

LAB CHRONICLE

OrderID:	Q3393	OrderDate:	10/17/2025 4:23:00 PM
Client:	AECOM	Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC -
Contact:	Rob Forstner	Location:	60993705-1719208 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3393-01	PR132-S10-000022-2 0251017	SOIL			10/17/25			10/17/25
			SVOC-TCL BNA -20	8270E		10/21/25	10/22/25	
Q3393-02	PR132-S10-022047-2 0251017	SOIL			10/17/25			10/17/25
			SVOC-TCL BNA -20	8270E		10/21/25	10/21/25	
Q3393-03	PR132-S08-013038-2 0251017	SOIL			10/17/25			10/17/25
			SVOC-TCL BNA -20	8270E		10/21/25	10/22/25	
Q3393-04	PR132-S06-000021-2 0251017	SOIL			10/17/25			10/17/25
			SVOC-TCL BNA -20	8270E		10/21/25	10/22/25	
Q3393-05	PR132-S08-000013-2 0251017	SOIL			10/17/25			10/17/25
			SVOC-TCL BNA -20	8270E		10/21/25	10/22/25	

Hit Summary Sheet SW-846

SDG No.: Q3393
Client: AECOM

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : PR132-S10-000022-20251017								
Q3393-01	PR132-S10-000022-2025	SOIL	Phenanthrene	150.000	J	37.3	300	ug/Kg
Q3393-01	PR132-S10-000022-2025	SOIL	Fluoranthene	160.000	J	53.5	300	ug/Kg
			Total Svoc :			310.00		
Q3393-01	PR132-S10-000022-2025	SOIL	Benzophenone	*	210.000	J 0	0	ug/Kg
			Total Tics :			210.00		
			Total Concentration:			520.00		
Client ID : PR132-S10-022047-20251017								
Q3393-02	PR132-S10-022047-2025	SOIL	Benzophenone	*	340.000	J 0	0	ug/Kg
			Total Tics :			340.00		
			Total Concentration:			340.00		
Client ID : PR132-S08-013038-20251017								
Q3393-03	PR132-S08-013038-2025	SOIL	Phenanthrene	190.000	J	39.5	320	ug/Kg
Q3393-03	PR132-S08-013038-2025	SOIL	Fluoranthene	190.000	J	56.7	320	ug/Kg
			Total Svoc :			380.00		
Q3393-03	PR132-S08-013038-2025	SOIL	1-Decene, 4-methyl-	*	150.000	J 0	0	ug/Kg
Q3393-03	PR132-S08-013038-2025	SOIL	Benzophenone	*	240.000	J 0	0	ug/Kg
Q3393-03	PR132-S08-013038-2025	SOIL	Undecane, 2,6-dimethyl-	*	140.000	J 0	0	ug/Kg
			Total Tics :			530.00		
			Total Concentration:			910.00		
Client ID : PR132-S06-000021-20251017								
Q3393-04	PR132-S06-000021-2025	SOIL	Benzophenone	*	300.000	J 0	0	ug/Kg
			Total Tics :			300.00		
			Total Concentration:			300.00		
Client ID : PR132-S08-000013-20251017								
Q3393-05	PR132-S08-000013-2025	SOIL	Acenaphthene	140.000	J	40.9	330	ug/Kg
Q3393-05	PR132-S08-000013-2025	SOIL	Phenanthrene	290.000	J	40.1	330	ug/Kg
Q3393-05	PR132-S08-000013-2025	SOIL	Fluoranthene	190.000	J	57.6	330	ug/Kg
			Total Svoc :			620.00		
Q3393-05	PR132-S08-000013-2025	SOIL	Benzophenone	*	390.000	J 0	0	ug/Kg
Q3393-05	PR132-S08-000013-2025	SOIL	n-Hexadecanoic acid	*	140.000	J 0	0	ug/Kg
			Total Tics :			530.00		
			Total Concentration:			1,150.00		



SAMPLE DATA

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-S10-000022-20251017
Lab Sample ID: Q3393-01
Analytical Method: 8270E Level: LOW
Sample Wt/Vol: 30.05 g Final Vol: 1000 uL
Prep Method: SW3541 Prep Date: 10/21/25

Date Collected: 10/17/25
Date Received: 10/17/25
SDG No.: Q3393
Matrix: SOIL
% Solid: 56
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	590	U	1	280	590	ug/Kg	10/22/25 12:26	PB170180
108-95-2	Phenol	300	U	1	39.4	300	ug/Kg	10/22/25 12:26	PB170180
111-44-4	bis(2-Chloroethyl)ether	300	U	1	43.3	300	ug/Kg	10/22/25 12:26	PB170180
95-57-8	2-Chlorophenol	300	U	1	43.5	300	ug/Kg	10/22/25 12:26	PB170180
95-48-7	2-Methylphenol	300	U	1	53.3	300	ug/Kg	10/22/25 12:26	PB170180
108-60-1	2,2-oxybis(1-Chloropropane)	300	U	1	66.9	300	ug/Kg	10/22/25 12:26	PB170180
98-86-2	Acetophenone	300	U	1	52.6	300	ug/Kg	10/22/25 12:26	PB170180
65794-96-9	3+4-Methylphenols	590	U	1	73.3	590	ug/Kg	10/22/25 12:26	PB170180
621-64-7	n-Nitroso-di-n-propylamine	140	U	1	84.5	140	ug/Kg	10/22/25 12:26	PB170180
67-72-1	Hexachloroethane	300	U	1	31.4	300	ug/Kg	10/22/25 12:26	PB170180
98-95-3	Nitrobenzene	300	U	1	32.6	300	ug/Kg	10/22/25 12:26	PB170180
78-59-1	Isophorone	300	U	1	58.5	300	ug/Kg	10/22/25 12:26	PB170180
88-75-5	2-Nitrophenol	300	U	1	100	300	ug/Kg	10/22/25 12:26	PB170180
105-67-9	2,4-Dimethylphenol	300	U	1	120	300	ug/Kg	10/22/25 12:26	PB170180
111-91-1	bis(2-Chloroethoxy)methane	300	U	1	54.9	300	ug/Kg	10/22/25 12:26	PB170180
120-83-2	2,4-Dichlorophenol	300	U	1	50.5	300	ug/Kg	10/22/25 12:26	PB170180
91-20-3	Naphthalene	300	U	1	40.5	300	ug/Kg	10/22/25 12:26	PB170180
106-47-8	4-Chloroaniline	300	U	1	63.1	300	ug/Kg	10/22/25 12:26	PB170180
87-68-3	Hexachlorobutadiene	300	U	1	45.1	300	ug/Kg	10/22/25 12:26	PB170180
105-60-2	Caprolactam	590	U	1	92.9	590	ug/Kg	10/22/25 12:26	PB170180
59-50-7	4-Chloro-3-methylphenol	300	U	1	51.2	300	ug/Kg	10/22/25 12:26	PB170180
91-57-6	2-Methylnaphthalene	300	U	1	45.6	300	ug/Kg	10/22/25 12:26	PB170180
77-47-4	Hexachlorocyclopentadiene	590	U	1	210	590	ug/Kg	10/22/25 12:26	PB170180
88-06-2	2,4,6-Trichlorophenol	300	U	1	35.3	300	ug/Kg	10/22/25 12:26	PB170180
95-95-4	2,4,5-Trichlorophenol	300	U	1	51.9	300	ug/Kg	10/22/25 12:26	PB170180
92-52-4	1,1-Biphenyl	300	U	1	38.9	300	ug/Kg	10/22/25 12:26	PB170180
91-58-7	2-Chloronaphthalene	300	U	1	40.1	300	ug/Kg	10/22/25 12:26	PB170180
88-74-4	2-Nitroaniline	300	U	1	85.7	300	ug/Kg	10/22/25 12:26	PB170180
131-11-3	Dimethylphthalate	300	U	1	48.3	300	ug/Kg	10/22/25 12:26	PB170180
208-96-8	Acenaphthylene	300	U	1	51.5	300	ug/Kg	10/22/25 12:26	PB170180
606-20-2	2,6-Dinitrotoluene	300	UQ	1	59.9	300	ug/Kg	10/22/25 12:26	PB170180
99-09-2	3-Nitroaniline	300	U	1	82.0	300	ug/Kg	10/22/25 12:26	PB170180
83-32-9	Acenaphthene	300	U	1	38.0	300	ug/Kg	10/22/25 12:26	PB170180
51-28-5	2,4-Dinitrophenol	590	U	1	410	590	ug/Kg	10/22/25 12:26	PB170180
100-02-7	4-Nitrophenol	590	U	1	190	590	ug/Kg	10/22/25 12:26	PB170180
132-64-9	Dibenzofuran	300	U	1	40.5	300	ug/Kg	10/22/25 12:26	PB170180
121-14-2	2,4-Dinitrotoluene	300	U	1	89.3	300	ug/Kg	10/22/25 12:26	PB170180
84-66-2	Diethylphthalate	300	U	1	50.5	300	ug/Kg	10/22/25 12:26	PB170180
7005-72-3	4-Chlorophenyl-phenylether	300	U	1	47.6	300	ug/Kg	10/22/25 12:26	PB170180
86-73-7	Fluorene	300	U	1	45.1	300	ug/Kg	10/22/25 12:26	PB170180
100-01-6	4-Nitroaniline	300	U	1	110	300	ug/Kg	10/22/25 12:26	PB170180
534-52-1	4,6-Dinitro-2-methylphenol	590	U	1	180	590	ug/Kg	10/22/25 12:26	PB170180

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-S10-000022-20251017
Lab Sample ID: Q3393-01
Analytical Method: 8270E Level: LOW
Sample Wt/Vol: 30.05 g Final Vol: 1000 uL
Prep Method: SW3541 Prep Date: 10/21/25

Date Collected: 10/17/25
Date Received: 10/17/25
SDG No.: Q3393
Matrix: SOIL
% Solid: 56
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	300	U	1	58.7	300	ug/Kg	10/22/25 12:26	PB170180
101-55-3	4-Bromophenyl-phenylether	300	U	1	49.6	300	ug/Kg	10/22/25 12:26	PB170180
118-74-1	Hexachlorobenzene	300	U	1	45.1	300	ug/Kg	10/22/25 12:26	PB170180
1912-24-9	Atrazine	300	U	1	60.6	300	ug/Kg	10/22/25 12:26	PB170180
87-86-5	Pentachlorophenol	590	U	1	91.5	590	ug/Kg	10/22/25 12:26	PB170180
85-01-8	Phenanthrene	150	J	1	37.3	300	ug/Kg	10/22/25 12:26	PB170180
120-12-7	Anthracene	300	U	1	59.4	300	ug/Kg	10/22/25 12:26	PB170180
86-74-8	Carbazole	300	U	1	55.6	300	ug/Kg	10/22/25 12:26	PB170180
84-74-2	Di-n-butylphthalate	300	U	1	85.4	300	ug/Kg	10/22/25 12:26	PB170180
206-44-0	Fluoranthene	160	J	1	53.5	300	ug/Kg	10/22/25 12:26	PB170180
129-00-0	Pyrene	300	U	1	64.2	300	ug/Kg	10/22/25 12:26	PB170180
85-68-7	Butylbenzylphthalate	300	U	1	130	300	ug/Kg	10/22/25 12:26	PB170180
91-94-1	3,3-Dichlorobenzidine	590	U	1	65.4	590	ug/Kg	10/22/25 12:26	PB170180
56-55-3	Benzo(a)anthracene	300	U	1	41.0	300	ug/Kg	10/22/25 12:26	PB170180
218-01-9	Chrysene	300	U	1	35.5	300	ug/Kg	10/22/25 12:26	PB170180
117-81-7	Bis(2-ethylhexyl)phthalate	300	U	1	110	300	ug/Kg	10/22/25 12:26	PB170180
117-84-0	Di-n-octyl phthalate	590	U	1	150	590	ug/Kg	10/22/25 12:26	PB170180
205-99-2	Benzo(b)fluoranthene	300	U	1	33.9	300	ug/Kg	10/22/25 12:26	PB170180
207-08-9	Benzo(k)fluoranthene	300	U	1	39.9	300	ug/Kg	10/22/25 12:26	PB170180
50-32-8	Benzo(a)pyrene	300	U	1	52.6	300	ug/Kg	10/22/25 12:26	PB170180
193-39-5	Indeno(1,2,3-cd)pyrene	300	UQ	1	51.9	300	ug/Kg	10/22/25 12:26	PB170180
53-70-3	Dibenzo(a,h)anthracene	300	U	1	48.8	300	ug/Kg	10/22/25 12:26	PB170180
191-24-2	Benzo(g,h,i)perylene	300	UQ	1	45.8	300	ug/Kg	10/22/25 12:26	PB170180
95-94-3	1,2,4,5-Tetrachlorobenzene	300	U	1	45.6	300	ug/Kg	10/22/25 12:26	PB170180
123-91-1	1,4-Dioxane	300	U	1	80.6	300	ug/Kg	10/22/25 12:26	PB170180
58-90-2	2,3,4,6-Tetrachlorophenol	300	U	1	48.8	300	ug/Kg	10/22/25 12:26	PB170180

SURROGATES

367-12-4	2-Fluorophenol	43.3		18 - 112	29%	SPK: 150
13127-88-3	Phenol-d6	40.8		15 - 107	27%	SPK: 150
4165-60-0	Nitrobenzene-d5	26.2		18 - 107	26%	SPK: 100
321-60-8	2-Fluorobiphenyl	26.0		20 - 109	26%	SPK: 100
118-79-6	2,4,6-Tribromophenol	36.7		10 - 116	24%	SPK: 150
1718-51-0	Terphenyl-d14	22.3		10 - 105	22%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	90800
1146-65-2	Naphthalene-d8	335000
15067-26-2	Acenaphthene-d10	161000
1517-22-2	Phenanthrene-d10	270000
1719-03-5	Chrysene-d12	235000
1520-96-3	Perylene-d12	281000

TENTATIVE IDENTIFIED COMPOUNDS

000119-61-9	Benzophenone	210	J		10.6	ug/Kg
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Report of Analysis

Client:	AECOM	Date Collected:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/17/25
Client Sample ID:	PR132-S10-000022-20251017	SDG No.:	Q3393
Lab Sample ID:	Q3393-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	56
Sample Wt/Vol:	30.05 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541		
	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: PR132-S10-022047-20251017
Lab Sample ID: Q3393-02
Analytical Method: 8270E Level: LOW
Sample Wt/Vol: 30.04 g Final Vol: 1000 uL
Prep Method: SW3541 Prep Date: 10/21/25

Date Collected: 10/17/25
Date Received: 10/17/25
SDG No.: Q3393
Matrix: SOIL
% Solid: 54
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 23:51	PB170180
108-95-2	Phenol	310	U	1	40.9	310	ug/Kg	10/21/25 23:51	PB170180
111-44-4	bis(2-Chloroethyl)ether	310	U	1	44.9	310	ug/Kg	10/21/25 23:51	PB170180
95-57-8	2-Chlorophenol	310	U	1	45.1	310	ug/Kg	10/21/25 23:51	PB170180
95-48-7	2-Methylphenol	310	U	1	55.3	310	ug/Kg	10/21/25 23:51	PB170180
108-60-1	2,2-oxybis(1-Chloropropane)	310	U	1	69.4	310	ug/Kg	10/21/25 23:51	PB170180
98-86-2	Acetophenone	310	U	1	54.6	310	ug/Kg	10/21/25 23:51	PB170180
65794-96-9	3+4-Methylphenols	610	U	1	76.0	610	ug/Kg	10/21/25 23:51	PB170180
621-64-7	n-Nitroso-di-n-propylamine	150	U	1	87.7	150	ug/Kg	10/21/25 23:51	PB170180
67-72-1	Hexachloroethane	310	U	1	32.5	310	ug/Kg	10/21/25 23:51	PB170180
98-95-3	Nitrobenzene	310	U	1	33.8	310	ug/Kg	10/21/25 23:51	PB170180
78-59-1	Isophorone	310	U	1	60.7	310	ug/Kg	10/21/25 23:51	PB170180
88-75-5	2-Nitrophenol	310	U	1	110	310	ug/Kg	10/21/25 23:51	PB170180
105-67-9	2,4-Dimethylphenol	310	U	1	120	310	ug/Kg	10/21/25 23:51	PB170180
111-91-1	bis(2-Chloroethoxy)methane	310	U	1	57.0	310	ug/Kg	10/21/25 23:51	PB170180
120-83-2	2,4-Dichlorophenol	310	U	1	52.3	310	ug/Kg	10/21/25 23:51	PB170180
91-20-3	Naphthalene	310	U	1	42.0	310	ug/Kg	10/21/25 23:51	PB170180
106-47-8	4-Chloroaniline	310	U	1	65.5	310	ug/Kg	10/21/25 23:51	PB170180
87-68-3	Hexachlorobutadiene	310	U	1	46.8	310	ug/Kg	10/21/25 23:51	PB170180
105-60-2	Caprolactam	610	U	1	96.4	610	ug/Kg	10/21/25 23:51	PB170180
59-50-7	4-Chloro-3-methylphenol	310	U	1	53.1	310	ug/Kg	10/21/25 23:51	PB170180
91-57-6	2-Methylnaphthalene	310	U	1	47.3	310	ug/Kg	10/21/25 23:51	PB170180
77-47-4	Hexachlorocyclopentadiene	610	U	1	210	610	ug/Kg	10/21/25 23:51	PB170180
88-06-2	2,4,6-Trichlorophenol	310	U	1	36.6	310	ug/Kg	10/21/25 23:51	PB170180
95-95-4	2,4,5-Trichlorophenol	310	U	1	53.8	310	ug/Kg	10/21/25 23:51	PB170180
92-52-4	1,1-Biphenyl	310	U	1	40.3	310	ug/Kg	10/21/25 23:51	PB170180
91-58-7	2-Chloronaphthalene	310	U	1	41.6	310	ug/Kg	10/21/25 23:51	PB170180
88-74-4	2-Nitroaniline	310	U	1	89.0	310	ug/Kg	10/21/25 23:51	PB170180
131-11-3	Dimethylphthalate	310	U	1	50.1	310	ug/Kg	10/21/25 23:51	PB170180
208-96-8	Acenaphthylene	310	U	1	53.4	310	ug/Kg	10/21/25 23:51	PB170180
606-20-2	2,6-Dinitrotoluene	310	UQ	1	62.1	310	ug/Kg	10/21/25 23:51	PB170180
99-09-2	3-Nitroaniline	310	U	1	85.1	310	ug/Kg	10/21/25 23:51	PB170180
83-32-9	Acenaphthene	310	U	1	39.4	310	ug/Kg	10/21/25 23:51	PB170180
51-28-5	2,4-Dinitrophenol	610	U	1	420	610	ug/Kg	10/21/25 23:51	PB170180
100-02-7	4-Nitrophenol	610	U	1	200	610	ug/Kg	10/21/25 23:51	PB170180
132-64-9	Dibenzofuran	310	U	1	42.0	310	ug/Kg	10/21/25 23:51	PB170180
121-14-2	2,4-Dinitrotoluene	310	U	1	92.7	310	ug/Kg	10/21/25 23:51	PB170180
84-66-2	Diethylphthalate	310	U	1	52.3	310	ug/Kg	10/21/25 23:51	PB170180
7005-72-3	4-Chlorophenyl-phenylether	310	U	1	49.4	310	ug/Kg	10/21/25 23:51	PB170180
86-73-7	Fluorene	310	U	1	46.8	310	ug/Kg	10/21/25 23:51	PB170180
100-01-6	4-Nitroaniline	310	U	1	120	310	ug/Kg	10/21/25 23:51	PB170180
534-52-1	4,6-Dinitro-2-methylphenol	610	U	1	190	610	ug/Kg	10/21/25 23:51	PB170180

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-S10-022047-20251017
Lab Sample ID: Q3393-02
Analytical Method: 8270E Level: LOW
Sample Wt/Vol: 30.04 g Final Vol: 1000 uL
Prep Method: SW3541 Prep Date: 10/21/25

Date Collected: 10/17/25
Date Received: 10/17/25
SDG No.: Q3393
Matrix: SOIL
% Solid: 54
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	310	U	1	60.8	310	ug/Kg	10/21/25 23:51	PB170180
101-55-3	4-Bromophenyl-phenylether	310	U	1	51.4	310	ug/Kg	10/21/25 23:51	PB170180
118-74-1	Hexachlorobenzene	310	U	1	46.8	310	ug/Kg	10/21/25 23:51	PB170180
1912-24-9	Atrazine	310	U	1	62.9	310	ug/Kg	10/21/25 23:51	PB170180
87-86-5	Pentachlorophenol	610	U	1	94.9	610	ug/Kg	10/21/25 23:51	PB170180
85-01-8	Phenanthrene	310	U	1	38.7	310	ug/Kg	10/21/25 23:51	PB170180
120-12-7	Anthracene	310	U	1	61.6	310	ug/Kg	10/21/25 23:51	PB170180
86-74-8	Carbazole	310	U	1	57.7	310	ug/Kg	10/21/25 23:51	PB170180
84-74-2	Di-n-butylphthalate	310	U	1	88.6	310	ug/Kg	10/21/25 23:51	PB170180
206-44-0	Fluoranthene	310	U	1	55.5	310	ug/Kg	10/21/25 23:51	PB170180
129-00-0	Pyrene	310	U	1	66.6	310	ug/Kg	10/21/25 23:51	PB170180
85-68-7	Butylbenzylphthalate	310	U	1	130	310	ug/Kg	10/21/25 23:51	PB170180
91-94-1	3,3-Dichlorobenzidine	610	U	1	67.9	610	ug/Kg	10/21/25 23:51	PB170180
56-55-3	Benzo(a)anthracene	310	U	1	42.5	310	ug/Kg	10/21/25 23:51	PB170180
218-01-9	Chrysene	310	U	1	36.8	310	ug/Kg	10/21/25 23:51	PB170180
117-81-7	Bis(2-ethylhexyl)phthalate	310	U	1	110	310	ug/Kg	10/21/25 23:51	PB170180
117-84-0	Di-n-octyl phthalate	610	U	1	160	610	ug/Kg	10/21/25 23:51	PB170180
205-99-2	Benzo(b)fluoranthene	310	U	1	35.1	310	ug/Kg	10/21/25 23:51	PB170180
207-08-9	Benzo(k)fluoranthene	310	U	1	41.4	310	ug/Kg	10/21/25 23:51	PB170180
50-32-8	Benzo(a)pyrene	310	U	1	54.6	310	ug/Kg	10/21/25 23:51	PB170180
193-39-5	Indeno(1,2,3-cd)pyrene	310	UQ	1	53.8	310	ug/Kg	10/21/25 23:51	PB170180
53-70-3	Dibenzo(a,h)anthracene	310	U	1	50.7	310	ug/Kg	10/21/25 23:51	PB170180
191-24-2	Benzo(g,h,i)perylene	310	UQ	1	47.5	310	ug/Kg	10/21/25 23:51	PB170180
95-94-3	1,2,4,5-Tetrachlorobenzene	310	U	1	47.3	310	ug/Kg	10/21/25 23:51	PB170180
123-91-1	1,4-Dioxane	310	U	1	83.6	310	ug/Kg	10/21/25 23:51	PB170180
58-90-2	2,3,4,6-Tetrachlorophenol	310	U	1	50.7	310	ug/Kg	10/21/25 23:51	PB170180

SURROGATES

367-12-4	2-Fluorophenol	65.8		18 - 112	44%	SPK: 150
13127-88-3	Phenol-d6	63.2		15 - 107	42%	SPK: 150
4165-60-0	Nitrobenzene-d5	42.8		18 - 107	43%	SPK: 100
321-60-8	2-Fluorobiphenyl	34.4		20 - 109	34%	SPK: 100
118-79-6	2,4,6-Tribromophenol	44.7		10 - 116	30%	SPK: 150
1718-51-0	Terphenyl-d14	27.7		10 - 105	28%	SPK: 100

INTERNAL STANDARDS

	Area Count
3855-82-1 1,4-Dichlorobenzene-d4	96300
1146-65-2 Naphthalene-d8	360000
15067-26-2 Acenaphthene-d10	172000
1517-22-2 Phenanthrene-d10	260000
1719-03-5 Chrysene-d12	240000
1520-96-3 Perylene-d12	288000

TENTATIVE IDENTIFIED COMPOUNDS

000119-61-9 Benzophenone	340	J	10.6	ug/Kg
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Report of Analysis

Client:	AECOM	Date Collected:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/17/25
Client Sample ID:	PR132-S10-022047-20251017	SDG No.:	Q3393
Lab Sample ID:	Q3393-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	54
Sample Wt/Vol:	30.04 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541		
	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: PR132-S08-013038-20251017
Lab Sample ID: Q3393-03
Analytical Method: 8270E Level: LOW
Sample Wt/Vol: 30.06 g Final Vol: 1000 uL
Prep Method: SW3541 Prep Date: 10/21/25

Date Collected: 10/17/25
Date Received: 10/17/25
SDG No.: Q3393
Matrix: SOIL
% Solid: 52.8
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	620	U	1	290	620	ug/Kg	10/22/25 13:24	PB170180
108-95-2	Phenol	320	U	1	41.8	320	ug/Kg	10/22/25 13:24	PB170180
111-44-4	bis(2-Chloroethyl)ether	320	U	1	45.9	320	ug/Kg	10/22/25 13:24	PB170180
95-57-8	2-Chlorophenol	320	U	1	46.1	320	ug/Kg	10/22/25 13:24	PB170180
95-48-7	2-Methylphenol	320	U	1	56.5	320	ug/Kg	10/22/25 13:24	PB170180
108-60-1	2,2-oxybis(1-Chloropropane)	320	U	1	70.9	320	ug/Kg	10/22/25 13:24	PB170180
98-86-2	Acetophenone	320	U	1	55.8	320	ug/Kg	10/22/25 13:24	PB170180
65794-96-9	3+4-Methylphenols	620	U	1	77.7	620	ug/Kg	10/22/25 13:24	PB170180
621-64-7	n-Nitroso-di-n-propylamine	150	U	1	89.6	150	ug/Kg	10/22/25 13:24	PB170180
67-72-1	Hexachloroethane	320	U	1	33.3	320	ug/Kg	10/22/25 13:24	PB170180
98-95-3	Nitrobenzene	320	U	1	34.6	320	ug/Kg	10/22/25 13:24	PB170180
78-59-1	Isophorone	320	U	1	62.0	320	ug/Kg	10/22/25 13:24	PB170180
88-75-5	2-Nitrophenol	320	U	1	110	320	ug/Kg	10/22/25 13:24	PB170180
105-67-9	2,4-Dimethylphenol	320	U	1	120	320	ug/Kg	10/22/25 13:24	PB170180
111-91-1	bis(2-Chloroethoxy)methane	320	U	1	58.2	320	ug/Kg	10/22/25 13:24	PB170180
120-83-2	2,4-Dichlorophenol	320	U	1	53.5	320	ug/Kg	10/22/25 13:24	PB170180
91-20-3	Naphthalene	320	U	1	42.9	320	ug/Kg	10/22/25 13:24	PB170180
106-47-8	4-Chloroaniline	320	U	1	66.9	320	ug/Kg	10/22/25 13:24	PB170180
87-68-3	Hexachlorobutadiene	320	U	1	47.8	320	ug/Kg	10/22/25 13:24	PB170180
105-60-2	Caprolactam	620	U	1	98.5	620	ug/Kg	10/22/25 13:24	PB170180
59-50-7	4-Chloro-3-methylphenol	320	U	1	54.2	320	ug/Kg	10/22/25 13:24	PB170180
91-57-6	2-Methylnaphthalene	320	U	1	48.4	320	ug/Kg	10/22/25 13:24	PB170180
77-47-4	Hexachlorocyclopentadiene	620	U	1	220	620	ug/Kg	10/22/25 13:24	PB170180
88-06-2	2,4,6-Trichlorophenol	320	U	1	37.4	320	ug/Kg	10/22/25 13:24	PB170180
95-95-4	2,4,5-Trichlorophenol	320	U	1	55.0	320	ug/Kg	10/22/25 13:24	PB170180
92-52-4	1,1-Biphenyl	320	U	1	41.2	320	ug/Kg	10/22/25 13:24	PB170180
91-58-7	2-Chloronaphthalene	320	U	1	42.5	320	ug/Kg	10/22/25 13:24	PB170180
88-74-4	2-Nitroaniline	320	U	1	90.9	320	ug/Kg	10/22/25 13:24	PB170180
131-11-3	Dimethylphthalate	320	U	1	51.2	320	ug/Kg	10/22/25 13:24	PB170180
208-96-8	Acenaphthylene	320	U	1	54.6	320	ug/Kg	10/22/25 13:24	PB170180
606-20-2	2,6-Dinitrotoluene	320	UQ	1	63.5	320	ug/Kg	10/22/25 13:24	PB170180
99-09-2	3-Nitroaniline	320	U	1	86.9	320	ug/Kg	10/22/25 13:24	PB170180
83-32-9	Acenaphthene	320	U	1	40.3	320	ug/Kg	10/22/25 13:24	PB170180
51-28-5	2,4-Dinitrophenol	620	U	1	430	620	ug/Kg	10/22/25 13:24	PB170180
100-02-7	4-Nitrophenol	620	U	1	200	620	ug/Kg	10/22/25 13:24	PB170180
132-64-9	Dibenzofuran	320	U	1	42.9	320	ug/Kg	10/22/25 13:24	PB170180
121-14-2	2,4-Dinitrotoluene	320	U	1	94.7	320	ug/Kg	10/22/25 13:24	PB170180
84-66-2	Diethylphthalate	320	U	1	53.5	320	ug/Kg	10/22/25 13:24	PB170180
7005-72-3	4-Chlorophenyl-phenylether	320	U	1	50.5	320	ug/Kg	10/22/25 13:24	PB170180
86-73-7	Fluorene	320	U	1	47.8	320	ug/Kg	10/22/25 13:24	PB170180
100-01-6	4-Nitroaniline	320	U	1	120	320	ug/Kg	10/22/25 13:24	PB170180
534-52-1	4,6-Dinitro-2-methylphenol	620	U	1	190	620	ug/Kg	10/22/25 13:24	PB170180

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-S08-013038-20251017
Lab Sample ID: Q3393-03
Analytical Method: 8270E Level: LOW
Sample Wt/Vol: 30.06 g Final Vol: 1000 uL
Prep Method: SW3541 Prep Date: 10/21/25

Date Collected: 10/17/25
Date Received: 10/17/25
SDG No.: Q3393
Matrix: SOIL
% Solid: 52.8
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	320	U	1	62.2	320	ug/Kg	10/22/25 13:24	PB170180
101-55-3	4-Bromophenyl-phenylether	320	U	1	52.5	320	ug/Kg	10/22/25 13:24	PB170180
118-74-1	Hexachlorobenzene	320	U	1	47.8	320	ug/Kg	10/22/25 13:24	PB170180
1912-24-9	Atrazine	320	U	1	64.3	320	ug/Kg	10/22/25 13:24	PB170180
87-86-5	Pentachlorophenol	620	U	1	97.0	620	ug/Kg	10/22/25 13:24	PB170180
85-01-8	Phenanthrene	190	J	1	39.5	320	ug/Kg	10/22/25 13:24	PB170180
120-12-7	Anthracene	320	U	1	62.9	320	ug/Kg	10/22/25 13:24	PB170180
86-74-8	Carbazole	320	U	1	59.0	320	ug/Kg	10/22/25 13:24	PB170180
84-74-2	Di-n-butylphthalate	320	U	1	90.5	320	ug/Kg	10/22/25 13:24	PB170180
206-44-0	Fluoranthene	190	J	1	56.7	320	ug/Kg	10/22/25 13:24	PB170180
129-00-0	Pyrene	320	U	1	68.0	320	ug/Kg	10/22/25 13:24	PB170180
85-68-7	Butylbenzylphthalate	320	U	1	130	320	ug/Kg	10/22/25 13:24	PB170180
91-94-1	3,3-Dichlorobenzidine	620	U	1	69.4	620	ug/Kg	10/22/25 13:24	PB170180
56-55-3	Benzo(a)anthracene	320	U	1	43.5	320	ug/Kg	10/22/25 13:24	PB170180
218-01-9	Chrysene	320	U	1	37.6	320	ug/Kg	10/22/25 13:24	PB170180
117-81-7	Bis(2-ethylhexyl)phthalate	320	U	1	110	320	ug/Kg	10/22/25 13:24	PB170180
117-84-0	Di-n-octyl phthalate	620	U	1	160	620	ug/Kg	10/22/25 13:24	PB170180
205-99-2	Benzo(b)fluoranthene	320	U	1	35.9	320	ug/Kg	10/22/25 13:24	PB170180
207-08-9	Benzo(k)fluoranthene	320	U	1	42.3	320	ug/Kg	10/22/25 13:24	PB170180
50-32-8	Benzo(a)pyrene	320	U	1	55.8	320	ug/Kg	10/22/25 13:24	PB170180
193-39-5	Indeno(1,2,3-cd)pyrene	320	UQ	1	55.0	320	ug/Kg	10/22/25 13:24	PB170180
53-70-3	Dibenzo(a,h)anthracene	320	U	1	51.8	320	ug/Kg	10/22/25 13:24	PB170180
191-24-2	Benzo(g,h,i)perylene	320	UQ	1	48.6	320	ug/Kg	10/22/25 13:24	PB170180
95-94-3	1,2,4,5-Tetrachlorobenzene	320	U	1	48.4	320	ug/Kg	10/22/25 13:24	PB170180
123-91-1	1,4-Dioxane	320	U	1	85.4	320	ug/Kg	10/22/25 13:24	PB170180
58-90-2	2,3,4,6-Tetrachlorophenol	320	U	1	51.8	320	ug/Kg	10/22/25 13:24	PB170180

SURROGATES

367-12-4	2-Fluorophenol	63.0		18 - 112	42%	SPK: 150
13127-88-3	Phenol-d6	59.0		15 - 107	39%	SPK: 150
4165-60-0	Nitrobenzene-d5	39.4		18 - 107	39%	SPK: 100
321-60-8	2-Fluorobiphenyl	36.0		20 - 109	36%	SPK: 100
118-79-6	2,4,6-Tribromophenol	41.3		10 - 116	28%	SPK: 150
1718-51-0	Terphenyl-d14	29.5		10 - 105	29%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	87600
1146-65-2	Naphthalene-d8	317000
15067-26-2	Acenaphthene-d10	155000
1517-22-2	Phenanthrene-d10	247000
1719-03-5	Chrysene-d12	223000
1520-96-3	Perylene-d12	266000

TENTATIVE IDENTIFIED COMPOUNDS

017301-23-4	Undecane, 2,6-dimethyl-	140	J	8.22	ug/Kg
013151-29-6	1-Decene, 4-methyl-	150	J	9.63	ug/Kg

Report of Analysis

Client:	AECOM	Date Collected:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/17/25
Client Sample ID:	PR132-S08-013038-20251017	SDG No.:	Q3393
Lab Sample ID:	Q3393-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	52.8
Sample Wt/Vol:	30.06 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541		
	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
000119-61-9	Benzophenone	240	J			10.6	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-S06-000021-20251017
Lab Sample ID: Q3393-04
Analytical Method: 8270E Level: LOW
Sample Wt/Vol: 30.09 g Final Vol: 1000 uL
Prep Method: SW3541 Prep Date: 10/21/25

Date Collected: 10/17/25
Date Received: 10/17/25
SDG No.: Q3393
Matrix: SOIL
% Solid: 56.2
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	590	U	1	280	590	ug/Kg	10/22/25 12:55	PB170180
108-95-2	Phenol	300	U	1	39.2	300	ug/Kg	10/22/25 12:55	PB170180
111-44-4	bis(2-Chloroethyl)ether	300	U	1	43.1	300	ug/Kg	10/22/25 12:55	PB170180
95-57-8	2-Chlorophenol	300	U	1	43.3	300	ug/Kg	10/22/25 12:55	PB170180
95-48-7	2-Methylphenol	300	U	1	53.0	300	ug/Kg	10/22/25 12:55	PB170180
108-60-1	2,2-oxybis(1-Chloropropane)	300	U	1	66.5	300	ug/Kg	10/22/25 12:55	PB170180
98-86-2	Acetophenone	300	U	1	52.3	300	ug/Kg	10/22/25 12:55	PB170180
65794-96-9	3+4-Methylphenols	590	U	1	72.9	590	ug/Kg	10/22/25 12:55	PB170180
621-64-7	n-Nitroso-di-n-propylamine	140	U	1	84.1	140	ug/Kg	10/22/25 12:55	PB170180
67-72-1	Hexachloroethane	300	U	1	31.2	300	ug/Kg	10/22/25 12:55	PB170180
98-95-3	Nitrobenzene	300	U	1	32.5	300	ug/Kg	10/22/25 12:55	PB170180
78-59-1	Isophorone	300	U	1	58.2	300	ug/Kg	10/22/25 12:55	PB170180
88-75-5	2-Nitrophenol	300	U	1	100	300	ug/Kg	10/22/25 12:55	PB170180
105-67-9	2,4-Dimethylphenol	300	U	1	110	300	ug/Kg	10/22/25 12:55	PB170180
111-91-1	bis(2-Chloroethoxy)methane	300	U	1	54.6	300	ug/Kg	10/22/25 12:55	PB170180
120-83-2	2,4-Dichlorophenol	300	U	1	50.2	300	ug/Kg	10/22/25 12:55	PB170180
91-20-3	Naphthalene	300	U	1	40.3	300	ug/Kg	10/22/25 12:55	PB170180
106-47-8	4-Chloroaniline	300	U	1	62.8	300	ug/Kg	10/22/25 12:55	PB170180
87-68-3	Hexachlorobutadiene	300	U	1	44.9	300	ug/Kg	10/22/25 12:55	PB170180
105-60-2	Caprolactam	590	U	1	92.4	590	ug/Kg	10/22/25 12:55	PB170180
59-50-7	4-Chloro-3-methylphenol	300	U	1	50.9	300	ug/Kg	10/22/25 12:55	PB170180
91-57-6	2-Methylnaphthalene	300	U	1	45.4	300	ug/Kg	10/22/25 12:55	PB170180
77-47-4	Hexachlorocyclopentadiene	590	U	1	210	590	ug/Kg	10/22/25 12:55	PB170180
88-06-2	2,4,6-Trichlorophenol	300	U	1	35.1	300	ug/Kg	10/22/25 12:55	PB170180
95-95-4	2,4,5-Trichlorophenol	300	U	1	51.6	300	ug/Kg	10/22/25 12:55	PB170180
92-52-4	1,1-Biphenyl	300	U	1	38.7	300	ug/Kg	10/22/25 12:55	PB170180
91-58-7	2-Chloronaphthalene	300	U	1	39.9	300	ug/Kg	10/22/25 12:55	PB170180
88-74-4	2-Nitroaniline	300	U	1	85.3	300	ug/Kg	10/22/25 12:55	PB170180
131-11-3	Dimethylphthalate	300	U	1	48.1	300	ug/Kg	10/22/25 12:55	PB170180
208-96-8	Acenaphthylene	300	U	1	51.3	300	ug/Kg	10/22/25 12:55	PB170180
606-20-2	2,6-Dinitrotoluene	300	UQ	1	59.6	300	ug/Kg	10/22/25 12:55	PB170180
99-09-2	3-Nitroaniline	300	U	1	81.6	300	ug/Kg	10/22/25 12:55	PB170180
83-32-9	Acenaphthene	300	U	1	37.8	300	ug/Kg	10/22/25 12:55	PB170180
51-28-5	2,4-Dinitrophenol	590	U	1	410	590	ug/Kg	10/22/25 12:55	PB170180
100-02-7	4-Nitrophenol	590	U	1	190	590	ug/Kg	10/22/25 12:55	PB170180
132-64-9	Dibenzofuran	300	U	1	40.3	300	ug/Kg	10/22/25 12:55	PB170180
121-14-2	2,4-Dinitrotoluene	300	U	1	88.9	300	ug/Kg	10/22/25 12:55	PB170180
84-66-2	Diethylphthalate	300	U	1	50.2	300	ug/Kg	10/22/25 12:55	PB170180
7005-72-3	4-Chlorophenyl-phenylether	300	U	1	47.4	300	ug/Kg	10/22/25 12:55	PB170180
86-73-7	Fluorene	300	U	1	44.9	300	ug/Kg	10/22/25 12:55	PB170180
100-01-6	4-Nitroaniline	300	U	1	110	300	ug/Kg	10/22/25 12:55	PB170180
534-52-1	4,6-Dinitro-2-methylphenol	590	U	1	180	590	ug/Kg	10/22/25 12:55	PB170180

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-S06-000021-20251017
Lab Sample ID: Q3393-04
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 30.09 g Final Vol: 1000 uL
Prep Method : SW3541 Prep Date: 10/21/25

Date Collected: 10/17/25
Date Received: 10/17/25
SDG No.: Q3393
Matrix: SOIL
% Solid: 56.2
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	300	U	1	58.4	300	ug/Kg	10/22/25 12:55	PB170180
101-55-3	4-Bromophenyl-phenylether	300	U	1	49.3	300	ug/Kg	10/22/25 12:55	PB170180
118-74-1	Hexachlorobenzene	300	U	1	44.9	300	ug/Kg	10/22/25 12:55	PB170180
1912-24-9	Atrazine	300	U	1	60.3	300	ug/Kg	10/22/25 12:55	PB170180
87-86-5	Pentachlorophenol	590	U	1	91.0	590	ug/Kg	10/22/25 12:55	PB170180
85-01-8	Phenanthrene	300	U	1	37.1	300	ug/Kg	10/22/25 12:55	PB170180
120-12-7	Anthracene	300	U	1	59.1	300	ug/Kg	10/22/25 12:55	PB170180
86-74-8	Carbazole	300	U	1	55.4	300	ug/Kg	10/22/25 12:55	PB170180
84-74-2	Di-n-butylphthalate	300	U	1	85.0	300	ug/Kg	10/22/25 12:55	PB170180
206-44-0	Fluoranthene	300	U	1	53.2	300	ug/Kg	10/22/25 12:55	PB170180
129-00-0	Pyrene	300	U	1	63.9	300	ug/Kg	10/22/25 12:55	PB170180
85-68-7	Butylbenzylphthalate	300	U	1	130	300	ug/Kg	10/22/25 12:55	PB170180
91-94-1	3,3-Dichlorobenzidine	590	U	1	65.1	590	ug/Kg	10/22/25 12:55	PB170180
56-55-3	Benzo(a)anthracene	300	U	1	40.8	300	ug/Kg	10/22/25 12:55	PB170180
218-01-9	Chrysene	300	U	1	35.3	300	ug/Kg	10/22/25 12:55	PB170180
117-81-7	Bis(2-ethylhexyl)phthalate	300	U	1	110	300	ug/Kg	10/22/25 12:55	PB170180
117-84-0	Di-n-octyl phthalate	590	U	1	150	590	ug/Kg	10/22/25 12:55	PB170180
205-99-2	Benzo(b)fluoranthene	300	U	1	33.7	300	ug/Kg	10/22/25 12:55	PB170180
207-08-9	Benzo(k)fluoranthene	300	U	1	39.7	300	ug/Kg	10/22/25 12:55	PB170180
50-32-8	Benzo(a)pyrene	300	U	1	52.3	300	ug/Kg	10/22/25 12:55	PB170180
193-39-5	Indeno(1,2,3-cd)pyrene	300	UQ	1	51.6	300	ug/Kg	10/22/25 12:55	PB170180
53-70-3	Dibenzo(a,h)anthracene	300	U	1	48.6	300	ug/Kg	10/22/25 12:55	PB170180
191-24-2	Benzo(g,h,i)perylene	300	UQ	1	45.6	300	ug/Kg	10/22/25 12:55	PB170180
95-94-3	1,2,4,5-Tetrachlorobenzene	300	U	1	45.4	300	ug/Kg	10/22/25 12:55	PB170180
123-91-1	1,4-Dioxane	300	U	1	80.2	300	ug/Kg	10/22/25 12:55	PB170180
58-90-2	2,3,4,6-Tetrachlorophenol	300	U	1	48.6	300	ug/Kg	10/22/25 12:55	PB170180

SURROGATES

367-12-4	2-Fluorophenol	68.8		18 - 112	46%	SPK: 150
13127-88-3	Phenol-d6	64.5		15 - 107	43%	SPK: 150
4165-60-0	Nitrobenzene-d5	45.2		18 - 107	45%	SPK: 100
321-60-8	2-Fluorobiphenyl	38.4		20 - 109	38%	SPK: 100
118-79-6	2,4,6-Tribromophenol	51.0		10 - 116	34%	SPK: 150
1718-51-0	Terphenyl-d14	30.5		10 - 105	30%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	86100
1146-65-2	Naphthalene-d8	309000
15067-26-2	Acenaphthene-d10	160000
1517-22-2	Phenanthrene-d10	262000
1719-03-5	Chrysene-d12	218000
1520-96-3	Perylene-d12	261000

TENTATIVE IDENTIFIED COMPOUNDS

000119-61-9	Benzophenone	300	J		10.6	ug/Kg
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Report of Analysis

Client:	AECOM		Date Collected:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/17/25
Client Sample ID:	PR132-S06-000021-20251017		SDG No.:	Q3393
Lab Sample ID:	Q3393-04		Matrix:	SOIL
Analytical Method:	8270E	Level : LOW	% Solid:	56.2
Sample Wt/Vol:	30.09 g	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	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-S08-000013-20251017
Lab Sample ID: Q3393-05
Analytical Method: 8270E Level: LOW
Sample Wt/Vol: 30.05 g Final Vol: 1000 uL
Prep Method: SW3541 Prep Date: 10/21/25

Date Collected: 10/17/25
Date Received: 10/17/25
SDG No.: Q3393
Matrix: SOIL
% Solid: 52
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	630	U	1	300	630	ug/Kg	10/22/25 11:57	PB170180
108-95-2	Phenol	330	U	1	42.4	330	ug/Kg	10/22/25 11:57	PB170180
111-44-4	bis(2-Chloroethyl)ether	330	U	1	46.7	330	ug/Kg	10/22/25 11:57	PB170180
95-57-8	2-Chlorophenol	330	U	1	46.8	330	ug/Kg	10/22/25 11:57	PB170180
95-48-7	2-Methylphenol	330	U	1	57.4	330	ug/Kg	10/22/25 11:57	PB170180
108-60-1	2,2-oxybis(1-Chloropropane)	330	U	1	72.0	330	ug/Kg	10/22/25 11:57	PB170180
98-86-2	Acetophenone	330	U	1	56.6	330	ug/Kg	10/22/25 11:57	PB170180
65794-96-9	3+4-Methylphenols	630	U	1	78.9	630	ug/Kg	10/22/25 11:57	PB170180
621-64-7	n-Nitroso-di-n-propylamine	150	U	1	91.0	150	ug/Kg	10/22/25 11:57	PB170180
67-72-1	Hexachloroethane	330	U	1	33.8	330	ug/Kg	10/22/25 11:57	PB170180
98-95-3	Nitrobenzene	330	U	1	35.1	330	ug/Kg	10/22/25 11:57	PB170180
78-59-1	Isophorone	330	U	1	63.0	330	ug/Kg	10/22/25 11:57	PB170180
88-75-5	2-Nitrophenol	330	U	1	110	330	ug/Kg	10/22/25 11:57	PB170180
105-67-9	2,4-Dimethylphenol	330	U	1	120	330	ug/Kg	10/22/25 11:57	PB170180
111-91-1	bis(2-Chloroethoxy)methane	330	U	1	59.1	330	ug/Kg	10/22/25 11:57	PB170180
120-83-2	2,4-Dichlorophenol	330	U	1	54.3	330	ug/Kg	10/22/25 11:57	PB170180
91-20-3	Naphthalene	330	U	1	43.6	330	ug/Kg	10/22/25 11:57	PB170180
106-47-8	4-Chloroaniline	330	U	1	68.0	330	ug/Kg	10/22/25 11:57	PB170180
87-68-3	Hexachlorobutadiene	330	U	1	48.6	330	ug/Kg	10/22/25 11:57	PB170180
105-60-2	Caprolactam	630	U	1	100	630	ug/Kg	10/22/25 11:57	PB170180
59-50-7	4-Chloro-3-methylphenol	330	U	1	55.1	330	ug/Kg	10/22/25 11:57	PB170180
91-57-6	2-Methylnaphthalene	330	U	1	49.1	330	ug/Kg	10/22/25 11:57	PB170180
77-47-4	Hexachlorocyclopentadiene	630	U	1	220	630	ug/Kg	10/22/25 11:57	PB170180
88-06-2	2,4,6-Trichlorophenol	330	U	1	38.0	330	ug/Kg	10/22/25 11:57	PB170180
95-95-4	2,4,5-Trichlorophenol	330	U	1	55.9	330	ug/Kg	10/22/25 11:57	PB170180
92-52-4	1,1-Biphenyl	330	U	1	41.9	330	ug/Kg	10/22/25 11:57	PB170180
91-58-7	2-Chloronaphthalene	330	U	1	43.2	330	ug/Kg	10/22/25 11:57	PB170180
88-74-4	2-Nitroaniline	330	U	1	92.3	330	ug/Kg	10/22/25 11:57	PB170180
131-11-3	Dimethylphthalate	330	U	1	52.0	330	ug/Kg	10/22/25 11:57	PB170180
208-96-8	Acenaphthylene	330	U	1	55.5	330	ug/Kg	10/22/25 11:57	PB170180
606-20-2	2,6-Dinitrotoluene	330	UQ	1	64.5	330	ug/Kg	10/22/25 11:57	PB170180
99-09-2	3-Nitroaniline	330	U	1	88.3	330	ug/Kg	10/22/25 11:57	PB170180
83-32-9	Acenaphthene	140	J	1	40.9	330	ug/Kg	10/22/25 11:57	PB170180
51-28-5	2,4-Dinitrophenol	630	U	1	440	630	ug/Kg	10/22/25 11:57	PB170180
100-02-7	4-Nitrophenol	630	U	1	210	630	ug/Kg	10/22/25 11:57	PB170180
132-64-9	Dibenzofuran	330	U	1	43.6	330	ug/Kg	10/22/25 11:57	PB170180
121-14-2	2,4-Dinitrotoluene	330	U	1	96.2	330	ug/Kg	10/22/25 11:57	PB170180
84-66-2	Diethylphthalate	330	U	1	54.3	330	ug/Kg	10/22/25 11:57	PB170180
7005-72-3	4-Chlorophenyl-phenylether	330	U	1	51.3	330	ug/Kg	10/22/25 11:57	PB170180
86-73-7	Fluorene	330	U	1	48.6	330	ug/Kg	10/22/25 11:57	PB170180
100-01-6	4-Nitroaniline	330	U	1	120	330	ug/Kg	10/22/25 11:57	PB170180
534-52-1	4,6-Dinitro-2-methylphenol	630	U	1	200	630	ug/Kg	10/22/25 11:57	PB170180

Report of Analysis

Client: AECOM
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Client Sample ID: PR132-S08-000013-20251017
Lab Sample ID: Q3393-05
Analytical Method: 8270E Level: LOW
Sample Wt/Vol: 30.05 g Final Vol: 1000 uL
Prep Method: SW3541 Prep Date: 10/21/25

Date Collected: 10/17/25
Date Received: 10/17/25
SDG No.: Q3393
Matrix: SOIL
% Solid: 52
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	63.2	330	ug/Kg	10/22/25 11:57	PB170180
101-55-3	4-Bromophenyl-phenylether	330	U	1	53.4	330	ug/Kg	10/22/25 11:57	PB170180
118-74-1	Hexachlorobenzene	330	U	1	48.6	330	ug/Kg	10/22/25 11:57	PB170180
1912-24-9	Atrazine	330	U	1	65.3	330	ug/Kg	10/22/25 11:57	PB170180
87-86-5	Pentachlorophenol	630	U	1	98.5	630	ug/Kg	10/22/25 11:57	PB170180
85-01-8	Phenanthrene	290	J	1	40.1	330	ug/Kg	10/22/25 11:57	PB170180
120-12-7	Anthracene	330	U	1	63.9	330	ug/Kg	10/22/25 11:57	PB170180
86-74-8	Carbazole	330	U	1	59.9	330	ug/Kg	10/22/25 11:57	PB170180
84-74-2	Di-n-butylphthalate	330	U	1	92.0	330	ug/Kg	10/22/25 11:57	PB170180
206-44-0	Fluoranthene	190	J	1	57.6	330	ug/Kg	10/22/25 11:57	PB170180
129-00-0	Pyrene	330	U	1	69.1	330	ug/Kg	10/22/25 11:57	PB170180
85-68-7	Butylbenzylphthalate	330	U	1	140	330	ug/Kg	10/22/25 11:57	PB170180
91-94-1	3,3-Dichlorobenzidine	630	U	1	70.5	630	ug/Kg	10/22/25 11:57	PB170180
56-55-3	Benzo(a)anthracene	330	U	1	44.2	330	ug/Kg	10/22/25 11:57	PB170180
218-01-9	Chrysene	330	U	1	38.2	330	ug/Kg	10/22/25 11:57	PB170180
117-81-7	Bis(2-ethylhexyl)phthalate	330	U	1	110	330	ug/Kg	10/22/25 11:57	PB170180
117-84-0	Di-n-octyl phthalate	630	U	1	170	630	ug/Kg	10/22/25 11:57	PB170180
205-99-2	Benzo(b)fluoranthene	330	U	1	36.5	330	ug/Kg	10/22/25 11:57	PB170180
207-08-9	Benzo(k)fluoranthene	330	U	1	43.0	330	ug/Kg	10/22/25 11:57	PB170180
50-32-8	Benzo(a)pyrene	330	U	1	56.6	330	ug/Kg	10/22/25 11:57	PB170180
193-39-5	Indeno(1,2,3-cd)pyrene	330	UQ	1	55.9	330	ug/Kg	10/22/25 11:57	PB170180
53-70-3	Dibenzo(a,h)anthracene	330	U	1	52.6	330	ug/Kg	10/22/25 11:57	PB170180
191-24-2	Benzo(g,h,i)perylene	330	UQ	1	49.3	330	ug/Kg	10/22/25 11:57	PB170180
95-94-3	1,2,4,5-Tetrachlorobenzene	330	U	1	49.1	330	ug/Kg	10/22/25 11:57	PB170180
123-91-1	1,4-Dioxane	330	U	1	86.8	330	ug/Kg	10/22/25 11:57	PB170180
58-90-2	2,3,4,6-Tetrachlorophenol	330	U	1	52.6	330	ug/Kg	10/22/25 11:57	PB170180

SURROGATES

367-12-4	2-Fluorophenol	77.4		18 - 112	52%	SPK: 150
13127-88-3	Phenol-d6	75.0		15 - 107	50%	SPK: 150
4165-60-0	Nitrobenzene-d5	51.3		18 - 107	51%	SPK: 100
321-60-8	2-Fluorobiphenyl	44.2		20 - 109	44%	SPK: 100
118-79-6	2,4,6-Tribromophenol	64.2		10 - 116	43%	SPK: 150
1718-51-0	Terphenyl-d14	33.4		10 - 105	33%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	88300
1146-65-2	Naphthalene-d8	319000
15067-26-2	Acenaphthene-d10	158000
1517-22-2	Phenanthrene-d10	269000
1719-03-5	Chrysene-d12	225000
1520-96-3	Perylene-d12	269000

TENTATIVE IDENTIFIED COMPOUNDS

000119-61-9	Benzophenone	390	J	10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	140	J	11.9	ug/Kg

Report of Analysis

Client:	AECOM	Date Collected:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/17/25
Client Sample ID:	PR132-S08-000013-20251017	SDG No.:	Q3393
Lab Sample ID:	Q3393-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	52
Sample Wt/Vol:	30.05 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541		
	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



QC SUMMARY

Surrogate Summary

SW-846

SDG No.: Q3393

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
Q3393-01	PR132-S10-000022-20251017	2-Fluorophenol	150	43.3	29		18	112
		Phenol-d6	150	40.8	27		15	107
		Nitrobenzene-d5	100	26.2	26		18	107
		2-Fluorobiphenyl	100	26.0	26		20	109
		2,4,6-Tribromophenol	150	36.7	24		10	116
		Terphenyl-d14	100	22.3	22		10	105
Q3393-02	PR132-S10-022047-20251017	2-Fluorophenol	150	65.8	44		18	112
		Phenol-d6	150	63.2	42		15	107
		Nitrobenzene-d5	100	42.8	43		18	107
		2-Fluorobiphenyl	100	34.4	34		20	109
		2,4,6-Tribromophenol	150	44.7	30		10	116
		Terphenyl-d14	100	27.7	28		10	105
Q3393-03	PR132-S08-013038-20251017	2-Fluorophenol	150	63.0	42		18	112
		Phenol-d6	150	59.0	39		15	107
		Nitrobenzene-d5	100	39.4	39		18	107
		2-Fluorobiphenyl	100	36.0	36		20	109
		2,4,6-Tribromophenol	150	41.3	28		10	116
		Terphenyl-d14	100	29.5	29		10	105
Q3393-04	PR132-S06-000021-20251017	2-Fluorophenol	150	68.8	46		18	112
		Phenol-d6	150	64.5	43		15	107
		Nitrobenzene-d5	100	45.2	45		18	107
		2-Fluorobiphenyl	100	38.4	38		20	109
		2,4,6-Tribromophenol	150	51.0	34		10	116
		Terphenyl-d14	100	30.5	30		10	105
Q3393-05	PR132-S08-000013-20251017	2-Fluorophenol	150	77.4	52		18	112
		Phenol-d6	150	75.0	50		15	107
		Nitrobenzene-d5	100	51.3	51		18	107
		2-Fluorobiphenyl	100	44.2	44		20	109
		2,4,6-Tribromophenol	150	64.2	43		10	116
		Terphenyl-d14	100	33.4	33		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.: Q3393

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.: Q3393

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.: Q3393

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.: Q3393

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.: Q3393

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.: Q3393

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>Q3393</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: AEC002

Lab Code: ACE

SDG NO.: Q3393

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-S10-000022-20251017	Q3393-01	BF144036.D	10/22/2025
PR132-S08-000013-20251017	Q3393-05	BF144035.D	10/22/2025
PR132-S06-000021-20251017	Q3393-04	BF144037.D	10/22/2025
PR132-S08-013038-20251017	Q3393-03	BF144038.D	10/22/2025
PR132-S10-022047-20251017	Q3393-02	BF144030.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: AEC002
SDG NO.: Q3393
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.: Q3393
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-S10-022047-20251017	Q3393-02	BF144030.D	10/21/2025	23:51

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.: Q3393
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-S08-000013-20251017	Q3393-05	BF144035.D	10/22/2025	11:57
PR132-S10-000022-20251017	Q3393-01	BF144036.D	10/22/2025	12:26
PR132-S06-000021-20251017	Q3393-04	BF144037.D	10/22/2025	12:55
PR132-S08-013038-20251017	Q3393-03	BF144038.D	10/22/2025	13:24

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3393

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-S10-022047-20251017	96300	6.88	359740	8.16	172359	9.92
02 41-LBMS	97883	6.88	362327	8.16	171519	9.92
03 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.: Q3393

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-S10-022047-20251017	260149	11.41	239581	14.06	287667	15.55
02	41-LBMS	251833	11.42	215570	14.06	288346	15.55
03	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.: Q3393

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-S10-000022-20251017	90843	6.88	335392	8.16	160805	9.92
04 PR132-S08-013038-20251017	87568	6.88	316694	8.16	154579	9.92
05 PR132-S06-000021-20251017	86146	6.88	309033	8.16	160156	9.92
06 PR132-S08-000013-20251017	88270	6.88	318764	8.16	158279	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.: Q3393

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-S10-000022-20251017	269571	11.41	234635	14.06	281457	15.55
04 PR132-S08-013038-20251017	247206	11.41	223252	14.06	266238	15.55
05 PR132-S06-000021-20251017	262433	11.41	218012	14.06	261186	15.55
06 PR132-S08-000013-20251017	268616	11.41	224762	14.06	269273	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.



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 : SW3541 Prep Date: 10/21/25

Date Collected:
Date Received:
SDG No.: Q3393
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 : SW3541 Prep Date: 10/21/25

Date Collected:
Date Received:
SDG No.: Q3393
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

	Area Count
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
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 : SW3541 Prep Date: 10/21/25

Date Collected:
Date Received:
SDG No.: Q3393
Matrix: SOIL
% Solid: 100
Test: SVOC-TCL BNA -20

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 : SW3541 Prep Date: 10/21/25

Date Collected:
Date Received:
SDG No.: Q3393
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 : SW3541 Prep Date: 10/21/25

Date Collected:
Date Received:
SDG No.: Q3393
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.:	Q3393
Lab Sample ID:	PB170180BS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.03 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541		
	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-LBMS
Lab Sample ID: Q3402-07MS
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 50.01 g Final Vol: 1000 uL
Prep Method : SW3541 Prep Date: 10/21/25

Date Collected: 10/20/25
Date Received: 10/20/25
SDG No.: Q3393
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 : SW3541 Prep Date: 10/21/25

Date Collected: 10/20/25
Date Received: 10/20/25
SDG No.: Q3393
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.:	Q3393
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 :	SW3541		
	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 : SW3541 Prep Date: 10/21/25

Date Collected: 10/20/25
Date Received: 10/20/25
SDG No.: Q3393
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 : SW3541 Prep Date: 10/21/25

Date Collected: 10/20/25
Date Received: 10/20/25
SDG No.: Q3393
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.:	Q3393
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 :	SW3541		
	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	0.893	3.81
5) S	2-Fluorophenol		1.378	1.349	1.352	1.307	1.173	1.177	1.079	1.259	9.15
6)	Aniline		2.400	2.327	2.361	2.343	2.185	2.134	1.997	2.250	6.58
7) S	Phenol-d6		1.626	1.631	1.601	1.542	1.404	1.387	1.317	1.501	8.62
8)	2-Chlorophenol		1.324	1.229	1.274	1.294	1.201	1.182	1.113	1.231	5.90
9)	Benzaldehyde			1.115	1.026	1.329	1.198	1.390	0.890	1.158	16.18
10) C	Phenol		1.934	1.814	1.889	1.841	1.756	1.739	1.589	1.795	6.33
11)	bis(2-Chloroet...		1.487	1.457	1.467	1.446	1.308	1.302	1.238	1.386	7.25
12)	1,3-Dichlorobe...		1.742	1.591	1.589	1.516	1.336	1.327	1.215	1.474	12.64
13) C	1,4-Dichlorobe...		1.653	1.606	1.567	1.499	1.326	1.340	1.185	1.454	11.88
14)	1,2-Dichlorobe...		1.581	1.507	1.501	1.434	1.283	1.288	1.153	1.392	11.06
15)	Benzyl Alcohol			1.118	1.138	1.173	1.134	1.104	1.082	1.125	2.79
16)	2,2'-oxybis(1-...		3.520	3.385	3.273	3.239	3.008	2.945	2.720	3.156	8.79
17)	2-Methylphenol		1.064	1.057	1.049	1.054	0.985	0.986	0.927	1.017	5.10
18)	Hexachloroethane		0.533	0.508	0.515	0.501	0.456	0.464	0.417	0.485	8.39
19) P	n-Nitroso-di-n...	1.052	1.135	1.134	1.054	1.026	0.970	0.938	0.912	1.028	8.13
20)	3+4-Methylphenols			1.401	1.342	1.266	1.067	1.068	0.933	1.179	15.58
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone		0.515	0.461	0.462	0.433	0.374	0.375	0.340	0.423	14.67
23) S	Nitrobenzene-d5		0.325	0.333	0.347	0.345	0.323	0.325	0.307	0.329	4.19
24)	Nitrobenzene		0.369	0.349	0.389	0.391	0.352	0.365	0.342	0.366	5.26
25)	Isophorone		0.754	0.708	0.708	0.705	0.665	0.663	0.656	0.694	5.04
26) C	2-Nitrophenol		0.121	0.133	0.163	0.174	0.167	0.173	0.166	0.157	13.39
27)	2,4-Dimethylph...		0.287	0.288	0.292	0.295	0.271	0.278	0.264	0.282	4.08
28)	bis(2-Chloroet...		0.510	0.474	0.463	0.444	0.398	0.401	0.380	0.438	10.79
29) C	2,4-Dichloroph...		0.317	0.292	0.313	0.307	0.280	0.282	0.265	0.294	6.54
30)	1,2,4-Trichlor...		0.331	0.299	0.307	0.298	0.266	0.272	0.249	0.289	9.57
31)	Naphthalene		1.103	0.996	0.972	0.932	0.817	0.817	0.732	0.910	14.06
32)	Benzoic acid			0.131	0.173	0.200	0.216	0.222	0.228	0.195	18.95
33)	4-Chloroaniline		0.368	0.370	0.357	0.355	0.319	0.321	0.298	0.341	8.20
34) C	Hexachlorobuta...		0.231	0.214	0.210	0.207	0.183	0.187	0.173	0.201	10.11
35)	Caprolactam			0.092	0.091	0.095	0.094	0.093	0.094	0.093	1.59
36) C	4-Chloro-3-met...		0.301	0.302	0.289	0.287	0.269	0.270	0.256	0.282	6.27
37)	2-Methylnaphth...		0.742	0.683	0.654	0.616	0.527	0.533	0.487	0.606	15.46
38)	1-Methylnaphth...		0.719	0.656	0.629	0.605	0.517	0.523	0.465	0.588	15.23

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF100625.M

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

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF100625.M

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

(#) = Out of Range

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>AECO02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3393</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	

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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>Q3393</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.

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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>Q3393</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>Q3393</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.