: AECO02
SDG NO.: Q3376
DFTPP Injection Date: 10/22/2025
DFTPP Injection Time: 09:26

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.4 (1.5) 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	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7.0
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	84.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.5 (19.5) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF144032.D	10/22/2025	10:25
PB170180BL	PB170180BL	BF144033.D	10/22/2025	10:54
PB170180BS	PB170180BS	BF144034.D	10/22/2025	11:23
PR132-COMP2-20251016	Q3376-03	BF144039.D	10/22/2025	13:53
PR132-S12-047072-20251016	Q3376-04	BF144040.D	10/22/2025	14:22

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BG064568.D
Instrument ID: BNA_G

Contract: AECO02
SDG NO.: Q3376
DFTPP Injection Date: 10/24/2025
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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BG064599.D
Instrument ID: BNA_G

Contract: AECO02
SDG NO.: Q3376
DFTPP Injection Date: 10/28/2025
DFTPP Injection Time: 13:05

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

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BG064600.D	10/28/2025	13:45
PR132-S12-020047-20251016	Q3376-05	BG064609.D	10/28/2025	19:57

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3376

Client ID : SSTDCCC040

Date Analyzed: 10/21/2025

Lab File ID: BF144009.D

Time Analyzed: 13:29

Instrument ID: BNA_F

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	126907	6.881	483648	8.16	263342	9.92
UPPER LIMIT	253814	7.381	967296	8.663	526684	10.422
LOWER LIMIT	63453.5	6.381	241824	7.663	131671	9.422
EPA SAMPLE NO.						
01 PR132-S05-057082-20251016	103970	6.88	375202	8.16	176662	9.92
02 PR132-DP01-20251016	102606	6.88	370185	8.16	182853	9.92
03 41-LBMS	97883	6.88	362327	8.16	171519	9.92
04 41-LBMSD	105784	6.88	388491	8.16	194134	9.92

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3376

Client ID: SSTDCCC040

Date Analyzed: 10/21/2025

Lab File ID: BF144009.D

Time Analyzed: 13:29

Instrument ID: BNA_F

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	430811	11.416	235758	14.063	243917	15.545
	UPPER LIMIT	861622	11.916	471516	14.563	487834	16.045
	LOWER LIMIT	215406	10.916	117879	13.563	121959	15.045
	EPA SAMPLE NO.						
01	PR132-S05-057082-20251016	261482	11.41	242210	14.06	289481	15.55
02	PR132-DP01-20251016	276992	11.41	261924	14.06	301622	15.55
03	41-LBMS	251833	11.42	215570	14.06	288346	15.55
04	41-LBMSD	286809	11.41	223920	14.06	293398	15.55

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3376

Client ID : SSTDCCC040

Date Analyzed: 10/22/2025

Lab File ID: BF144032.D

Time Analyzed: 10:25

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	112960	6.881	428129	8.16	220935	9.92
UPPER LIMIT	225920	7.381	856258	8.663	441870	10.422
LOWER LIMIT	56480	6.381	214065	7.663	110468	9.422
EPA SAMPLE NO.						
01 PB170180BL	133448	6.88	515654	8.16	278111	9.92
02 PB170180BS	119718	6.88	459704	8.16	246572	9.92
03 PR132-COMP2-20251016	91108	6.88	322317	8.16	162319	9.92
04 PR132-S12-047072-20251016	70898	6.88	250555	8.16	129776	9.92

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3376

Client ID: SSTDCCC040

Date Analyzed: 10/22/2025

Lab File ID: BF144032.D

Time Analyzed: 10:25

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	348267	11.416	176671	14.063	208587	15.545
UPPER LIMIT	696534	11.916	353342	14.563	417174	16.045
LOWER LIMIT	174134	10.916	88335.5	13.563	104294	15.045
EPA SAMPLE NO.						
01 PB170180BL	477973	11.41	255711	14.06	254526	15.55
02 PB170180BS	409864	11.42	219056	14.06	213561	15.55
03 PR132-COMP2-20251016	264674	11.41	231985	14.06	277314	15.55
04 PR132-S12-047072-20251016	213175	11.41	243369	14.06	287324	15.55

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3376

Client ID : SSTDCCC040

Date Analyzed: 10/28/2025

Lab File ID: BG064600.D

Time Analyzed: 13:45

Instrument ID: BNA_G

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	28654	8.219	112694	11.05	87446	14.84
UPPER LIMIT	57308	8.719	225388	11.545	174892	15.341
LOWER LIMIT	14327	7.719	56347	10.545	43723	14.341
EPA SAMPLE NO.						
01 PR132-S12-020047-20251016	37243	8.22	140181	11.04	106965	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.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3376

Client ID: SSTDCCC040

Date Analyzed: 10/28/2025

Lab File ID: BG064600.D

Time Analyzed: 13:45

Instrument ID: BNA_G

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	216707	17.573	273944	21.85	304830	25.187
UPPER LIMIT	433414	18.073	547888	22.35	609660	25.687
LOWER LIMIT	108354	17.073	136972	21.35	152415	24.687
EPA SAMPLE NO.						
01 PR132-S12-020047-20251016	249913	17.58	291786	21.85	320360	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

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PB170180BL
Lab Sample ID: PB170180BL
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 30.02 g Final Vol: 1000 uL
Prep Method : SW3510C Prep Date: 10/21/25

Date Collected:
Date Received:
SDG No.: Q3376
Matrix: SOIL
% Solid: 100
Test: SVOC-TCL BNA -20

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	10/22/25 10:54	PB170180
108-95-2	Phenol	170	U	1	22.1	170	ug/Kg	10/22/25 10:54	PB170180
111-44-4	bis(2-Chloroethyl)ether	170	U	1	24.3	170	ug/Kg	10/22/25 10:54	PB170180
95-57-8	2-Chlorophenol	170	U	1	24.4	170	ug/Kg	10/22/25 10:54	PB170180
95-48-7	2-Methylphenol	170	U	1	29.9	170	ug/Kg	10/22/25 10:54	PB170180
108-60-1	2,2-oxybis(1-Chloropropane)	170	U	1	37.5	170	ug/Kg	10/22/25 10:54	PB170180
98-86-2	Acetophenone	170	U	1	29.5	170	ug/Kg	10/22/25 10:54	PB170180
65794-96-9	3+4-Methylphenols	330	U	1	41.1	330	ug/Kg	10/22/25 10:54	PB170180
621-64-7	n-Nitroso-di-n-propylamine	79.9	U	1	47.4	79.9	ug/Kg	10/22/25 10:54	PB170180
67-72-1	Hexachloroethane	170	U	1	17.6	170	ug/Kg	10/22/25 10:54	PB170180
98-95-3	Nitrobenzene	170	U	1	18.3	170	ug/Kg	10/22/25 10:54	PB170180
78-59-1	Isophorone	170	U	1	32.8	170	ug/Kg	10/22/25 10:54	PB170180
88-75-5	2-Nitrophenol	170	U	1	58.2	170	ug/Kg	10/22/25 10:54	PB170180
105-67-9	2,4-Dimethylphenol	170	U	1	64.8	170	ug/Kg	10/22/25 10:54	PB170180
111-91-1	bis(2-Chloroethoxy)methane	170	U	1	30.8	170	ug/Kg	10/22/25 10:54	PB170180
120-83-2	2,4-Dichlorophenol	170	U	1	28.3	170	ug/Kg	10/22/25 10:54	PB170180
91-20-3	Naphthalene	170	U	1	22.7	170	ug/Kg	10/22/25 10:54	PB170180
106-47-8	4-Chloroaniline	170	U	1	35.4	170	ug/Kg	10/22/25 10:54	PB170180
87-68-3	Hexachlorobutadiene	170	U	1	25.3	170	ug/Kg	10/22/25 10:54	PB170180
105-60-2	Caprolactam	330	U	1	52.1	330	ug/Kg	10/22/25 10:54	PB170180
59-50-7	4-Chloro-3-methylphenol	170	U	1	28.7	170	ug/Kg	10/22/25 10:54	PB170180
91-57-6	2-Methylnaphthalene	170	U	1	25.6	170	ug/Kg	10/22/25 10:54	PB170180
77-47-4	Hexachlorocyclopentadiene	330	U	1	120	330	ug/Kg	10/22/25 10:54	PB170180
88-06-2	2,4,6-Trichlorophenol	170	U	1	19.8	170	ug/Kg	10/22/25 10:54	PB170180
95-95-4	2,4,5-Trichlorophenol	170	U	1	29.1	170	ug/Kg	10/22/25 10:54	PB170180
92-52-4	1,1-Biphenyl	170	U	1	21.8	170	ug/Kg	10/22/25 10:54	PB170180
91-58-7	2-Chloronaphthalene	170	U	1	22.5	170	ug/Kg	10/22/25 10:54	PB170180
88-74-4	2-Nitroaniline	170	U	1	48.1	170	ug/Kg	10/22/25 10:54	PB170180
131-11-3	Dimethylphthalate	170	U	1	27.1	170	ug/Kg	10/22/25 10:54	PB170180
208-96-8	Acenaphthylene	170	U	1	28.9	170	ug/Kg	10/22/25 10:54	PB170180
606-20-2	2,6-Dinitrotoluene	170	U	1	33.6	170	ug/Kg	10/22/25 10:54	PB170180
99-09-2	3-Nitroaniline	170	U	1	46.0	170	ug/Kg	10/22/25 10:54	PB170180
83-32-9	Acenaphthene	170	U	1	21.3	170	ug/Kg	10/22/25 10:54	PB170180
51-28-5	2,4-Dinitrophenol	330	U	1	230	330	ug/Kg	10/22/25 10:54	PB170180
100-02-7	4-Nitrophenol	330	U	1	110	330	ug/Kg	10/22/25 10:54	PB170180
132-64-9	Dibenzofuran	170	U	1	22.7	170	ug/Kg	10/22/25 10:54	PB170180
121-14-2	2,4-Dinitrotoluene	170	U	1	50.1	170	ug/Kg	10/22/25 10:54	PB170180
84-66-2	Diethylphthalate	170	U	1	28.3	170	ug/Kg	10/22/25 10:54	PB170180
7005-72-3	4-Chlorophenyl-phenylether	170	U	1	26.7	170	ug/Kg	10/22/25 10:54	PB170180
86-73-7	Fluorene	170	U	1	25.3	170	ug/Kg	10/22/25 10:54	PB170180
100-01-6	4-Nitroaniline	170	U	1	64.2	170	ug/Kg	10/22/25 10:54	PB170180
534-52-1	4,6-Dinitro-2-methylphenol	330	U	1	100	330	ug/Kg	10/22/25 10:54	PB170180

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PB170180BL
Lab Sample ID: PB170180BL
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 30.02 g Final Vol: 1000 uL
Prep Method : SW3510C Prep Date: 10/21/25

Date Collected:
Date Received:
SDG No.: Q3376
Matrix: SOIL
% Solid: 100
Test: SVOC-TCL BNA -20

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	10/22/25 10:54	PB170180
101-55-3	4-Bromophenyl-phenylether	170	U	1	27.8	170	ug/Kg	10/22/25 10:54	PB170180
118-74-1	Hexachlorobenzene	170	U	1	25.3	170	ug/Kg	10/22/25 10:54	PB170180
1912-24-9	Atrazine	170	U	1	34.0	170	ug/Kg	10/22/25 10:54	PB170180
87-86-5	Pentachlorophenol	330	U	1	51.3	330	ug/Kg	10/22/25 10:54	PB170180
85-01-8	Phenanthrene	170	U	1	20.9	170	ug/Kg	10/22/25 10:54	PB170180
120-12-7	Anthracene	170	U	1	33.3	170	ug/Kg	10/22/25 10:54	PB170180
86-74-8	Carbazole	170	U	1	31.2	170	ug/Kg	10/22/25 10:54	PB170180
84-74-2	Di-n-butylphthalate	170	U	1	47.9	170	ug/Kg	10/22/25 10:54	PB170180
206-44-0	Fluoranthene	170	U	1	30.0	170	ug/Kg	10/22/25 10:54	PB170180
129-00-0	Pyrene	170	U	1	36.0	170	ug/Kg	10/22/25 10:54	PB170180
85-68-7	Butylbenzylphthalate	170	U	1	71.4	170	ug/Kg	10/22/25 10:54	PB170180
91-94-1	3,3-Dichlorobenzidine	330	U	1	36.7	330	ug/Kg	10/22/25 10:54	PB170180
56-55-3	Benzo(a)anthracene	170	U	1	23.0	170	ug/Kg	10/22/25 10:54	PB170180
218-01-9	Chrysene	170	U	1	19.9	170	ug/Kg	10/22/25 10:54	PB170180
117-81-7	Bis(2-ethylhexyl)phthalate	170	U	1	59.2	170	ug/Kg	10/22/25 10:54	PB170180
117-84-0	Di-n-octyl phthalate	330	U	1	86.7	330	ug/Kg	10/22/25 10:54	PB170180
205-99-2	Benzo(b)fluoranthene	170	U	1	19.0	170	ug/Kg	10/22/25 10:54	PB170180
207-08-9	Benzo(k)fluoranthene	170	U	1	22.4	170	ug/Kg	10/22/25 10:54	PB170180
50-32-8	Benzo(a)pyrene	170	U	1	29.5	170	ug/Kg	10/22/25 10:54	PB170180
193-39-5	Indeno(1,2,3-cd)pyrene	170	U	1	29.1	170	ug/Kg	10/22/25 10:54	PB170180
53-70-3	Dibenzo(a,h)anthracene	170	U	1	27.4	170	ug/Kg	10/22/25 10:54	PB170180
191-24-2	Benzo(g,h,i)perylene	170	U	1	25.7	170	ug/Kg	10/22/25 10:54	PB170180
95-94-3	1,2,4,5-Tetrachlorobenzene	170	U	1	25.6	170	ug/Kg	10/22/25 10:54	PB170180
123-91-1	1,4-Dioxane	170	U	1	45.2	170	ug/Kg	10/22/25 10:54	PB170180
58-90-2	2,3,4,6-Tetrachlorophenol	170	U	1	27.4	170	ug/Kg	10/22/25 10:54	PB170180

SURROGATES

367-12-4	2-Fluorophenol	130		18 - 112	86%	SPK: 150
13127-88-3	Phenol-d6	128		15 - 107	85%	SPK: 150
4165-60-0	Nitrobenzene-d5	97.5		18 - 107	98%	SPK: 100
321-60-8	2-Fluorobiphenyl	86.5		20 - 109	86%	SPK: 100
118-79-6	2,4,6-Tribromophenol	136		10 - 116	91%	SPK: 150
1718-51-0	Terphenyl-d14	102		10 - 105	102%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	133000
1146-65-2	Naphthalene-d8	516000
15067-26-2	Acenaphthene-d10	278000
1517-22-2	Phenanthrene-d10	478000
1719-03-5	Chrysene-d12	256000
1520-96-3	Perylene-d12	255000

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	PB170180BL	SDG No.:	Q3376
Lab Sample ID:	PB170180BL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.02 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C		
	Level : LOW		
	Final Vol: 1000 uL		
	Prep Date: 10/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PB170180BS
Lab Sample ID: PB170180BS
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 30.03 g Final Vol: 1000 uL
Prep Method : SW3510C Prep Date: 10/21/25

Date Collected:
Date Received:
SDG No.: Q3376
Matrix: SOIL
% Solid: 100
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	880		1	160	330	ug/Kg	10/22/25 11:23	PB170180
108-95-2	Phenol	1400		1	22.1	170	ug/Kg	10/22/25 11:23	PB170180
111-44-4	bis(2-Chloroethyl)ether	1500		1	24.3	170	ug/Kg	10/22/25 11:23	PB170180
95-57-8	2-Chlorophenol	1500		1	24.4	170	ug/Kg	10/22/25 11:23	PB170180
95-48-7	2-Methylphenol	1500		1	29.9	170	ug/Kg	10/22/25 11:23	PB170180
108-60-1	2,2-oxybis(1-Chloropropane)	1500		1	37.5	170	ug/Kg	10/22/25 11:23	PB170180
98-86-2	Acetophenone	1600		1	29.5	170	ug/Kg	10/22/25 11:23	PB170180
65794-96-9	3+4-Methylphenols	1400		1	41.1	330	ug/Kg	10/22/25 11:23	PB170180
621-64-7	n-Nitroso-di-n-propylamine	1400		1	47.4	79.9	ug/Kg	10/22/25 11:23	PB170180
67-72-1	Hexachloroethane	1500		1	17.6	170	ug/Kg	10/22/25 11:23	PB170180
98-95-3	Nitrobenzene	1500		1	18.3	170	ug/Kg	10/22/25 11:23	PB170180
78-59-1	Isophorone	1500		1	32.8	170	ug/Kg	10/22/25 11:23	PB170180
88-75-5	2-Nitrophenol	1800		1	58.1	170	ug/Kg	10/22/25 11:23	PB170180
105-67-9	2,4-Dimethylphenol	1600		1	64.7	170	ug/Kg	10/22/25 11:23	PB170180
111-91-1	bis(2-Chloroethoxy)methane	1500		1	30.8	170	ug/Kg	10/22/25 11:23	PB170180
120-83-2	2,4-Dichlorophenol	1400		1	28.3	170	ug/Kg	10/22/25 11:23	PB170180
91-20-3	Naphthalene	1400		1	22.7	170	ug/Kg	10/22/25 11:23	PB170180
106-47-8	4-Chloroaniline	780		1	35.4	170	ug/Kg	10/22/25 11:23	PB170180
87-68-3	Hexachlorobutadiene	1500		1	25.3	170	ug/Kg	10/22/25 11:23	PB170180
105-60-2	Caprolactam	1500		1	52.0	330	ug/Kg	10/22/25 11:23	PB170180
59-50-7	4-Chloro-3-methylphenol	1400		1	28.7	170	ug/Kg	10/22/25 11:23	PB170180
91-57-6	2-Methylnaphthalene	1300		1	25.6	170	ug/Kg	10/22/25 11:23	PB170180
77-47-4	Hexachlorocyclopentadiene	3300	E	1	120	330	ug/Kg	10/22/25 11:23	PB170180
88-06-2	2,4,6-Trichlorophenol	1500		1	19.8	170	ug/Kg	10/22/25 11:23	PB170180
95-95-4	2,4,5-Trichlorophenol	1400		1	29.1	170	ug/Kg	10/22/25 11:23	PB170180
92-52-4	1,1-Biphenyl	1600		1	21.8	170	ug/Kg	10/22/25 11:23	PB170180
91-58-7	2-Chloronaphthalene	1500		1	22.5	170	ug/Kg	10/22/25 11:23	PB170180
88-74-4	2-Nitroaniline	1600		1	48.1	170	ug/Kg	10/22/25 11:23	PB170180
131-11-3	Dimethylphthalate	1500		1	27.1	170	ug/Kg	10/22/25 11:23	PB170180
208-96-8	Acenaphthylene	1700		1	28.9	170	ug/Kg	10/22/25 11:23	PB170180
606-20-2	2,6-Dinitrotoluene	1800		1	33.6	170	ug/Kg	10/22/25 11:23	PB170180
99-09-2	3-Nitroaniline	1100		1	46.0	170	ug/Kg	10/22/25 11:23	PB170180
83-32-9	Acenaphthene	1500		1	21.3	170	ug/Kg	10/22/25 11:23	PB170180
51-28-5	2,4-Dinitrophenol	2600		1	230	330	ug/Kg	10/22/25 11:23	PB170180
100-02-7	4-Nitrophenol	2600		1	110	330	ug/Kg	10/22/25 11:23	PB170180
132-64-9	Dibenzofuran	1400		1	22.7	170	ug/Kg	10/22/25 11:23	PB170180
121-14-2	2,4-Dinitrotoluene	1700		1	50.0	170	ug/Kg	10/22/25 11:23	PB170180
84-66-2	Diethylphthalate	1500		1	28.3	170	ug/Kg	10/22/25 11:23	PB170180
7005-72-3	4-Chlorophenyl-phenylether	1500		1	26.7	170	ug/Kg	10/22/25 11:23	PB170180
86-73-7	Fluorene	1500		1	25.3	170	ug/Kg	10/22/25 11:23	PB170180
100-01-6	4-Nitroaniline	1500		1	64.1	170	ug/Kg	10/22/25 11:23	PB170180
534-52-1	4,6-Dinitro-2-methylphenol	1800		1	100	330	ug/Kg	10/22/25 11:23	PB170180

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PB170180BS
Lab Sample ID: PB170180BS
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 30.03 g Final Vol: 1000 uL
Prep Method : SW3510C Prep Date: 10/21/25

Date Collected:
Date Received:
SDG No.: Q3376
Matrix: SOIL
% Solid: 100
Test: SVOC-TCL BNA -20

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	10/22/25 11:23	PB170180
101-55-3	4-Bromophenyl-phenylether	1500	1	27.8		170	ug/Kg	10/22/25 11:23	PB170180
118-74-1	Hexachlorobenzene	1400	1	25.3		170	ug/Kg	10/22/25 11:23	PB170180
1912-24-9	Atrazine	1600	1	34.0		170	ug/Kg	10/22/25 11:23	PB170180
87-86-5	Pentachlorophenol	2400	1	51.2		330	ug/Kg	10/22/25 11:23	PB170180
85-01-8	Phenanthrene	1500	1	20.9		170	ug/Kg	10/22/25 11:23	PB170180
120-12-7	Anthracene	1500	1	33.3		170	ug/Kg	10/22/25 11:23	PB170180
86-74-8	Carbazole	1500	1	31.2		170	ug/Kg	10/22/25 11:23	PB170180
84-74-2	Di-n-butylphthalate	1500	1	47.9		170	ug/Kg	10/22/25 11:23	PB170180
206-44-0	Fluoranthene	1400	1	30.0		170	ug/Kg	10/22/25 11:23	PB170180
129-00-0	Pyrene	1600	1	36.0		170	ug/Kg	10/22/25 11:23	PB170180
85-68-7	Butylbenzylphthalate	1700	1	71.3		170	ug/Kg	10/22/25 11:23	PB170180
91-94-1	3,3-Dichlorobenzidine	1100	1	36.7		330	ug/Kg	10/22/25 11:23	PB170180
56-55-3	Benzo(a)anthracene	1500	1	23.0		170	ug/Kg	10/22/25 11:23	PB170180
218-01-9	Chrysene	1600	1	19.9		170	ug/Kg	10/22/25 11:23	PB170180
117-81-7	Bis(2-ethylhexyl)phthalate	1600	1	59.1		170	ug/Kg	10/22/25 11:23	PB170180
117-84-0	Di-n-octyl phthalate	1600	1	86.7		330	ug/Kg	10/22/25 11:23	PB170180
205-99-2	Benzo(b)fluoranthene	1400	1	19.0		170	ug/Kg	10/22/25 11:23	PB170180
207-08-9	Benzo(k)fluoranthene	1400	1	22.4		170	ug/Kg	10/22/25 11:23	PB170180
50-32-8	Benzo(a)pyrene	1600	1	29.5		170	ug/Kg	10/22/25 11:23	PB170180
193-39-5	Indeno(1,2,3-cd)pyrene	1900	1	29.1		170	ug/Kg	10/22/25 11:23	PB170180
53-70-3	Dibenzo(a,h)anthracene	1900	1	27.4		170	ug/Kg	10/22/25 11:23	PB170180
191-24-2	Benzo(g,h,i)perylene	1900	1	25.7		170	ug/Kg	10/22/25 11:23	PB170180
95-94-3	1,2,4,5-Tetrachlorobenzene	1600	1	25.6		170	ug/Kg	10/22/25 11:23	PB170180
123-91-1	1,4-Dioxane	1300	1	45.2		170	ug/Kg	10/22/25 11:23	PB170180
58-90-2	2,3,4,6-Tetrachlorophenol	1500	1	27.4		170	ug/Kg	10/22/25 11:23	PB170180

SURROGATES

367-12-4	2-Fluorophenol	116		18 - 112	78%	SPK: 150
13127-88-3	Phenol-d6	118		15 - 107	79%	SPK: 150
4165-60-0	Nitrobenzene-d5	87.1		18 - 107	87%	SPK: 100
321-60-8	2-Fluorobiphenyl	79.6		20 - 109	80%	SPK: 100
118-79-6	2,4,6-Tribromophenol	127		10 - 116	85%	SPK: 150
1718-51-0	Terphenyl-d14	95.9		10 - 105	96%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	120000
1146-65-2	Naphthalene-d8	460000
15067-26-2	Acenaphthene-d10	247000
1517-22-2	Phenanthrene-d10	410000
1719-03-5	Chrysene-d12	219000
1520-96-3	Perylene-d12	214000

Report of Analysis

Client:	AECOM		Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	
Client Sample ID:	PB170180BS		SDG No.:	Q3376
Lab Sample ID:	PB170180BS		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 :	SW3510C	Prep Date: 10/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

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

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: 41-LBMS
Lab Sample ID: Q3402-07MS
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 50.01 g Final Vol: 1000 uL
Prep Method : SW3510C Prep Date: 10/21/25

Date Collected: 10/20/25
Date Received: 10/20/25
SDG No.: Q3376
Matrix: SOIL
% Solid: 65.9
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	840		1	140	300	ug/Kg	10/21/25 19:28	PB170180
108-95-2	Phenol	1500		1	20.1	150	ug/Kg	10/21/25 19:28	PB170180
111-44-4	bis(2-Chloroethyl)ether	1500		1	22.1	150	ug/Kg	10/21/25 19:28	PB170180
95-57-8	2-Chlorophenol	1500		1	22.2	150	ug/Kg	10/21/25 19:28	PB170180
95-48-7	2-Methylphenol	1400		1	27.2	150	ug/Kg	10/21/25 19:28	PB170180
108-60-1	2,2-oxybis(1-Chloropropane)	1500		1	34.1	150	ug/Kg	10/21/25 19:28	PB170180
98-86-2	Acetophenone	1600		1	26.9	150	ug/Kg	10/21/25 19:28	PB170180
65794-96-9	3+4-Methylphenols	1400		1	37.4	300	ug/Kg	10/21/25 19:28	PB170180
621-64-7	n-Nitroso-di-n-propylamine	1400		1	43.1	72.8	ug/Kg	10/21/25 19:28	PB170180
67-72-1	Hexachloroethane	1400		1	16.0	150	ug/Kg	10/21/25 19:28	PB170180
98-95-3	Nitrobenzene	1500		1	16.7	150	ug/Kg	10/21/25 19:28	PB170180
78-59-1	Isophorone	1400		1	29.9	150	ug/Kg	10/21/25 19:28	PB170180
88-75-5	2-Nitrophenol	1700		1	53.0	150	ug/Kg	10/21/25 19:28	PB170180
105-67-9	2,4-Dimethylphenol	1600		1	59.0	150	ug/Kg	10/21/25 19:28	PB170180
111-91-1	bis(2-Chloroethoxy)methane	1500		1	28.0	150	ug/Kg	10/21/25 19:28	PB170180
120-83-2	2,4-Dichlorophenol	1400		1	25.8	150	ug/Kg	10/21/25 19:28	PB170180
91-20-3	Naphthalene	1500		1	20.7	150	ug/Kg	10/21/25 19:28	PB170180
106-47-8	4-Chloroaniline	550		1	32.2	150	ug/Kg	10/21/25 19:28	PB170180
87-68-3	Hexachlorobutadiene	1400		1	23.0	150	ug/Kg	10/21/25 19:28	PB170180
105-60-2	Caprolactam	1500		1	47.4	300	ug/Kg	10/21/25 19:28	PB170180
59-50-7	4-Chloro-3-methylphenol	1400		1	26.1	150	ug/Kg	10/21/25 19:28	PB170180
91-57-6	2-Methylnaphthalene	1300		1	23.3	150	ug/Kg	10/21/25 19:28	PB170180
77-47-4	Hexachlorocyclopentadiene	3200	E	1	110	300	ug/Kg	10/21/25 19:28	PB170180
88-06-2	2,4,6-Trichlorophenol	1500		1	18.0	150	ug/Kg	10/21/25 19:28	PB170180
95-95-4	2,4,5-Trichlorophenol	1500		1	26.5	150	ug/Kg	10/21/25 19:28	PB170180
92-52-4	1,1-Biphenyl	1700		1	19.8	150	ug/Kg	10/21/25 19:28	PB170180
91-58-7	2-Chloronaphthalene	1600		1	20.5	150	ug/Kg	10/21/25 19:28	PB170180
88-74-4	2-Nitroaniline	1700		1	43.8	150	ug/Kg	10/21/25 19:28	PB170180
131-11-3	Dimethylphthalate	1600		1	24.7	150	ug/Kg	10/21/25 19:28	PB170180
208-96-8	Acenaphthylene	1700		1	26.3	150	ug/Kg	10/21/25 19:28	PB170180
606-20-2	2,6-Dinitrotoluene	1800		1	30.6	150	ug/Kg	10/21/25 19:28	PB170180
99-09-2	3-Nitroaniline	1100		1	41.9	150	ug/Kg	10/21/25 19:28	PB170180
83-32-9	Acenaphthene	1500		1	19.4	150	ug/Kg	10/21/25 19:28	PB170180
51-28-5	2,4-Dinitrophenol	2300		1	210	300	ug/Kg	10/21/25 19:28	PB170180
100-02-7	4-Nitrophenol	2600	E	1	97.4	300	ug/Kg	10/21/25 19:28	PB170180
132-64-9	Dibenzofuran	1500		1	20.7	150	ug/Kg	10/21/25 19:28	PB170180
121-14-2	2,4-Dinitrotoluene	1700		1	45.6	150	ug/Kg	10/21/25 19:28	PB170180
84-66-2	Diethylphthalate	1500		1	25.8	150	ug/Kg	10/21/25 19:28	PB170180
7005-72-3	4-Chlorophenyl-phenylether	1400		1	24.3	150	ug/Kg	10/21/25 19:28	PB170180
86-73-7	Fluorene	1500		1	23.0	150	ug/Kg	10/21/25 19:28	PB170180
100-01-6	4-Nitroaniline	1400		1	58.4	150	ug/Kg	10/21/25 19:28	PB170180
534-52-1	4,6-Dinitro-2-methylphenol	1700		1	93.8	300	ug/Kg	10/21/25 19:28	PB170180

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: 41-LBMS
Lab Sample ID: Q3402-07MS
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 50.01 g Final Vol: 1000 uL
Prep Method : SW3510C Prep Date: 10/21/25

Date Collected: 10/20/25
Date Received: 10/20/25
SDG No.: Q3376
Matrix: SOIL
% Solid: 65.9
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	1700		1	29.9	150	ug/Kg	10/21/25 19:28	PB170180
101-55-3	4-Bromophenyl-phenylether	1500		1	25.3	150	ug/Kg	10/21/25 19:28	PB170180
118-74-1	Hexachlorobenzene	1500		1	23.0	150	ug/Kg	10/21/25 19:28	PB170180
1912-24-9	Atrazine	1600		1	30.9	150	ug/Kg	10/21/25 19:28	PB170180
87-86-5	Pentachlorophenol	2500	E	1	46.7	300	ug/Kg	10/21/25 19:28	PB170180
85-01-8	Phenanthrene	1600		1	19.0	150	ug/Kg	10/21/25 19:28	PB170180
120-12-7	Anthracene	1600		1	30.3	150	ug/Kg	10/21/25 19:28	PB170180
86-74-8	Carbazole	1500		1	28.4	150	ug/Kg	10/21/25 19:28	PB170180
84-74-2	Di-n-butylphthalate	1600		1	43.6	150	ug/Kg	10/21/25 19:28	PB170180
206-44-0	Fluoranthene	1600		1	27.3	150	ug/Kg	10/21/25 19:28	PB170180
129-00-0	Pyrene	1200		1	32.8	150	ug/Kg	10/21/25 19:28	PB170180
85-68-7	Butylbenzylphthalate	1500		1	65.0	150	ug/Kg	10/21/25 19:28	PB170180
91-94-1	3,3-Dichlorobenzidine	1400		1	33.4	300	ug/Kg	10/21/25 19:28	PB170180
56-55-3	Benzo(a)anthracene	1600		1	20.9	150	ug/Kg	10/21/25 19:28	PB170180
218-01-9	Chrysene	1600		1	18.1	150	ug/Kg	10/21/25 19:28	PB170180
117-81-7	Bis(2-ethylhexyl)phthalate	1800		1	53.9	150	ug/Kg	10/21/25 19:28	PB170180
117-84-0	Di-n-octyl phthalate	2100		1	79.0	300	ug/Kg	10/21/25 19:28	PB170180
205-99-2	Benzo(b)fluoranthene	1500		1	17.3	150	ug/Kg	10/21/25 19:28	PB170180
207-08-9	Benzo(k)fluoranthene	1400		1	20.4	150	ug/Kg	10/21/25 19:28	PB170180
50-32-8	Benzo(a)pyrene	1600		1	26.9	150	ug/Kg	10/21/25 19:28	PB170180
193-39-5	Indeno(1,2,3-cd)pyrene	1500		1	26.5	150	ug/Kg	10/21/25 19:28	PB170180
53-70-3	Dibenzo(a,h)anthracene	1500		1	24.9	150	ug/Kg	10/21/25 19:28	PB170180
191-24-2	Benzo(g,h,i)perylene	1400		1	23.4	150	ug/Kg	10/21/25 19:28	PB170180
95-94-3	1,2,4,5-Tetrachlorobenzene	1700		1	23.3	150	ug/Kg	10/21/25 19:28	PB170180
123-91-1	1,4-Dioxane	1400		1	41.1	150	ug/Kg	10/21/25 19:28	PB170180
58-90-2	2,3,4,6-Tetrachlorophenol	1400		1	24.9	150	ug/Kg	10/21/25 19:28	PB170180

SURROGATES

367-12-4	2-Fluorophenol	95.0		18 - 112	63%	SPK: 150
13127-88-3	Phenol-d6	93.4		15 - 107	62%	SPK: 150
4165-60-0	Nitrobenzene-d5	63.3		18 - 107	63%	SPK: 100
321-60-8	2-Fluorobiphenyl	46.5		20 - 109	46%	SPK: 100
118-79-6	2,4,6-Tribromophenol	75.3		10 - 116	50%	SPK: 150
1718-51-0	Terphenyl-d14	33.9		10 - 105	34%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	97900
1146-65-2	Naphthalene-d8	362000
15067-26-2	Acenaphthene-d10	172000
1517-22-2	Phenanthrene-d10	252000
1719-03-5	Chrysene-d12	216000
1520-96-3	Perylene-d12	288000

Report of Analysis

Client:	AECOM	Date Collected:	10/20/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/20/25
Client Sample ID:	41-LBMS	SDG No.:	Q3376
Lab Sample ID:	Q3402-07MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	65.9
Sample Wt/Vol:	50.01 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C		
	Level : LOW		
	Final Vol: 1000 uL		
	Prep Date: 10/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

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

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: 41-LBMSD
Lab Sample ID: Q3402-07MSD
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 50.08 g Final Vol: 1000 uL
Prep Method : SW3510C Prep Date: 10/21/25

Date Collected: 10/20/25
Date Received: 10/20/25
SDG No.: Q3376
Matrix: SOIL
% Solid: 65.9
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	850		1	140	300	ug/Kg	10/21/25 19:58	PB170180
108-95-2	Phenol	1500		1	20.1	150	ug/Kg	10/21/25 19:58	PB170180
111-44-4	bis(2-Chloroethyl)ether	1500		1	22.1	150	ug/Kg	10/21/25 19:58	PB170180
95-57-8	2-Chlorophenol	1500		1	22.2	150	ug/Kg	10/21/25 19:58	PB170180
95-48-7	2-Methylphenol	1400		1	27.2	150	ug/Kg	10/21/25 19:58	PB170180
108-60-1	2,2-oxybis(1-Chloropropane)	1400		1	34.1	150	ug/Kg	10/21/25 19:58	PB170180
98-86-2	Acetophenone	1600		1	26.8	150	ug/Kg	10/21/25 19:58	PB170180
65794-96-9	3+4-Methylphenols	1400		1	37.4	300	ug/Kg	10/21/25 19:58	PB170180
621-64-7	n-Nitroso-di-n-propylamine	1400		1	43.1	72.7	ug/Kg	10/21/25 19:58	PB170180
67-72-1	Hexachloroethane	1500		1	16.0	150	ug/Kg	10/21/25 19:58	PB170180
98-95-3	Nitrobenzene	1600		1	16.6	150	ug/Kg	10/21/25 19:58	PB170180
78-59-1	Isophorone	1400		1	29.8	150	ug/Kg	10/21/25 19:58	PB170180
88-75-5	2-Nitrophenol	1700		1	52.9	150	ug/Kg	10/21/25 19:58	PB170180
105-67-9	2,4-Dimethylphenol	1600		1	58.9	150	ug/Kg	10/21/25 19:58	PB170180
111-91-1	bis(2-Chloroethoxy)methane	1500		1	28.0	150	ug/Kg	10/21/25 19:58	PB170180
120-83-2	2,4-Dichlorophenol	1400		1	25.7	150	ug/Kg	10/21/25 19:58	PB170180
91-20-3	Naphthalene	1400		1	20.6	150	ug/Kg	10/21/25 19:58	PB170180
106-47-8	4-Chloroaniline	580		1	32.2	150	ug/Kg	10/21/25 19:58	PB170180
87-68-3	Hexachlorobutadiene	1400		1	23.0	150	ug/Kg	10/21/25 19:58	PB170180
105-60-2	Caprolactam	1500		1	47.4	300	ug/Kg	10/21/25 19:58	PB170180
59-50-7	4-Chloro-3-methylphenol	1400		1	26.1	150	ug/Kg	10/21/25 19:58	PB170180
91-57-6	2-Methylnaphthalene	1300		1	23.3	150	ug/Kg	10/21/25 19:58	PB170180
77-47-4	Hexachlorocyclopentadiene	3100	E	1	110	300	ug/Kg	10/21/25 19:58	PB170180
88-06-2	2,4,6-Trichlorophenol	1500		1	18.0	150	ug/Kg	10/21/25 19:58	PB170180
95-95-4	2,4,5-Trichlorophenol	1500		1	26.5	150	ug/Kg	10/21/25 19:58	PB170180
92-52-4	1,1-Biphenyl	1600		1	19.8	150	ug/Kg	10/21/25 19:58	PB170180
91-58-7	2-Chloronaphthalene	1500		1	20.5	150	ug/Kg	10/21/25 19:58	PB170180
88-74-4	2-Nitroaniline	1600		1	43.7	150	ug/Kg	10/21/25 19:58	PB170180
131-11-3	Dimethylphthalate	1500		1	24.6	150	ug/Kg	10/21/25 19:58	PB170180
208-96-8	Acenaphthylene	1700		1	26.3	150	ug/Kg	10/21/25 19:58	PB170180
606-20-2	2,6-Dinitrotoluene	1700		1	30.5	150	ug/Kg	10/21/25 19:58	PB170180
99-09-2	3-Nitroaniline	1100		1	41.8	150	ug/Kg	10/21/25 19:58	PB170180
83-32-9	Acenaphthene	1500		1	19.4	150	ug/Kg	10/21/25 19:58	PB170180
51-28-5	2,4-Dinitrophenol	2400		1	210	300	ug/Kg	10/21/25 19:58	PB170180
100-02-7	4-Nitrophenol	2500	E	1	97.3	300	ug/Kg	10/21/25 19:58	PB170180
132-64-9	Dibenzofuran	1400		1	20.6	150	ug/Kg	10/21/25 19:58	PB170180
121-14-2	2,4-Dinitrotoluene	1600		1	45.5	150	ug/Kg	10/21/25 19:58	PB170180
84-66-2	Diethylphthalate	1400		1	25.7	150	ug/Kg	10/21/25 19:58	PB170180
7005-72-3	4-Chlorophenyl-phenylether	1400		1	24.3	150	ug/Kg	10/21/25 19:58	PB170180
86-73-7	Fluorene	1400		1	23.0	150	ug/Kg	10/21/25 19:58	PB170180
100-01-6	4-Nitroaniline	1400		1	58.4	150	ug/Kg	10/21/25 19:58	PB170180
534-52-1	4,6-Dinitro-2-methylphenol	1800		1	93.6	300	ug/Kg	10/21/25 19:58	PB170180

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: 41-LBMSD
Lab Sample ID: Q3402-07MSD
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 50.08 g Final Vol: 1000 uL
Prep Method : SW3510C Prep Date: 10/21/25

Date Collected: 10/20/25
Date Received: 10/20/25
SDG No.: Q3376
Matrix: SOIL
% Solid: 65.9
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	1700		1	29.9	150	ug/Kg	10/21/25 19:58	PB170180
101-55-3	4-Bromophenyl-phenylether	1500		1	25.3	150	ug/Kg	10/21/25 19:58	PB170180
118-74-1	Hexachlorobenzene	1400		1	23.0	150	ug/Kg	10/21/25 19:58	PB170180
1912-24-9	Atrazine	1600		1	30.9	150	ug/Kg	10/21/25 19:58	PB170180
87-86-5	Pentachlorophenol	2600	E	1	46.6	300	ug/Kg	10/21/25 19:58	PB170180
85-01-8	Phenanthrene	1500		1	19.0	150	ug/Kg	10/21/25 19:58	PB170180
120-12-7	Anthracene	1500		1	30.3	150	ug/Kg	10/21/25 19:58	PB170180
86-74-8	Carbazole	1500		1	28.4	150	ug/Kg	10/21/25 19:58	PB170180
84-74-2	Di-n-butylphthalate	1600		1	43.5	150	ug/Kg	10/21/25 19:58	PB170180
206-44-0	Fluoranthene	1500		1	27.3	150	ug/Kg	10/21/25 19:58	PB170180
129-00-0	Pyrene	1200		1	32.7	150	ug/Kg	10/21/25 19:58	PB170180
85-68-7	Butylbenzylphthalate	1500		1	64.9	150	ug/Kg	10/21/25 19:58	PB170180
91-94-1	3,3-Dichlorobenzidine	1400		1	33.4	300	ug/Kg	10/21/25 19:58	PB170180
56-55-3	Benzo(a)anthracene	1600		1	20.9	150	ug/Kg	10/21/25 19:58	PB170180
218-01-9	Chrysene	1600		1	18.1	150	ug/Kg	10/21/25 19:58	PB170180
117-81-7	Bis(2-ethylhexyl)phthalate	1700		1	53.8	150	ug/Kg	10/21/25 19:58	PB170180
117-84-0	Di-n-octyl phthalate	2000		1	78.9	300	ug/Kg	10/21/25 19:58	PB170180
205-99-2	Benzo(b)fluoranthene	1500		1	17.3	150	ug/Kg	10/21/25 19:58	PB170180
207-08-9	Benzo(k)fluoranthene	1400		1	20.4	150	ug/Kg	10/21/25 19:58	PB170180
50-32-8	Benzo(a)pyrene	1600		1	26.8	150	ug/Kg	10/21/25 19:58	PB170180
193-39-5	Indeno(1,2,3-cd)pyrene	1500		1	26.5	150	ug/Kg	10/21/25 19:58	PB170180
53-70-3	Dibenzo(a,h)anthracene	1500		1	24.9	150	ug/Kg	10/21/25 19:58	PB170180
191-24-2	Benzo(g,h,i)perylene	1400		1	23.4	150	ug/Kg	10/21/25 19:58	PB170180
95-94-3	1,2,4,5-Tetrachlorobenzene	1700		1	23.3	150	ug/Kg	10/21/25 19:58	PB170180
123-91-1	1,4-Dioxane	1300		1	41.1	150	ug/Kg	10/21/25 19:58	PB170180
58-90-2	2,3,4,6-Tetrachlorophenol	1400		1	24.9	150	ug/Kg	10/21/25 19:58	PB170180

SURROGATES

367-12-4	2-Fluorophenol	92.9		18 - 112	62%	SPK: 150
13127-88-3	Phenol-d6	91.9		15 - 107	61%	SPK: 150
4165-60-0	Nitrobenzene-d5	62.7		18 - 107	63%	SPK: 100
321-60-8	2-Fluorobiphenyl	43.7		20 - 109	44%	SPK: 100
118-79-6	2,4,6-Tribromophenol	75.1		10 - 116	50%	SPK: 150
1718-51-0	Terphenyl-d14	34.4		10 - 105	34%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	106000
1146-65-2	Naphthalene-d8	388000
15067-26-2	Acenaphthene-d10	194000
1517-22-2	Phenanthrene-d10	287000
1719-03-5	Chrysene-d12	224000
1520-96-3	Perylene-d12	293000

Report of Analysis

Client:	AECOM	Date Collected:	10/20/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/20/25
Client Sample ID:	41-LBMSD	SDG No.:	Q3376
Lab Sample ID:	Q3402-07MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	65.9
Sample Wt/Vol:	50.08 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C		
	Level : LOW		
	Final Vol: 1000 uL		
	Prep Date: 10/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



CALIBRATION SUMMARY

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF100625.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Oct 06 15:29:47 2025
 Response Via : Initial Calibration

Calibration Files

2.5 =BF143875.D 5 =BF143876.D 10 =BF143877.D 20 =BF143878.D 40 =BF143879.D 50 =BF143880.D 60 =BF143881.D 80 =BF143882.D

	Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.614	0.595	0.597	0.609	0.544	0.576	0.544	0.583	4.96	
3)	Pyridine	1.691	1.672	1.749	1.772	1.668	1.680	1.644	1.697	2.74	
4)	n-Nitrosodimet...	0.825	0.895	0.909	0.917	0.909	0.900	0.900	0.893	3.81	
5) S	2-Fluorophenol	1.378	1.349	1.352	1.307	1.173	1.177	1.079	1.259	9.15	
6)	Aniline	2.400	2.327	2.361	2.343	2.185	2.134	1.997	2.250	6.58	
7) S	Phenol-d6	1.626	1.631	1.601	1.542	1.404	1.387	1.317	1.501	8.62	
8)	2-Chlorophenol	1.324	1.229	1.274	1.294	1.201	1.182	1.113	1.231	5.90	
9)	Benzaldehyde	1.115	1.026	1.329	1.198	1.390	0.890	1.158	1.158	16.18	
10) C	Phenol	1.934	1.814	1.889	1.841	1.756	1.739	1.589	1.795	6.33	
11)	bis(2-Chloroet...	1.487	1.457	1.467	1.446	1.308	1.302	1.238	1.386	7.25	
12)	1,3-Dichlorobe...	1.742	1.591	1.589	1.516	1.336	1.327	1.215	1.474	12.64	
13) C	1,4-Dichlorobe...	1.653	1.606	1.567	1.499	1.326	1.340	1.185	1.454	11.88	
14)	1,2-Dichlorobe...	1.581	1.507	1.501	1.434	1.283	1.288	1.153	1.392	11.06	
15)	Benzyl Alcohol	1.118	1.138	1.173	1.134	1.104	1.082	1.125	1.125	2.79	
16)	2,2'-oxybis(1-...	3.520	3.385	3.273	3.239	3.008	2.945	2.720	3.156	8.79	
17)	2-Methylphenol	1.064	1.057	1.049	1.054	0.985	0.986	0.927	1.017	5.10	
18)	Hexachloroethane	0.533	0.508	0.515	0.501	0.456	0.464	0.417	0.485	8.39	
19) P	n-Nitroso-di-n...	1.052	1.135	1.134	1.054	1.026	0.970	0.938	0.912	1.028	8.13
20)	3+4-Methylphenols	1.401	1.342	1.266	1.067	1.068	0.933	1.179	1.179	15.58	
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.515	0.461	0.462	0.433	0.374	0.375	0.340	0.423	14.67	
23) S	Nitrobenzene-d5	0.325	0.333	0.347	0.345	0.323	0.325	0.307	0.329	4.19	
24)	Nitrobenzene	0.369	0.349	0.389	0.391	0.352	0.365	0.342	0.366	5.26	
25)	Isophorone	0.754	0.708	0.708	0.705	0.665	0.663	0.656	0.694	5.04	
26) C	2-Nitrophenol	0.121	0.133	0.163	0.174	0.167	0.173	0.166	0.157	13.39	
27)	2,4-Dimethylph...	0.287	0.288	0.292	0.295	0.271	0.278	0.264	0.282	4.08	
28)	bis(2-Chloroet...	0.510	0.474	0.463	0.444	0.398	0.401	0.380	0.438	10.79	
29) C	2,4-Dichloroph...	0.317	0.292	0.313	0.307	0.280	0.282	0.265	0.294	6.54	
30)	1,2,4-Trichlor...	0.331	0.299	0.307	0.298	0.266	0.272	0.249	0.289	9.57	
31)	Naphthalene	1.103	0.996	0.972	0.932	0.817	0.817	0.732	0.910	14.06	
32)	Benzoic acid	0.131	0.173	0.200	0.216	0.222	0.228	0.195	0.195	18.95	
33)	4-Chloroaniline	0.368	0.370	0.357	0.355	0.319	0.321	0.298	0.341	8.20	
34) C	Hexachlorobuta...	0.231	0.214	0.210	0.207	0.183	0.187	0.173	0.201	10.11	
35)	Caprolactam	0.092	0.091	0.095	0.094	0.093	0.094	0.094	0.093	1.59	
36) C	4-Chloro-3-met...	0.301	0.302	0.289	0.287	0.269	0.270	0.256	0.282	6.27	
37)	2-Methylnaphth...	0.742	0.683	0.654	0.616	0.527	0.533	0.487	0.606	15.46	
38)	1-Methylnaphth...	0.719	0.656	0.629	0.605	0.517	0.523	0.465	0.588	15.23	

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39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.610	0.592	0.595	0.590	0.500	0.519	0.464	0.553	10.38	
41) P	Hexachlorocycl...		0.182	0.216	0.257	0.246	0.240	0.235	0.229	11.77	
42) S	2,4,6-Tribromo...	0.194	0.192	0.210	0.207	0.198	0.200	0.193	0.199	3.51	
43) C	2,4,6-Trichlor...	0.408	0.394	0.426	0.445	0.383	0.395	0.376	0.404	6.07	
44)	2,4,5-Trichlor...	0.443	0.444	0.460	0.456	0.401	0.403	0.380	0.427	7.34	
45) S	2-Fluorobiphenyl	1.568	1.424	1.335	1.224	0.984	1.028		1.260	18.04	
46)	1,1'-Biphenyl	1.617	1.476	1.448	1.374	1.134	1.171	1.050	1.324	15.77	
47)	2-Chloronaphth...	1.294	1.196	1.197	1.137	0.988	1.003	0.913	1.104	12.50	
48)	2-Nitroaniline	0.293	0.322	0.371	0.392	0.354	0.365	0.348	0.349	9.43	
49)	Acenaphthylene	1.797	1.701	1.648	1.623	1.386	1.426	1.284	1.552	12.11	
50)	Dimethylphthalate	1.442	1.351	1.334	1.291	1.166	1.202	1.105	1.270	9.29	
51)	2,6-Dinitrotol...	0.201	0.204	0.245	0.262	0.250	0.250	0.237	0.236	10.13	
52) C	Acenaphthene	1.177	1.115	1.096	1.052	0.897	0.934	0.847	1.017	12.21	
53)	3-Nitroaniline	0.256	0.270	0.306	0.306	0.296	0.298	0.286	0.288	6.59	
54) P	2,4-Dinitrophenol		0.061	0.094	0.120	0.143	0.144	0.146	0.118	29.25	
55)	Dibenzofuran	1.680	1.608	1.572	1.494	1.253	1.295	1.149	1.436	14.13	
56) P	4-Nitrophenol		0.173	0.215	0.234	0.230	0.228	0.230	0.218	10.55	
57)	2,4-Dinitrotol...	0.252	0.284	0.341	0.365	0.335	0.346	0.320	0.320	12.30	
58)	Fluorene	1.393	1.266	1.173	1.097	0.897	0.922	0.835	1.083	19.21	
59)	2,3,4,6-Tetrac...	0.276	0.303	0.315	0.325	0.300	0.309	0.288	0.302	5.49	
60)	Diethylphthalate	1.319	1.281	1.273	1.222	1.070	1.105	0.989	1.180	10.62	
61)	4-Chlorophenyl...	0.689	0.662	0.626	0.596	0.485	0.505	0.446	0.573	16.43	
62)	4-Nitroaniline	0.257	0.259	0.285	0.292	0.287	0.288	0.274	0.277	5.25	
63)	Azobenzene	1.387	1.331	1.308	1.280	1.114	1.156	1.055	1.233	10.10	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...		0.065	0.092	0.111	0.112	0.114	0.110	0.101	19.26	
66) c	n-Nitrosodiphe...	0.712	0.683	0.675	0.656	0.560	0.584	0.527	0.628	11.22	
67)	4-Bromophenyl-...	0.247	0.234	0.231	0.231	0.201	0.207	0.196	0.221	8.74	
68)	Hexachlorobenzene	0.277	0.268	0.263	0.267	0.242	0.245	0.231	0.256	6.59	
69)	Atrazine	0.197	0.206	0.213	0.195	0.184	0.177	0.161	0.190	9.44	
70) C	Pentachlorophenol		0.117	0.152	0.157	0.154	0.154	0.147	0.147	10.10	
71)	Phenanthrene	1.164	1.092	1.066	0.976	0.842	0.872	0.775	0.970	14.94	
72)	Anthracene	1.161	1.097	1.057	1.025	0.854	0.881	0.781	0.980	14.43	
73)	Carbazole	1.015	0.962	0.939	0.884	0.766	0.804	0.703	0.868	13.10	
74)	Di-n-butylphth...	1.089	1.094	1.108	1.053	0.910	0.954	0.830	1.005	10.76	
75) C	Fluoranthene	1.156	1.153	1.094	1.032	0.876	0.910	0.789	1.002	14.43	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine		0.701	0.719	0.761	0.651	0.640		0.694	7.16	
78)	Pyrene	1.838	1.663	1.769	1.863	1.541	1.578	1.420	1.667	9.87	
79) S	Terphenyl-d14	1.301	1.209	1.271	1.279	1.066	1.080	0.984	1.170	10.70	
80)	Butylbenzylpht...	0.466	0.503	0.579	0.620	0.545	0.553	0.524	0.542	9.31	
81)	Benzo(a)anthra...	1.342	1.347	1.354	1.398	1.232	1.291	1.198	1.309	5.49	
82)	3,3'-Dichlorob...		0.364	0.403	0.440	0.401	0.404	0.381	0.399	6.41	
83)	Chrysene	1.373	1.188	1.267	1.294	1.116	1.126	1.115	1.211	8.41	
84)	Bis(2-ethylhex...	0.591	0.619	0.687	0.739	0.642	0.672	0.619	0.653	7.70	
85) c	Di-n-octyl pht...		0.837	1.009	1.194	1.108	1.151	1.133	1.072	12.19	

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86) I	Perylene-d12	-----ISTD-----								
87)	Indeno(1,2,3-c...	1.114	1.104	1.222	1.393	1.235	1.263	1.248	1.225	7.97
88)	Benzo(b)fluora...	1.207	1.138	1.131	1.269	1.095	1.202	1.000	1.149	7.63
89)	Benzo(k)fluora...	1.138	1.173	1.228	1.108	0.923	0.921	0.951	1.063	12.11
90) C	Benzo(a)pyrene	1.000	1.006	1.037	1.102	0.936	0.970	0.923	0.996	6.17
91)	Dibenzo(a,h)an...	0.888	0.915	1.015	1.128	0.975	1.007	0.972	0.986	7.89
92)	Benzo(g,h,i)pe...	0.889	0.888	0.983	1.117	0.991	1.018	1.014	0.986	8.08

(#) = Out of Range

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 =BG064575.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

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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)	Butylbenzylphth...	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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>AECO02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3376</u>
Instrument ID:	<u>BNA_F</u>	Calibration Date/Time:	<u>10/21/2025 13:29</u>
Lab File ID:	<u>BF144009.D</u>	Init. Calib. Date(s):	<u>10/06/2025 10/06/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>09:59 14:22</u>
GC Column:	<u>DB-UI</u>	ID:	<u>0.18</u> (mm)

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>AECO02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3376</u>
Instrument ID:	<u>BNA_F</u>	Calibration Date/Time:	<u>10/21/2025 13:29</u>
Lab File ID:	<u>BF144009.D</u>	Init. Calib. Date(s):	<u>10/06/2025 10/06/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>09:59 14:22</u>
GC Column:	<u>DB-UI</u>	ID:	<u>0.18</u> (mm)

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

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>AECO02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3376</u>
Instrument ID:	<u>BNA_F</u>	Calibration Date/Time:	<u>10/22/2025 10:25</u>
Lab File ID:	<u>BF144032.D</u>	Init. Calib. Date(s):	<u>10/06/2025 10/06/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>09:59 14:22</u>
GC Column:	<u>DB-UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.259	1.263		0.3	
Benzaldehyde	1.158	1.176		1.6	
Phenol-d6	1.501	1.459		-2.8	
Phenol	1.795	1.838		2.4	20.0
bis(2-Chloroethyl)ether	1.386	1.342		-3.2	
2-Chlorophenol	1.231	1.205		-2.1	
2-Methylphenol	1.017	0.970		-4.6	
2,2-oxybis(1-Chloropropane)	3.156	3.068		-2.8	
Acetophenone	0.423	0.389		-8.0	
3+4-Methylphenols	1.179	1.144		-3.0	
n-Nitroso-di-n-propylamine	1.028	0.930	0.050	-9.5	
Nitrobenzene-d5	0.329	0.331		0.6	
Hexachloroethane	0.485	0.469		-3.3	
Nitrobenzene	0.366	0.366		0.0	
Isophorone	0.694	0.630		-9.2	
2-Nitrophenol	0.157	0.173		10.2	20.0
2,4-Dimethylphenol	0.282	0.273		-3.2	
bis(2-Chloroethoxy)methane	0.438	0.417		-4.8	
2,4-Dichlorophenol	0.294	0.284		-3.4	20.0
Naphthalene	0.910	0.867		-4.7	
4-Chloroaniline	0.341	0.317		-7.0	
Hexachlorobutadiene	0.201	0.185		-8.0	20.0
Caprolactam	0.093	0.078		-16.1	
4-Chloro-3-methylphenol	0.282	0.258		-8.5	20.0
2-Methylnaphthalene	0.606	0.564		-6.9	
Hexachlorocyclopentadiene	0.229	0.198	0.050	-13.5	
2,4,6-Trichlorophenol	0.404	0.385		-4.7	20.0
2-Fluorobiphenyl	1.260	1.173		-6.9	
2,4,5-Trichlorophenol	0.427	0.416		-2.6	
1,1-Biphenyl	1.324	1.285		-2.9	
2-Chloronaphthalene	1.104	1.102		-0.2	
2-Nitroaniline	0.349	0.359		2.9	
Dimethylphthalate	1.270	1.174		-7.6	
Acenaphthylene	1.552	1.488		-4.1	
2,6-Dinitrotoluene	0.236	0.245		3.8	
3-Nitroaniline	0.288	0.288		0.0	
Acenaphthene	1.017	0.988		-2.9	20.0
2,4-Dinitrophenol	0.118	0.150	0.050	27.1	
4-Nitrophenol	0.218	0.221	0.050	1.4	

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>AECO02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3376</u>
Instrument ID:	<u>BNA_F</u>	Calibration Date/Time:	<u>10/22/2025 10:25</u>
Lab File ID:	<u>BF144032.D</u>	Init. Calib. Date(s):	<u>10/06/2025 10/06/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>09:59 14:22</u>
GC Column:	<u>DB-UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.436	1.365		-4.9	
2,4-Dinitrotoluene	0.320	0.327		2.2	
Diethylphthalate	1.180	1.076		-8.8	
4-Chlorophenyl-phenylether	0.573	0.537		-6.3	
Fluorene	1.083	1.034		-4.5	
4-Nitroaniline	0.277	0.251		-9.4	
4,6-Dinitro-2-methylphenol	0.101	0.105		4.0	
n-Nitrosodiphenylamine	0.628	0.632		0.6	20.0
2,4,6-Tribromophenol	0.199	0.170		-14.6	
4-Bromophenyl-phenylether	0.221	0.208		-5.9	
Hexachlorobenzene	0.256	0.236		-7.8	
Atrazine	0.190	0.170		-10.5	
Pentachlorophenol	0.147	0.133		-9.5	20.0
Phenanthrene	0.970	0.937		-3.4	
Anthracene	0.980	0.950		-3.1	
Carbazole	0.868	0.813		-6.3	
Di-n-butylphthalate	1.005	0.932		-7.3	
Fluoranthene	1.002	0.880		-12.2	20.0
Pyrene	1.667	1.786		7.1	
Terphenyl-d14	1.170	1.232		5.3	
Butylbenzylphthalate	0.542	0.552		1.8	
3,3-Dichlorobenzidine	0.399	0.405		1.5	
Benzo (a) anthracene	1.309	1.289		-1.5	
Chrysene	1.211	1.219		0.7	
Bis(2-ethylhexyl)phthalate	0.653	0.682		4.4	
Di-n-octyl phthalate	1.072	1.265		18.0	20.0
Benzo (b) fluoranthene	1.149	0.981		-14.6	
Benzo (k) fluoranthene	1.063	0.999		-6.0	
Benzo (a) pyrene	0.996	0.976		-2.0	20.0
Indeno (1,2,3-cd) pyrene	1.225	1.460		19.2	
Dibenzo (a,h) anthracene	0.986	1.180		19.7	
Benzo (g,h,i) perylene	0.986	1.193		21.0	
1,2,4,5-Tetrachlorobenzene	0.553	0.552		-0.2	
1,4-Dioxane	0.583	0.579		-0.7	20.0
2,3,4,6-Tetrachlorophenol	0.302	0.272		-9.9	

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>AEC002</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3376</u>
Instrument ID:	<u>BNA_G</u>	Calibration Date/Time:	<u>10/28/2025 13:45</u>
Lab File ID:	<u>BG064600.D</u>	Init. Calib. Date(s):	<u>10/24/2025 10/24/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>09:00 15:32</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

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

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>AECO02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3376</u>
Instrument ID:	<u>BNA_G</u>	Calibration Date/Time:	<u>10/28/2025 13:45</u>
Lab File ID:	<u>BG064600.D</u>	Init. Calib. Date(s):	<u>10/24/2025 10/24/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>09:00 15:32</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

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

All other compounds must meet a minimum RRF of 0.010.