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

LAB CHRONICLE

OrderID:	Q2994	**OrderDate:**	8/29/2025 1:47:15 PM
Client:	Core Environmental Consultants and Services, Inc.	**Project:**	Bayshore Soil BSM Management
Contact:	Ronald Tramposch	**Location:**	D31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2994-01	**PAULDING-WC1**	**SOIL**			**08/29/25**			**08/29/25**
			SVOC-TCL BNA -20	8270E		09/02/25	09/02/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2994

Client: Core Environmental Consultants and Services, Inc.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID :	**PAULDING-WC1**								
Q2994-01	PAULDING-WC1	SOIL	Phenanthrene		520.000	J	110	930	ug/Kg
Q2994-01	PAULDING-WC1	SOIL	Fluoranthene		1,800.000		160	930	ug/Kg
Q2994-01	PAULDING-WC1	SOIL	Pyrene		2,200.000		200	930	ug/Kg
Q2994-01	PAULDING-WC1	SOIL	Benzo(a)anthracene		1,100.000		130	930	ug/Kg
Q2994-01	PAULDING-WC1	SOIL	Chrysene		1,100.000		110	930	ug/Kg
Q2994-01	PAULDING-WC1	SOIL	Benzo(b)fluoranthene		1,400.000		100	930	ug/Kg
Q2994-01	PAULDING-WC1	SOIL	Benzo(k)fluoranthene		510.000	J	120	930	ug/Kg
Q2994-01	PAULDING-WC1	SOIL	Benzo(a)pyrene		1,200.000		160	930	ug/Kg
Q2994-01	PAULDING-WC1	SOIL	Indeno(1,2,3-cd)pyrene		630.000	J	160	930	ug/Kg
Q2994-01	PAULDING-WC1	SOIL	Benzo(g,h,i)perylene		810.000	J	140	930	ug/Kg
			Total Svoc :		**11,270.00**				
Q2994-01	PAULDING-WC1	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	390.000	AB	0	0	ug/Kg
Q2994-01	PAULDING-WC1	SOIL	Anthracene, 2-methyl-	*	460.000	J	0	0	ug/Kg
			Total Tics :		**850.00**				
			Total Concentration:		**12,120.00**				

SAMPLE DATA

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Report of Analysis

Client:	Core Environmental Consultants and Services, Inc.	Date Collected:	08/29/25
Project:	Bayshore Soil BSM Management	Date Received:	08/29/25
Client Sample ID:	PAULDING-WC1	SDG No.:	Q2994
Lab Sample ID:	Q2994-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	91
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064246.D	5	09/02/25 10:00	09/02/25 15:25	PB169490

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	860	U	860	1800	ug/Kg
108-95-2	Phenol	120	U	120	930	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	130	U	130	930	ug/Kg
95-57-8	2-Chlorophenol	130	U	130	930	ug/Kg
95-48-7	2-Methylphenol	160	U	160	930	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	210	U	210	930	ug/Kg
98-86-2	Acetophenone	160	U	160	930	ug/Kg
65794-96-9	3+4-Methylphenols	230	U	230	1800	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	260	U	260	440	ug/Kg
67-72-1	Hexachloroethane	96.5	U	96.5	930	ug/Kg
98-95-3	Nitrobenzene	100	U	100	930	ug/Kg
78-59-1	Isophorone	180	U	180	930	ug/Kg
88-75-5	2-Nitrophenol	320	U	320	930	ug/Kg
105-67-9	2,4-Dimethylphenol	360	U	360	930	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	170	U	170	930	ug/Kg
120-83-2	2,4-Dichlorophenol	160	U	160	930	ug/Kg
91-20-3	Naphthalene	120	U	120	930	ug/Kg
106-47-8	4-Chloroaniline	190	U	190	930	ug/Kg
87-68-3	Hexachlorobutadiene	140	U	140	930	ug/Kg
105-60-2	Caprolactam	290	U	290	1800	ug/Kg
59-50-7	4-Chloro-3-methylphenol	160	U	160	930	ug/Kg
91-57-6	2-Methylnaphthalene	140	U	140	930	ug/Kg
77-47-4	Hexachlorocyclopentadiene	640	U	640	1800	ug/Kg
88-06-2	2,4,6-Trichlorophenol	110	U	110	930	ug/Kg
95-95-4	2,4,5-Trichlorophenol	160	UQ	160	930	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	930	ug/Kg
91-58-7	2-Chloronaphthalene	120	U	120	930	ug/Kg
88-74-4	2-Nitroaniline	260	UQ	260	930	ug/Kg
131-11-3	Dimethylphthalate	150	U	150	930	ug/Kg

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Report of Analysis

Client:	Core Environmental Consultants and Services, Inc.	Date Collected:	08/29/25
Project:	Bayshore Soil BSM Management	Date Received:	08/29/25
Client Sample ID:	PAULDING-WC1	SDG No.:	Q2994
Lab Sample ID:	Q2994-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	91
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064246.D	5	09/02/25 10:00	09/02/25 15:25	PB169490

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	160	U	160	930	ug/Kg
606-20-2	2,6-Dinitrotoluene	180	U	180	930	ug/Kg
99-09-2	3-Nitroaniline	250	U	250	930	ug/Kg
83-32-9	Acenaphthene	120	U	120	930	ug/Kg
51-28-5	2,4-Dinitrophenol	1300	U	1300	1800	ug/Kg
100-02-7	4-Nitrophenol	590	U	590	1800	ug/Kg
132-64-9	Dibenzofuran	120	U	120	930	ug/Kg
121-14-2	2,4-Dinitrotoluene	270	U	270	930	ug/Kg
84-66-2	Diethylphthalate	160	U	160	930	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	150	U	150	930	ug/Kg
86-73-7	Fluorene	140	U	140	930	ug/Kg
100-01-6	4-Nitroaniline	350	U	350	930	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	560	U	560	1800	ug/Kg
86-30-6	n-Nitrosodiphenylamine	180	U	180	930	ug/Kg
101-55-3	4-Bromophenyl-phenylether	150	U	150	930	ug/Kg
118-74-1	Hexachlorobenzene	140	U	140	930	ug/Kg
1912-24-9	Atrazine	190	U	190	930	ug/Kg
87-86-5	Pentachlorophenol	280	UQ	280	1800	ug/Kg
85-01-8	Phenanthrene	520	J	110	930	ug/Kg
120-12-7	Anthracene	180	U	180	930	ug/Kg
86-74-8	Carbazole	170	U	170	930	ug/Kg
84-74-2	Di-n-butylphthalate	260	UQ	260	930	ug/Kg
206-44-0	Fluoranthene	1800		160	930	ug/Kg
129-00-0	Pyrene	2200		200	930	ug/Kg
85-68-7	Butylbenzylphthalate	390	UQ	390	930	ug/Kg
91-94-1	3,3-Dichlorobenzidine	200	U	200	1800	ug/Kg
56-55-3	Benzo(a)anthracene	1100		130	930	ug/Kg
218-01-9	Chrysene	1100		110	930	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	320	U	320	930	ug/Kg
117-84-0	Di-n-octyl phthalate	480	U	480	1800	ug/Kg
205-99-2	Benzo(b)fluoranthene	1400		100	930	ug/Kg

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Report of Analysis

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Project:	Bayshore Soil BSM Management	Date Received:	08/29/25
Client Sample ID:	PAULDING-WC1	SDG No.:	Q2994
Lab Sample ID:	Q2994-01	Matrix:	SOIL
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Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064246.D	5	09/02/25 10:00	09/02/25 15:25	PB169490

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	510	J	120	930	ug/Kg
50-32-8	Benzo(a)pyrene	1200		160	930	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	630	J	160	930	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	150	U	150	930	ug/Kg
191-24-2	Benzo(g,h,i)perylene	810	J	140	930	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	140	U	140	930	ug/Kg
123-91-1	1,4-Dioxane	250	U	250	930	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	150	U	150	930	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	111		18 - 112	74%	SPK: 150
13127-88-3	Phenol-d6	110		15 - 107	74%	SPK: 150
4165-60-0	Nitrobenzene-d5	68.4		18 - 107	68%	SPK: 100
321-60-8	2-Fluorobiphenyl	71.2		20 - 109	71%	SPK: 100
118-79-6	2,4,6-Tribromophenol	103		10 - 116	69%	SPK: 150
1718-51-0	Terphenyl-d14	75.4		10 - 105	75%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	40900	7.859			
1146-65-2	Naphthalene-d8	177000	10.644			
15067-26-2	Acenaphthene-d10	119000	14.481			
1517-22-2	Phenanthrene-d10	260000	17.219			
1719-03-5	Chrysene-d12	247000	21.449			
1520-96-3	Perylene-d12	280000	24.458			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	390	AB		4.98	ug/Kg
000613-12-7	Anthracene, 2-methyl-	460	J		18.1	ug/Kg

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Project:	Bayshore Soil BSM Management	Date Received:	08/29/25
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Lab Sample ID:	Q2994-01	Matrix:	SOIL
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Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064246.D	5	09/02/25 10:00	09/02/25 15:25	PB169490

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

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

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

QC SUMMARY

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Surrogate Summary

SW-846

SDG No.: Q2994

Client: Core Environmental Consultants and Services, Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB169490BL	PB169490BL	2-Fluorophenol	150	146	97		18	112
		Phenol-d6	150	136	91		15	107
		Nitrobenzene-d5	100	90.9	91		18	107
		2-Fluorobiphenyl	100	87.4	87		20	109
		2,4,6-Tribromophenol	150	157	105		10	116
		Terphenyl-d14	100	91.1	91		10	105
PB169490BS	PB169490BS	2-Fluorophenol	150	135	90		18	112
		Phenol-d6	150	129	86		15	107
		Nitrobenzene-d5	100	83.6	84		18	107
		2-Fluorobiphenyl	100	81.7	82		20	109
		2,4,6-Tribromophenol	150	145	96		10	116
		Terphenyl-d14	100	81.9	82		10	105
Q2989-01MS	SOUTH-TP-5MS	2-Fluorophenol	150	95.6	64		18	112
		Phenol-d6	150	95.1	63		15	107
		Nitrobenzene-d5	100	59.7	60		18	107
		2-Fluorobiphenyl	100	53.9	54		20	109
		2,4,6-Tribromophenol	150	103	68		10	116
		Terphenyl-d14	100	57.6	58		10	105
Q2989-01MSD	SOUTH-TP-5MSD	2-Fluorophenol	150	101	67		18	112
		Phenol-d6	150	100	67		15	107
		Nitrobenzene-d5	100	63.4	63		18	107
		2-Fluorobiphenyl	100	58.3	58		20	109
		2,4,6-Tribromophenol	150	111	74		10	116
		Terphenyl-d14	100	61.1	61		10	105
Q2994-01	PAULDING-WC1	2-Fluorophenol	150	111	74		18	112
		Phenol-d6	150	110	74		15	107
		Nitrobenzene-d5	100	68.4	68		18	107
		2-Fluorobiphenyl	100	71.2	71		20	109
		2,4,6-Tribromophenol	150	103	69		10	116
		Terphenyl-d14	100	75.4	75		10	105

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2994 **Analytical Method:** SW8270E

Client: Core Environmental Consultants and Ser **DataFile:** BP025641.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q2989-01MS		**Client Sample ID: SOUTH-TP-5MS**									
Benzaldehyde	1100	0	560	ug/Kg	51				10	171	
Phenol	1100	0	1100	ug/Kg	100				51	122	
bis(2-Chloroethyl)ether	1100	0	1000	ug/Kg	91				54	125	
2-Chlorophenol	1100	0	1100	ug/Kg	100				51	121	
2-Methylphenol	1100	0	1100	ug/Kg	100				47	125	
2,2-oxybis(1-Chloropropane)	1100	0	1100	ug/Kg	100				46	119	
Acetophenone	1100	0	1100	ug/Kg	100				55	128	
3+4-Methylphenols	1100	0	1100	ug/Kg	100				49	125	
N-Nitroso-di-n-propylamine	1100	0	1000	ug/Kg	91				59	119	
Hexachloroethane	1100	0	1100	ug/Kg	100				51	116	
Nitrobenzene	1100	0	1100	ug/Kg	100				47	124	
Isophorone	1100	0	1100	ug/Kg	100				49	127	
2-Nitrophenol	1100	0	1200	ug/Kg	109				43	131	
2,4-Dimethylphenol	1100	0	1100	ug/Kg	100				63	151	
bis(2-Chloroethoxy)methane	1100	0	1100	ug/Kg	100				51	119	
2,4-Dichlorophenol	1100	0	1200	ug/Kg	109				50	122	
Naphthalene	1100	0	1100	ug/Kg	100				51	121	
4-Chloroaniline	1100	0	360	ug/Kg	33				10	100	
Hexachlorobutadiene	1100	0	1100	ug/Kg	100				44	126	
Caprolactam	1100	0	1100	ug/Kg	100				51	134	
4-Chloro-3-methylphenol	1100	0	1200	ug/Kg	109				57	132	
2-Methylnaphthalene	1100	0	1000	ug/Kg	91				59	123	
Hexachlorocyclopentadiene	2300	0	2000	ug/Kg	87				10	175	
2,4,6-Trichlorophenol	1100	0	1200	ug/Kg	109				33	141	
2,4,5-Trichlorophenol	1100	0	1200	ug/Kg	109				38	135	
1,1-Biphenyl	1100	0	1100	ug/Kg	100				55	131	
2-Chloronaphthalene	1100	0	1100	ug/Kg	100				48	124	
2-Nitroaniline	1100	0	1200	ug/Kg	109				47	134	
Dimethylphthalate	1100	0	1100	ug/Kg	100				54	120	
Acenaphthylene	1100	0	1100	ug/Kg	100				57	125	
2,6-Dinitrotoluene	1100	0	1200	ug/Kg	109				48	127	
3-Nitroaniline	1100	0	610	ug/Kg	55				10	112	
Acenaphthene	1100	0	1100	ug/Kg	100				70	121	
2,4-Dinitrophenol	2300	0	2600	ug/Kg	113				10	155	
4-Nitrophenol	2300	0	2200	ug/Kg	96				10	175	
Dibenzofuran	1100	0	1100	ug/Kg	100				52	114	
2,4-Dinitrotoluene	1100	0	1200	ug/Kg	109				41	140	
Diethylphthalate	1100	0	1200	ug/Kg	109				51	119	
4-Chlorophenyl-phenylether	1100	0	1100	ug/Kg	100				48	122	
Fluorene	1100	0	1100	ug/Kg	100				53	118	
4-Nitroaniline	1100	0	1100	ug/Kg	100				29	140	
4,6-Dinitro-2-methylphenol	1100	0	1200	ug/Kg	109				10	160	
N-Nitrosodiphenylamine	1100	0	1100	ug/Kg	100				73	118	
4-Bromophenyl-phenylether	1100	0	1100	ug/Kg	100				65	121	
Hexachlorobenzene	1100	0	1100	ug/Kg	100				67	118	
Atrazine	1100	0	1200	ug/Kg	109				45	175	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2994 **Analytical Method:** SW8270E

Client: Core Environmental Consultants and Ser **DataFile:** BP025641.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	2300	0	2400	ug/Kg	104				13	153	
Phenanthrene	1100	0	1100	ug/Kg	100				52	128	
Anthracene	1100	0	1100	ug/Kg	100				62	124	
Carbazole	1100	0	1100	ug/Kg	100				59	119	
Di-n-butylphthalate	1100	0	1200	ug/Kg	109				55	125	
Fluoranthene	1100	0	1100	ug/Kg	100				44	125	
Pyrene	1100	0	1100	ug/Kg	100				37	122	
Butylbenzylphthalate	1100	0	1200	ug/Kg	109				44	135	
3,3-Dichlorobenzidine	1100	0	630	ug/Kg	57				15	112	
Benzo(a)anthracene	1100	0	1100	ug/Kg	100				53	119	
Chrysene	1100	0	1100	ug/Kg	100				57	121	
bis(2-Ethylhexyl)phthalate	1100	0	1200	ug/Kg	109				42	169	
Di-n-octyl phthalate	1100	0	1200	ug/Kg	109				51	156	
Benzo(b)fluoranthene	1100	0	1100	ug/Kg	100				52	117	
Benzo(k)fluoranthene	1100	0	1100	ug/Kg	100				57	134	
Benzo(a)pyrene	1100	0	1100	ug/Kg	100				70	142	
Indeno(1,2,3-cd)pyrene	1100	0	1100	ug/Kg	100				40	129	
Dibenz(a,h)anthracene	1100	0	1100	ug/Kg	100				43	123	
Benzo(g,h,i)perylene	1100	0	1100	ug/Kg	100				24	125	
1,2,4,5-Tetrachlorobenzene	1100	0	1100	ug/Kg	100				52	134	
1,4-Dioxane	1100	0	990	ug/Kg	90				46	112	
2,3,4,6-Tetrachlorophenol	1100	0	1200	ug/Kg	109				24	146	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2994 **Analytical Method:** SW8270E

Client: Core Environmental Consultants and Ser **DataFile:** BP025642.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q2989-01MSD		**Client Sample ID: SOUTH-TP-5MSD**									
Benzaldehyde	1100	0	600	ug/Kg	55		8		10	171	20
Phenol	1100	0	1200	ug/Kg	109		9		51	122	20
bis(2-Chloroethyl)ether	1100	0	1100	ug/Kg	100		9		54	125	20
2-Chlorophenol	1100	0	1200	ug/Kg	109		9		51	121	20
2-Methylphenol	1100	0	1200	ug/Kg	109		9		47	125	20
2,2-oxybis(1-Chloropropane)	1100	0	1200	ug/Kg	109		9		46	119	20
Acetophenone	1100	0	1200	ug/Kg	109		9		55	128	20
3+4-Methylphenols	1100	0	1100	ug/Kg	100		0		49	125	20
N-Nitroso-di-n-propylamine	1100	0	1100	ug/Kg	100		9		59	119	20
Hexachloroethane	1100	0	1200	ug/Kg	109		9		51	116	20
Nitrobenzene	1100	0	1200	ug/Kg	109		9		47	124	20
Isophorone	1100	0	1200	ug/Kg	109		9		49	127	20
2-Nitrophenol	1100	0	1200	ug/Kg	109		0		43	131	20
2,4-Dimethylphenol	1100	0	1200	ug/Kg	109		9		63	151	20
bis(2-Chloroethoxy)methane	1100	0	1100	ug/Kg	100		0		51	119	20
2,4-Dichlorophenol	1100	0	1200	ug/Kg	109		0		50	122	20
Naphthalene	1100	0	1200	ug/Kg	109		9		51	121	20
4-Chloroaniline	1100	0	400	ug/Kg	36		9		10	100	20
Hexachlorobutadiene	1100	0	1200	ug/Kg	109		9		44	126	20
Caprolactam	1100	0	1200	ug/Kg	109		9		51	134	20
4-Chloro-3-methylphenol	1100	0	1200	ug/Kg	109		0		57	132	20
2-Methylnaphthalene	1100	0	1100	ug/Kg	100		9		59	123	20
Hexachlorocyclopentadiene	2300	0	2200	ug/Kg	96		10		10	175	20
2,4,6-Trichlorophenol	1100	0	1300	ug/Kg	118		8		33	141	20
2,4,5-Trichlorophenol	1100	0	1300	ug/Kg	118		8		38	135	20
1,1-Biphenyl	1100	0	1200	ug/Kg	109		9		55	131	20
2-Chloronaphthalene	1100	0	1200	ug/Kg	109		9		48	124	20
2-Nitroaniline	1100	0	1300	ug/Kg	118		8		47	134	20
Dimethylphthalate	1100	0	1200	ug/Kg	109		9		54	120	20
Acenaphthylene	1100	0	1200	ug/Kg	109		9		57	125	20
2,6-Dinitrotoluene	1100	0	1300	ug/Kg	118		8		48	127	20
3-Nitroaniline	1100	0	660	ug/Kg	60		9		10	112	20
Acenaphthene	1100	0	1100	ug/Kg	100		0		70	121	20
2,4-Dinitrophenol	2300	0	2900	ug/Kg	126		11		10	155	20
4-Nitrophenol	2300	0	2400	ug/Kg	104		8		10	175	20
Dibenzofuran	1100	0	1200	ug/Kg	109		9		52	114	20
2,4-Dinitrotoluene	1100	0	1300	ug/Kg	118		8		41	140	20
Diethylphthalate	1100	0	1300	ug/Kg	118		8		51	119	20
4-Chlorophenyl-phenylether	1100	0	1200	ug/Kg	109		9		48	122	20
Fluorene	1100	0	1200	ug/Kg	109		9		53	118	20
4-Nitroaniline	1100	0	1200	ug/Kg	109		9		29	140	20
4,6-Dinitro-2-methylphenol	1100	0	1300	ug/Kg	118		8		10	160	20
N-Nitrosodiphenylamine	1100	0	1200	ug/Kg	109		9		73	118	20
4-Bromophenyl-phenylether	1100	0	1200	ug/Kg	109		9		65	121	20
Hexachlorobenzene	1100	0	1200	ug/Kg	109		9		67	118	20
Atrazine	1100	0	1300	ug/Kg	118		8		45	175	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2994 **Analytical Method:** SW8270E

Client: Core Environmental Consultants and Ser **DataFile:** BP025642.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	2300	0	2600	ug/Kg	113		8		13	153	20
Phenanthrene	1100	0	1200	ug/Kg	109		9		52	128	20
Anthracene	1100	0	1200	ug/Kg	109		9		62	124	20
Carbazole	1100	0	1200	ug/Kg	109		9		59	119	20
Di-n-butylphthalate	1100	0	1300	ug/Kg	118		8		55	125	20
Fluoranthene	1100	0	1200	ug/Kg	109		9		44	125	20
Pyrene	1100	0	1200	ug/Kg	109		9		37	122	20
Butylbenzylphthalate	1100	0	1300	ug/Kg	118		8		44	135	20
3,3-Dichlorobenzidine	1100	0	650	ug/Kg	59		3		15	112	20
Benzo(a)anthracene	1100	0	1200	ug/Kg	109		9		53	119	20
Chrysene	1100	0	1200	ug/Kg	109		9		57	121	20
bis(2-Ethylhexyl)phthalate	1100	0	1300	ug/Kg	118		8		42	169	20
Di-n-octyl phthalate	1100	0	1300	ug/Kg	118		8		51	156	20
Benzo(b)fluoranthene	1100	0	1200	ug/Kg	109		9		52	117	20
Benzo(k)fluoranthene	1100	0	1200	ug/Kg	109		9		57	134	20
Benzo(a)pyrene	1100	0	1200	ug/Kg	109		9		70	142	20
Indeno(1,2,3-cd)pyrene	1100	0	1200	ug/Kg	109		9		40	129	20
Dibenz(a,h)anthracene	1100	0	1200	ug/Kg	109		9		43	123	20
Benzo(g,h,i)perylene	1100	0	1200	ug/Kg	109		9		24	125	20
1,2,4,5-Tetrachlorobenzene	1100	0	1200	ug/Kg	109		9		52	134	20
1,4-Dioxane	1100	0	1000	ug/Kg	91		1		46	112	20
2,3,4,6-Tetrachlorophenol	1100	0	1300	ug/Kg	118		8		24	146	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2994 **Analytical Method:** 8270E

Client: Core Environmental Consultants and Services, Inc. **DataFile:** BP025643.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB169490BS	Benzaldehyde	1700	830	ug/Kg	49				10	133	
	Phenol	1700	1600	ug/Kg	94				62	112	
	bis(2-Chloroethyl)ether	1700	1600	ug/Kg	94				60	101	
	2-Chlorophenol	1700	1600	ug/Kg	94				65	112	
	2-Methylphenol	1700	1600	ug/Kg	94				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1700	ug/Kg	100				51	100	
	Acetophenone	1700	1600	ug/Kg	94				66	98	
	3+4-Methylphenols	1700	1500	ug/Kg	88				58	111	
	N-Nitroso-di-n-propylamine	1700	1500	ug/Kg	88				63	95	
	Hexachloroethane	1700	1600	ug/Kg	94				72	108	
	Nitrobenzene	1700	1600	ug/Kg	94				57	101	
	Isophorone	1700	1600	ug/Kg	94				59	99	
	2-Nitrophenol	1700	1700	ug/Kg	100				61	111	
	2,4-Dimethylphenol	1700	1600	ug/Kg	94				46	141	
	bis(2-Chloroethoxy)methane	1700	1600	ug/Kg	94				66	97	
	2,4-Dichlorophenol	1700	1700	ug/Kg	100				62	107	
	Naphthalene	1700	1600	ug/Kg	94				62	100	
	4-Chloroaniline	1700	840	ug/Kg	49				16	100	
	Hexachlorobutadiene	1700	1600	ug/Kg	94				53	98	
	Caprolactam	1700	1600	ug/Kg	94				67	110	
	4-Chloro-3-methylphenol	1700	1700	ug/Kg	100				58	112	
	2-Methylnaphthalene	1700	1600	ug/Kg	94				60	104	
	Hexachlorocyclopentadiene	3300	3000	ug/Kg	91				45	165	
	2,4,6-Trichlorophenol	1700	1700	ug/Kg	100				59	102	
	2,4,5-Trichlorophenol	1700	1700	ug/Kg	100		*		61	98	
	1,1-Biphenyl	1700	1600	ug/Kg	94				57	103	
	2-Chloronaphthalene	1700	1600	ug/Kg	94				58	99	
	2-Nitroaniline	1700	1800	ug/Kg	106		*		66	101	
	Dimethylphthalate	1700	1600	ug/Kg	94				61	99	
	Acenaphthylene	1700	1600	ug/Kg	94				63	101	
	2,6-Dinitrotoluene	1700	1700	ug/Kg	100				61	104	
	3-Nitroaniline	1700	1200	ug/Kg	71				28	100	
	Acenaphthene	1700	1500	ug/Kg	88				57	104	
	2,4-Dinitrophenol	3300	3900	ug/Kg	118				37	128	
	4-Nitrophenol	3300	3300	ug/Kg	100				48	119	
	Dibenzofuran	1700	1600	ug/Kg	94				63	99	
	2,4-Dinitrotoluene	1700	1800	ug/Kg	106				60	106	
	Diethylphthalate	1700	1700	ug/Kg	100				60	101	
	4-Chlorophenyl-phenylether	1700	1600	ug/Kg	94				58	98	
	Fluorene	1700	1600	ug/Kg	94				61	101	
	4-Nitroaniline	1700	1600	ug/Kg	94				64	103	
	4,6-Dinitro-2-methylphenol	1700	1800	ug/Kg	106				76	113	
	N-Nitrosodiphenylamine	1700	1600	ug/Kg	94				71	99	
	4-Bromophenyl-phenylether	1700	1600	ug/Kg	94				66	102	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2994 **Analytical Method:** 8270E

Client: Core Environmental Consultants and Services, Inc. **DataFile:** BP025643.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB169490BS	Hexachlorobenzene	1700	1600	ug/Kg	94				64	98	
	Atrazine	1700	1700	ug/Kg	100				47	152	
	Pentachlorophenol	3300	3500	ug/Kg	106		*		67	105	
	Phenanthrene	1700	1600	ug/Kg	94				59	103	
	Anthracene	1700	1600	ug/Kg	94				61	105	
	Carbazole	1700	1600	ug/Kg	94				61	99	
	Di-n-butylphthalate	1700	1800	ug/Kg	106		*		58	104	
	Fluoranthene	1700	1700	ug/Kg	100				57	107	
	Pyrene	1700	1600	ug/Kg	94				59	103	
	Butylbenzylphthalate	1700	1800	ug/Kg	106		*		55	103	
	3,3-Dichlorobenzidine	1700	1100	ug/Kg	65				42	91	
	Benzo(a)anthracene	1700	1600	ug/Kg	94				60	102	
	Chrysene	1700	1600	ug/Kg	94				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1800	ug/Kg	106				54	135	
	Di-n-octyl phthalate	1700	1800	ug/Kg	106				52	137	
	Benzo(b)fluoranthene	1700	1600	ug/Kg	94				62	109	
	Benzo(k)fluoranthene	1700	1700	ug/Kg	100				62	109	
	Benzo(a)pyrene	1700	1600	ug/Kg	94				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1600	ug/Kg	94				63	101	
	Dibenz(a,h)anthracene	1700	1600	ug/Kg	94				61	112	
	Benzo(g,h,i)perylene	1700	1600	ug/Kg	94				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1600	ug/Kg	94				53	101	
	1,4-Dioxane	1700	1300	ug/Kg	76				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1700	ug/Kg	100				59	108	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID: PB169490BL

Lab Name: Alliance | Contract: CORE02

Lab Code: ACE | SDG NO.: Q2994

Lab File ID: BP025638.D | Lab Sample ID: PB169490BL

Instrument ID: BNA_P | Date Extracted: 09/02/2025

Matrix: (soil/water) SOIL | Date Analyzed: 09/02/2025

Level: (low/med) LOW | Time Analyzed: 14:48

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
SOUTH-TP-5MS	Q2989-01MS	BP025641.D	09/02/2025
SOUTH-TP-5MSD	Q2989-01MSD	BP025642.D	09/02/2025
PB169490BS	PB169490BS	BP025643.D	09/02/2025
PAULDING-WC1	Q2994-01	BG064246.D	09/02/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance | Contract: CORE02

Lab Code: ACE | SDG NO.: Q2994

Lab File ID: BG064217.D | DFTPP Injection Date: 08/28/2025

Instrument ID: BNA_G | DFTPP Injection Time: 10:11

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	34.7
70	Less than 2.0% of mass 69	0.1 (0.4) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7.1
365	Greater than 1% of mass 198	5.2
441	Present, but less than mass 443	15
442	Greater than 50% of mass 198	90.8
443	15.0 - 24.0% of mass 442	17 (18.7) 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
SSTDICC2.5	SSTDICC2.5	BG064218.D	08/28/2025	10:51
SSTDICC005	SSTDICC005	BG064219.D	08/28/2025	11:32
SSTDICC010	SSTDICC010	BG064220.D	08/28/2025	12:12
SSTDICC020	SSTDICC020	BG064221.D	08/28/2025	12:53
SSTDICCC040	SSTDICCC040	BG064222.D	08/28/2025	13:33
SSTDICC050	SSTDICC050	BG064223.D	08/28/2025	14:55
SSTDICC060	SSTDICC060	BG064224.D	08/28/2025	15:35
SSTDICC080	SSTDICC080	BG064225.D	08/28/2025	16:16

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance | Contract: CORE02

Lab Code: ACE | SDG NO.: Q2994

Lab File ID: BG064239.D | DFTPP Injection Date: 09/02/2025

Instrument ID: BNA_G | DFTPP Injection Time: 09:43

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.6 (1.5) 1
69	Mass 69 relative abundance	36.3
70	Less than 2.0% of mass 69	0.3 (0.8) 1
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
365	Greater than 1% of mass 198	5.1
441	Present, but less than mass 443	13.4
442	Greater than 50% of mass 198	82.6
443	15.0 - 24.0% of mass 442	16.2 (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
SSTDCCC040	SSTDCCC040	BG064240.D	09/02/2025	11:10
PAULDING-WC1	Q2994-01	BG064246.D	09/02/2025	15:25

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance | Contract: CORE02

Lab Code: ACE | SDG NO.: Q2994

Lab File ID: BP025390.D | DFTPP Injection Date: 08/14/2025

Instrument ID: BNA_P | DFTPP Injection Time: 10:30

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	23.1
70	Less than 2.0% of mass 69	0.1 (0.4) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.2
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	15.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.2 (19.2) 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	BP025392.D	08/14/2025	12:33
SSTDICC005	SSTDICC005	BP025393.D	08/14/2025	13:15
SSTDICC010	SSTDICC010	BP025394.D	08/14/2025	13:56
SSTDICC020	SSTDICC020	BP025395.D	08/14/2025	14:38
SSTDICCC040	SSTDICCC040	BP025396.D	08/14/2025	15:19
SSTDICC050	SSTDICC050	BP025397.D	08/14/2025	16:01
SSTDICC060	SSTDICC060	BP025398.D	08/14/2025	16:42
SSTDICC080	SSTDICC080	BP025399.D	08/14/2025	17:24

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: CORE02

Lab Code: ACE SDG NO.: Q2994

Lab File ID: BP025636.D DFTPP Injection Date: 09/02/2025

Instrument ID: BNA_P DFTPP Injection Time: 13:26

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.6 (1.9) 1
69	Mass 69 relative abundance	31.4
70	Less than 2.0% of mass 69	0.2 (0.5) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.5
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	15.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.7 (19.7) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BP025637.D	09/02/2025	14:07
PB169490BL	PB169490BL	BP025638.D	09/02/2025	14:48
SOUTH-TP-5MS	Q2989-01MS	BP025641.D	09/02/2025	16:56
SOUTH-TP-5MSD	Q2989-01MSD	BP025642.D	09/02/2025	17:37
PB169490BS	PB169490BS	BP025643.D	09/02/2025	18:19

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2994

Client ID : SSTDCCC040 Date Analyzed: 09/02/2025

Lab File ID: BG064240.D Time Analyzed: 11:10

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	45444	7.853	201380	10.64	132047	14.48
	UPPER LIMIT	90888	8.353	402760	11.144	264094	14.981
	LOWER LIMIT	22722	7.353	100690	10.144	66023.5	13.981
	EPA SAMPLE NO.						
01	PAULDING-WC1	40905	7.86	176725	10.64	119490	14.48

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2994

Client ID: SSTDCCC040 Date Analyzed: 09/02/2025

Lab File ID: BG064240.D Time Analyzed: 11:10

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	283321	17.219	271531	21.449	295154	24.458
	UPPER LIMIT	566642	17.719	543062	21.949	590308	24.958
	LOWER LIMIT	141661	16.719	135766	20.949	147577	23.958
	EPA SAMPLE NO.						
01	PAULDING-WC1	260040	17.22	246986	21.45	279572	24.46

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

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

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2994

Client ID : SSTDCCC040 Date Analyzed: 09/02/2025

Lab File ID: BP025637.D Time Analyzed: 14:07

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	197399	7.778	799046	10.54	505529	14.38
	UPPER LIMIT	394798	8.278	1598090	11.037	1011060	14.884
	LOWER LIMIT	98699.5	7.278	399523	10.037	252765	13.884
	EPA SAMPLE NO.						
01	PB169490BL	157709	7.77	608151	10.54	383160	14.38
02	SOUTH-TP-5MS	157447	7.77	620874	10.54	402678	14.39
03	PB169490BS	138252	7.77	552989	10.54	359421	14.38
04	SOUTH-TP-5MSD	150511	7.77	590486	10.54	380282	14.38

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2994

Client ID: SSTDCCC040 Date Analyzed: 09/02/2025

Lab File ID: BP025637.D Time Analyzed: 14:07

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	949320	17.19	971561	21.625	1105930	25.001
	UPPER LIMIT	1898640	17.69	1943120	22.125	2211860	25.501
	LOWER LIMIT	474660	16.69	485781	21.125	552965	24.501
	EPA SAMPLE NO.						
01	PB169490BL	807780	17.18	885393	21.64	953052	25.01
02	SOUTH-TP-5MS	815784	17.19	851929	21.64	966507	25.01
03	PB169490BS	750779	17.18	817465	21.63	926416	25.00
04	SOUTH-TP-5MSD	785697	17.19	824922	21.64	951740	25.01

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

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

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

QC SAMPLE DATA

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Report of Analysis

Client:	Core Environmental Consultants and Services, Inc.	Date Collected:	
Project:	Bayshore Soil BSM Management	Date Received:	
Client Sample ID:	PB169490BL	SDG No.:	Q2994
Lab Sample ID:	PB169490BL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025638.D	1	09/02/25 10:00	09/02/25 14:48	PB169490

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	160	U	160	330	ug/Kg
108-95-2	Phenol	22.1	U	22.1	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	24.3	U	24.3	170	ug/Kg
95-57-8	2-Chlorophenol	24.4	U	24.4	170	ug/Kg
95-48-7	2-Methylphenol	29.9	U	29.9	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	37.5	U	37.5	170	ug/Kg
98-86-2	Acetophenone	29.5	U	29.5	170	ug/Kg
65794-96-9	3+4-Methylphenols	41.1	U	41.1	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	47.4	U	47.4	80.0	ug/Kg
67-72-1	Hexachloroethane	17.6	U	17.6	170	ug/Kg
98-95-3	Nitrobenzene	18.3	U	18.3	170	ug/Kg
78-59-1	Isophorone	32.8	U	32.8	170	ug/Kg
88-75-5	2-Nitrophenol	58.2	U	58.2	170	ug/Kg
105-67-9	2,4-Dimethylphenol	64.8	U	64.8	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	30.8	U	30.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	28.3	U	28.3	170	ug/Kg
91-20-3	Naphthalene	22.7	U	22.7	170	ug/Kg
106-47-8	4-Chloroaniline	35.4	U	35.4	170	ug/Kg
87-68-3	Hexachlorobutadiene	25.3	U	25.3	170	ug/Kg
105-60-2	Caprolactam	52.1	U	52.1	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	28.7	U	28.7	170	ug/Kg
91-57-6	2-Methylnaphthalene	25.6	U	25.6	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	120	U	120	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	19.8	U	19.8	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	29.1	U	29.1	170	ug/Kg
92-52-4	1,1-Biphenyl	21.8	U	21.8	170	ug/Kg
91-58-7	2-Chloronaphthalene	22.5	U	22.5	170	ug/Kg
88-74-4	2-Nitroaniline	48.1	U	48.1	170	ug/Kg
131-11-3	Dimethylphthalate	27.1	U	27.1	170	ug/Kg

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Report of Analysis

Client:	Core Environmental Consultants and Services, Inc.	Date Collected:	
Project:	Bayshore Soil BSM Management	Date Received:	
Client Sample ID:	PB169490BL	SDG No.:	Q2994
Lab Sample ID:	PB169490BL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025638.D	1	09/02/25 10:00	09/02/25 14:48	PB169490

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	28.9	U	28.9	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	33.6	U	33.6	170	ug/Kg
99-09-2	3-Nitroaniline	46.0	U	46.0	170	ug/Kg
83-32-9	Acenaphthene	21.3	U	21.3	170	ug/Kg
51-28-5	2,4-Dinitrophenol	230	U	230	330	ug/Kg
100-02-7	4-Nitrophenol	110	U	110	330	ug/Kg
132-64-9	Dibenzofuran	22.7	U	22.7	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	50.1	U	50.1	170	ug/Kg
84-66-2	Diethylphthalate	28.3	U	28.3	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	26.7	U	26.7	170	ug/Kg
86-73-7	Fluorene	25.3	U	25.3	170	ug/Kg
100-01-6	4-Nitroaniline	64.2	U	64.2	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	100	U	100	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	32.9	U	32.9	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	27.8	U	27.8	170	ug/Kg
118-74-1	Hexachlorobenzene	25.3	U	25.3	170	ug/Kg
1912-24-9	Atrazine	34.0	U	34.0	170	ug/Kg
87-86-5	Pentachlorophenol	51.3	U	51.3	330	ug/Kg
85-01-8	Phenanthrene	20.9	U	20.9	170	ug/Kg
120-12-7	Anthracene	33.3	U	33.3	170	ug/Kg
86-74-8	Carbazole	31.2	U	31.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	47.9	U	47.9	170	ug/Kg
206-44-0	Fluoranthene	30.0	U	30.0	170	ug/Kg
129-00-0	Pyrene	36.0	U	36.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	71.4	U	71.4	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	36.7	U	36.7	330	ug/Kg
56-55-3	Benzo(a)anthracene	23.0	U	23.0	170	ug/Kg
218-01-9	Chrysene	19.9	U	19.9	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	59.2	U	59.2	170	ug/Kg
117-84-0	Di-n-octyl phthalate	86.8	U	86.8	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	19.0	U	19.0	170	ug/Kg

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Report of Analysis

Client:	Core Environmental Consultants and Services, Inc.	Date Collected:	
Project:	Bayshore Soil BSM Management	Date Received:	
Client Sample ID:	PB169490BL	SDG No.:	Q2994
Lab Sample ID:	PB169490BL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025638.D	1	09/02/25 10:00	09/02/25 14:48	PB169490

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	22.4	U	22.4	170	ug/Kg
50-32-8	Benzo(a)pyrene	29.5	U	29.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	29.1	U	29.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	27.4	U	27.4	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	25.7	U	25.7	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	25.6	U	25.6	170	ug/Kg
123-91-1	1,4-Dioxane	45.2	U	45.2	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	27.4	U	27.4	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	146		18 - 112	97%	SPK: 150
13127-88-3	Phenol-d6	136		15 - 107	91%	SPK: 150
4165-60-0	Nitrobenzene-d5	90.9		18 - 107	91%	SPK: 100
321-60-8	2-Fluorobiphenyl	87.4		20 - 109	87%	SPK: 100
118-79-6	2,4,6-Tribromophenol	157		10 - 116	105%	SPK: 150
1718-51-0	Terphenyl-d14	91.1		10 - 105	91%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	158000	7.772			
1146-65-2	Naphthalene-d8	608000	10.543			
15067-26-2	Acenaphthene-d10	383000	14.384			
1517-22-2	Phenanthrene-d10	808000	17.183			
1719-03-5	Chrysene-d12	885000	21.636			
1520-96-3	Perylene-d12	953000	25.007			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	390	A		4.94	ug/Kg
000630-02-4	Octacosane	71.3	J		20.8	ug/Kg

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Report of Analysis

Client:	Core Environmental Consultants and Services, Inc.	Date Collected:	
Project:	Bayshore Soil BSM Management	Date Received:	
Client Sample ID:	PB169490BL	SDG No.:	Q2994
Lab Sample ID:	PB169490BL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025638.D	1	09/02/25 10:00	09/02/25 14:48	PB169490

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

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

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

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Core Environmental Consultants and Services, Inc.	Date Collected:	
Project:	Bayshore Soil BSM Management	Date Received:	
Client Sample ID:	PB169490BS	SDG No.:	Q2994
Lab Sample ID:	PB169490BS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025643.D	1	09/02/25 10:00	09/02/25 18:19	PB169490

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	830		160	330	ug/Kg
108-95-2	Phenol	1600		22.1	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1600		24.3	170	ug/Kg
95-57-8	2-Chlorophenol	1600		24.4	170	ug/Kg
95-48-7	2-Methylphenol	1600		29.9	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1700		37.5	170	ug/Kg
98-86-2	Acetophenone	1600		29.5	170	ug/Kg
65794-96-9	3+4-Methylphenols	1500		41.1	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1500		47.4	79.9	ug/Kg
67-72-1	Hexachloroethane	1600		17.6	170	ug/Kg
98-95-3	Nitrobenzene	1600		18.3	170	ug/Kg
78-59-1	Isophorone	1600		32.8	170	ug/Kg
88-75-5	2-Nitrophenol	1700		58.1	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1600		64.7	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1600		30.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1700		28.3	170	ug/Kg
91-20-3	Naphthalene	1600		22.7	170	ug/Kg
106-47-8	4-Chloroaniline	840		35.4	170	ug/Kg
87-68-3	Hexachlorobutadiene	1600		25.3	170	ug/Kg
105-60-2	Caprolactam	1600		52.0	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1700		28.7	170	ug/Kg
91-57-6	2-Methylnaphthalene	1600		25.6	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3000	E	120	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1700		19.8	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1700		29.1	170	ug/Kg
92-52-4	1,1-Biphenyl	1600		21.8	170	ug/Kg
91-58-7	2-Chloronaphthalene	1600		22.5	170	ug/Kg
88-74-4	2-Nitroaniline	1800		48.1	170	ug/Kg
131-11-3	Dimethylphthalate	1600		27.1	170	ug/Kg

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Report of Analysis

Client:	Core Environmental Consultants and Services, Inc.	Date Collected:	
Project:	Bayshore Soil BSM Management	Date Received:	
Client Sample ID:	PB169490BS	SDG No.:	Q2994
Lab Sample ID:	PB169490BS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025643.D	1	09/02/25 10:00	09/02/25 18:19	PB169490

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1600		28.9	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1700		33.6	170	ug/Kg
99-09-2	3-Nitroaniline	1200		46.0	170	ug/Kg
83-32-9	Acenaphthene	1500		21.3	170	ug/Kg
51-28-5	2,4-Dinitrophenol	3900	E	230	330	ug/Kg
100-02-7	4-Nitrophenol	3300	E	110	330	ug/Kg
132-64-9	Dibenzofuran	1600		22.7	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1800		50.0	170	ug/Kg
84-66-2	Diethylphthalate	1700		28.3	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1600		26.7	170	ug/Kg
86-73-7	Fluorene	1600		25.3	170	ug/Kg
100-01-6	4-Nitroaniline	1600		64.1	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1800		100	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1600		32.9	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1600		27.8	170	ug/Kg
118-74-1	Hexachlorobenzene	1600		25.3	170	ug/Kg
1912-24-9	Atrazine	1700		34.0	170	ug/Kg
87-86-5	Pentachlorophenol	3500	E	51.2	330	ug/Kg
85-01-8	Phenanthrene	1600		20.9	170	ug/Kg
120-12-7	Anthracene	1600		33.3	170	ug/Kg
86-74-8	Carbazole	1600		31.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	1800		47.9	170	ug/Kg
206-44-0	Fluoranthene	1700		30.0	170	ug/Kg
129-00-0	Pyrene	1600		36.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	1800		71.3	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1100		36.7	330	ug/Kg
56-55-3	Benzo(a)anthracene	1600		23.0	170	ug/Kg
218-01-9	Chrysene	1600		19.9	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1800		59.1	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1800		86.7	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1600		19.0	170	ug/Kg

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Report of Analysis

Client:	Core Environmental Consultants and Services, Inc.	Date Collected:	
Project:	Bayshore Soil BSM Management	Date Received:	
Client Sample ID:	PB169490BS	SDG No.:	Q2994
Lab Sample ID:	PB169490BS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025643.D	1	09/02/25 10:00	09/02/25 18:19	PB169490

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1700		22.4	170	ug/Kg
50-32-8	Benzo(a)pyrene	1600		29.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1600		29.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1600		27.4	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1600		25.7	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1600		25.6	170	ug/Kg
123-91-1	1,4-Dioxane	1300		45.2	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1700		27.4	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	135		18 - 112	90%	SPK: 150
13127-88-3	Phenol-d6	129		15 - 107	86%	SPK: 150
4165-60-0	Nitrobenzene-d5	83.6		18 - 107	84%	SPK: 100
321-60-8	2-Fluorobiphenyl	81.7		20 - 109	82%	SPK: 100
118-79-6	2,4,6-Tribromophenol	145		10 - 116	96%	SPK: 150
1718-51-0	Terphenyl-d14	81.9		10 - 105	82%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	138000	7.772			
1146-65-2	Naphthalene-d8	553000	10.537			
15067-26-2	Acenaphthene-d10	359000	14.384			
1517-22-2	Phenanthrene-d10	751000	17.178			
1719-03-5	Chrysene-d12	817000	21.63			
1520-96-3	Perylene-d12	926000	25.001			

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
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N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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

Report of Analysis

Client:	Core Environmental Consultants and Services, Inc.	Date Collected:	08/29/25
Project:	Bayshore Soil BSM Management	Date Received:	08/29/25
Client Sample ID:	SOUTH-TP-5MS	SDG No.:	Q2994
Lab Sample ID:	Q2989-01MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.4
Sample Wt/Vol:	50.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025641.D	1	09/02/25 10:00	09/02/25 16:56	PB169490

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	560		110	230	ug/Kg
108-95-2	Phenol	1100		15.2	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1000		16.7	120	ug/Kg
95-57-8	2-Chlorophenol	1100		16.7	120	ug/Kg
95-48-7	2-Methylphenol	1100		20.5	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1100		25.7	120	ug/Kg
98-86-2	Acetophenone	1100		20.2	120	ug/Kg
65794-96-9	3+4-Methylphenols	1100		28.2	230	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1000		32.5	54.9	ug/Kg
67-72-1	Hexachloroethane	1100		12.1	120	ug/Kg
98-95-3	Nitrobenzene	1100		12.6	120	ug/Kg
78-59-1	Isophorone	1100		22.5	120	ug/Kg
88-75-5	2-Nitrophenol	1200		39.9	120	ug/Kg
105-67-9	2,4-Dimethylphenol	1100		44.4	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1100		21.1	120	ug/Kg
120-83-2	2,4-Dichlorophenol	1200		19.4	120	ug/Kg
91-20-3	Naphthalene	1100		15.6	120	ug/Kg
106-47-8	4-Chloroaniline	360		24.3	120	ug/Kg
87-68-3	Hexachlorobutadiene	1100		17.4	120	ug/Kg
105-60-2	Caprolactam	1100		35.7	230	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1200		19.7	120	ug/Kg
91-57-6	2-Methylnaphthalene	1000		17.6	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	2000	E	79.6	230	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1200		13.6	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1200		20.0	120	ug/Kg
92-52-4	1,1-Biphenyl	1100		15.0	120	ug/Kg
91-58-7	2-Chloronaphthalene	1100		15.4	120	ug/Kg
88-74-4	2-Nitroaniline	1200		33.0	120	ug/Kg
131-11-3	Dimethylphthalate	1100		18.6	120	ug/Kg

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Report of Analysis

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Project:	Bayshore Soil BSM Management	Date Received:	08/29/25
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Lab Sample ID:	Q2989-01MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.4
Sample Wt/Vol:	50.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025641.D	1	09/02/25 10:00	09/02/25 16:56	PB169490

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1100		19.8	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	1200		23.0	120	ug/Kg
99-09-2	3-Nitroaniline	610		31.6	120	ug/Kg
83-32-9	Acenaphthene	1100		14.6	120	ug/Kg
51-28-5	2,4-Dinitrophenol	2600	E	160	230	ug/Kg
100-02-7	4-Nitrophenol	2200	E	73.4	230	ug/Kg
132-64-9	Dibenzofuran	1100		15.6	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	1200		34.4	120	ug/Kg
84-66-2	Diethylphthalate	1200		19.4	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1100		18.3	120	ug/Kg
86-73-7	Fluorene	1100		17.4	120	ug/Kg
100-01-6	4-Nitroaniline	1100		44.0	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1200		70.7	230	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1100		22.6	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1100		19.1	120	ug/Kg
118-74-1	Hexachlorobenzene	1100		17.4	120	ug/Kg
1912-24-9	Atrazine	1200		23.3	120	ug/Kg
87-86-5	Pentachlorophenol	2400	E	35.2	230	ug/Kg
85-01-8	Phenanthrene	1100		14.3	120	ug/Kg
120-12-7	Anthracene	1100		22.8	120	ug/Kg
86-74-8	Carbazole	1100		21.4	120	ug/Kg
84-74-2	Di-n-butylphthalate	1200		32.9	120	ug/Kg
206-44-0	Fluoranthene	1100		20.6	120	ug/Kg
129-00-0	Pyrene	1100		24.7	120	ug/Kg
85-68-7	Butylbenzylphthalate	1200		49.0	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	630		25.2	230	ug/Kg
56-55-3	Benzo(a)anthracene	1100		15.8	120	ug/Kg
218-01-9	Chrysene	1100		13.7	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1200		40.6	120	ug/Kg
117-84-0	Di-n-octyl phthalate	1200		59.5	230	ug/Kg
205-99-2	Benzo(b)fluoranthene	1100		13.0	120	ug/Kg

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Report of Analysis

Client:	Core Environmental Consultants and Services, Inc.	Date Collected:	08/29/25
Project:	Bayshore Soil BSM Management	Date Received:	08/29/25
Client Sample ID:	SOUTH-TP-5MS	SDG No.:	Q2994
Lab Sample ID:	Q2989-01MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.4
Sample Wt/Vol:	50.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025641.D	1	09/02/25 10:00	09/02/25 16:56	PB169490

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1100		15.4	120	ug/Kg
50-32-8	Benzo(a)pyrene	1100		20.2	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1100		20.0	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1100		18.8	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1100		17.6	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1100		17.6	120	ug/Kg
123-91-1	1,4-Dioxane	990		31.0	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1200		18.8	120	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	95.6		18 - 112	64%	SPK: 150
13127-88-3	Phenol-d6	95.1		15 - 107	63%	SPK: 150
4165-60-0	Nitrobenzene-d5	59.7		18 - 107	60%	SPK: 100
321-60-8	2-Fluorobiphenyl	53.9		20 - 109	54%	SPK: 100
118-79-6	2,4,6-Tribromophenol	103		10 - 116	68%	SPK: 150
1718-51-0	Terphenyl-d14	57.6		10 - 105	58%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	157000	7.772			
1146-65-2	Naphthalene-d8	621000	10.537			
15067-26-2	Acenaphthene-d10	403000	14.389			
1517-22-2	Phenanthrene-d10	816000	17.189			
1719-03-5	Chrysene-d12	852000	21.642			
1520-96-3	Perylene-d12	967000	25.006			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
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E = Value Exceeds Calibration Range
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Report of Analysis

Client:	Core Environmental Consultants and Services, Inc.	Date Collected:	08/29/25
Project:	Bayshore Soil BSM Management	Date Received:	08/29/25
Client Sample ID:	SOUTH-TP-5MSD	SDG No.:	Q2994
Lab Sample ID:	Q2989-01MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.4
Sample Wt/Vol:	50.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025642.D	1	09/02/25 10:00	09/02/25 17:37	PB169490

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	600		110	230	ug/Kg
108-95-2	Phenol	1200		15.1	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1100		16.7	120	ug/Kg
95-57-8	2-Chlorophenol	1200		16.7	120	ug/Kg
95-48-7	2-Methylphenol	1200		20.5	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1200		25.7	120	ug/Kg
98-86-2	Acetophenone	1200		20.2	120	ug/Kg
65794-96-9	3+4-Methylphenols	1100		28.2	230	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1100		32.5	54.8	ug/Kg
67-72-1	Hexachloroethane	1200		12.1	120	ug/Kg
98-95-3	Nitrobenzene	1200		12.5	120	ug/Kg
78-59-1	Isophorone	1200		22.5	120	ug/Kg
88-75-5	2-Nitrophenol	1200		39.9	120	ug/Kg
105-67-9	2,4-Dimethylphenol	1200		44.4	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1100		21.1	120	ug/Kg
120-83-2	2,4-Dichlorophenol	1200		19.4	120	ug/Kg
91-20-3	Naphthalene	1200		15.6	120	ug/Kg
106-47-8	4-Chloroaniline	400		24.3	120	ug/Kg
87-68-3	Hexachlorobutadiene	1200		17.3	120	ug/Kg
105-60-2	Caprolactam	1200		35.7	230	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1200		19.7	120	ug/Kg
91-57-6	2-Methylnaphthalene	1100		17.5	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	2200	E	79.5	230	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1300		13.6	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1300		19.9	120	ug/Kg
92-52-4	1,1-Biphenyl	1200		14.9	120	ug/Kg
91-58-7	2-Chloronaphthalene	1200		15.4	120	ug/Kg
88-74-4	2-Nitroaniline	1300		33.0	120	ug/Kg
131-11-3	Dimethylphthalate	1200		18.6	120	ug/Kg

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Analytical Method:	8270E	% Solid:	87.4
Sample Wt/Vol:	50.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
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File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025642.D	1	09/02/25 10:00	09/02/25 17:37	PB169490

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1200		19.8	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	1300		23.0	120	ug/Kg
99-09-2	3-Nitroaniline	660		31.5	120	ug/Kg
83-32-9	Acenaphthene	1100		14.6	120	ug/Kg
51-28-5	2,4-Dinitrophenol	2900	E	160	230	ug/Kg
100-02-7	4-Nitrophenol	2400	E	73.3	230	ug/Kg
132-64-9	Dibenzofuran	1200		15.6	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	1300		34.3	120	ug/Kg
84-66-2	Diethylphthalate	1300		19.4	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1200		18.3	120	ug/Kg
86-73-7	Fluorene	1200		17.3	120	ug/Kg
100-01-6	4-Nitroaniline	1200		44.0	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1300		70.6	230	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1200		22.5	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1200		19.1	120	ug/Kg
118-74-1	Hexachlorobenzene	1200		17.3	120	ug/Kg
1912-24-9	Atrazine	1300		23.3	120	ug/Kg
87-86-5	Pentachlorophenol	2600	E	35.2	230	ug/Kg
85-01-8	Phenanthrene	1200		14.3	120	ug/Kg
120-12-7	Anthracene	1200		22.8	120	ug/Kg
86-74-8	Carbazole	1200		21.4	120	ug/Kg
84-74-2	Di-n-butylphthalate	1300		32.8	120	ug/Kg
206-44-0	Fluoranthene	1200		20.6	120	ug/Kg
129-00-0	Pyrene	1200		24.7	120	ug/Kg
85-68-7	Butylbenzylphthalate	1300		48.9	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	650		25.2	230	ug/Kg
56-55-3	Benzo(a)anthracene	1200		15.8	120	ug/Kg
218-01-9	Chrysene	1200		13.6	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1300		40.6	120	ug/Kg
117-84-0	Di-n-octyl phthalate	1300		59.5	230	ug/Kg
205-99-2	Benzo(b)fluoranthene	1200		13.0	120	ug/Kg

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Report of Analysis

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Project:	Bayshore Soil BSM Management	Date Received:	08/29/25
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Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
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Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025642.D	1	09/02/25 10:00	09/02/25 17:37	PB169490

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1200		15.4	120	ug/Kg
50-32-8	Benzo(a)pyrene	1200		20.2	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1200		19.9	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1200		18.8	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1200		17.6	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1200		17.5	120	ug/Kg
123-91-1	1,4-Dioxane	1000		31.0	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1300		18.8	120	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	101		18 - 112	67%	SPK: 150
13127-88-3	Phenol-d6	100		15 - 107	67%	SPK: 150
4165-60-0	Nitrobenzene-d5	63.4		18 - 107	63%	SPK: 100
321-60-8	2-Fluorobiphenyl	58.3		20 - 109	58%	SPK: 100
118-79-6	2,4,6-Tribromophenol	111		10 - 116	74%	SPK: 150
1718-51-0	Terphenyl-d14	61.1		10 - 105	61%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	151000	7.772			
1146-65-2	Naphthalene-d8	590000	10.542			
15067-26-2	Acenaphthene-d10	380000	14.383			
1517-22-2	Phenanthrene-d10	786000	17.189			
1719-03-5	Chrysene-d12	825000	21.642			
1520-96-3	Perylene-d12	952000	25.006			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
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E = Value Exceeds Calibration Range
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J = Estimated Value
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* = Values outside of QC limits
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CALIBRATION SUMMARY

Response Factor Report GC/MS Ins

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG082825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Aug 28 17:41:58 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BG064218.D 5 =BG064219.D 10 =BG064220.D 20 =BG064221.D 40 =BG064222.D 50 =BG064223.D 60 =BG064224.D 80 =BG0642
25.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.574	0.524	0.479	0.387	0.430	0.432	0.426	0.465	14.04
3)		Pyridine		1.449	1.375	1.377	1.338	1.315	1.371	1.349	1.368	3.09
4)		n-Nitrosodimet...			0.889	0.914	0.922	0.896	0.916	0.892	0.905	1.57
5)	S	2-Fluorophenol		1.126	1.094	1.155	1.104	1.075	1.117	1.133	1.115	2.36
6)		Aniline		2.030	2.048	2.158	2.125	2.151	2.203	2.110	2.118	2.90
7)	S	Phenol-d6		1.520	1.484	1.594	1.515	1.522	1.555	1.532	1.532	2.26
8)		2-Chlorophenol		1.318	1.287	1.381	1.418	1.360	1.407	1.364	1.362	3.44
9)		Benzaldehyde			1.181	1.115	1.375	1.193	1.439		1.260	11.00
10)	C	Phenol		1.590	1.627	1.750	1.669	1.739	1.745	1.699	1.688	3.71
11)		bis(2-Chloroet...		1.232	1.263	1.323	1.281	1.255	1.270	1.258	1.269	2.22
12)		1,3-Dichlorobe...		1.469	1.480	1.500	1.471	1.394	1.425	1.404	1.449	2.83
13)	C	1,4-Dichlorobe...		1.499	1.522	1.479	1.466	1.426	1.447	1.398	1.463	2.91
14)		1,2-Dichlorobe...		1.350	1.458	1.476	1.409	1.365	1.437	1.386	1.412	3.38
15)		Benzyl Alcohol			1.297	1.436	1.426	1.432	1.438	1.451	1.413	4.06
16)		2,2'-oxybis(1-...		2.923	2.920	2.979	2.897	2.826	2.931	2.803	2.897	2.14
17)		2-Methylphenol		1.188	1.243	1.349	1.261	1.218	1.305	1.246	1.258	4.28
18)		Hexachloroethane		0.555	0.578	0.574	0.583	0.572	0.568	0.567	0.571	1.57
19)	P	n-Nitroso-di-n...	1.008	1.162	1.160	1.239	1.203	1.211	1.230	1.164	1.172	6.24
20)		3+4-Methylphenols			1.734	1.765	1.702	1.750	1.787	1.753	1.749	1.65
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.533	0.485	0.522	0.502	0.496	0.513	0.492	0.506	3.42
23)	S	Nitrobenzene-d5		0.341	0.340	0.370	0.365	0.357	0.376	0.360	0.359	3.82
24)		Nitrobenzene		0.354	0.348	0.394	0.388	0.377	0.387	0.375	0.375	4.71
25)		Isophorone		0.749	0.723	0.787	0.748	0.733	0.754	0.724	0.745	2.97
26)	C	2-Nitrophenol		0.133	0.146	0.169	0.171	0.167	0.176	0.171	0.162	9.86
27)		2,4-Dimethylph...		0.275	0.271	0.300	0.297	0.276	0.291	0.279	0.284	4.03
28)		bis(2-Chloroet...		0.396	0.401	0.417	0.414	0.390	0.404	0.391	0.402	2.63
29)	C	2,4-Dichloroph...		0.289	0.278	0.319	0.310	0.299	0.311	0.294	0.300	4.70
30)		1,2,4-Trichlor...		0.332	0.305	0.327	0.319	0.308	0.317	0.305	0.316	3.42
31)		Naphthalene		1.104	1.012	1.077	1.036	1.004	1.041	0.986	1.037	4.01
32)		Benzoic acid			0.159	0.206	0.240	0.247	0.257	0.245	0.226	16.35
33)		4-Chloroaniline		0.369	0.379	0.414	0.421	0.411	0.419	0.402	0.402	5.08
34)	C	Hexachlorobuta...		0.242	0.236	0.236	0.237	0.224	0.236	0.225	0.234	2.93
35)		Caprolactam			0.108	0.129	0.123	0.112	0.114	0.110	0.116	7.13
36)	C	4-Chloro-3-met...		0.380	0.382	0.402	0.395	0.386	0.396	0.383	0.389	2.16
37)		2-Methylnaphth...		0.768	0.748	0.831	0.788	0.757	0.772	0.734	0.771	4.10
38)		1-Methylnaphth...		0.788	0.755	0.801	0.776	0.736	0.753	0.722	0.761	3.72

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.554	0.556	0.597	0.582	0.582	0.592	0.576	0.577	2.86
41)	P	Hexachlorocycl...		0.221	0.256	0.275	0.290	0.307	0.296	0.274	11.55
42)	S	2,4,6-Tribromo...	0.281	0.256	0.271	0.276	0.261	0.257	0.252	0.265	4.21
43)	C	2,4,6-Trichlor...	0.364	0.362	0.400	0.396	0.384	0.399	0.394	0.386	4.23
44)		2,4,5-Trichlor...	0.387	0.386	0.437	0.433	0.426	0.437	0.423	0.418	5.33
45)	S	2-Fluorobiphenyl	1.364	1.286	1.358	1.328	1.288	1.304	1.244	1.310	3.27
46)		1,1'-Biphenyl	1.459	1.412	1.488	1.494	1.449	1.471	1.424	1.457	2.13
47)		2-Chloronaphth...	1.090	1.059	1.113	1.113	1.096	1.117	1.078	1.095	1.94
48)		2-Nitroaniline	0.303	0.329	0.372	0.410	0.394	0.408	0.397	0.373	11.15
49)		Acenaphthylene	1.656	1.528	1.675	1.675	1.607	1.610	1.580	1.619	3.36
50)		Dimethylphthalate	1.672	1.476	1.569	1.555	1.462	1.446	1.417	1.514	5.90
51)		2,6-Dinitrotol...	0.238	0.269	0.301	0.322	0.300	0.315	0.305	0.293	10.00
52)	C	Acenaphthene	1.169	1.120	1.175	1.178	1.129	1.132	1.095	1.142	2.77
53)		3-Nitroaniline	0.275	0.279	0.316	0.331	0.314	0.322	0.312	0.307	6.93
54)	P	2,4-Dinitrophenol		0.096	0.137	0.178	0.184	0.190	0.190	0.163	23.29
55)		Dibenzofuran	1.913	1.756	1.840	1.833	1.762	1.754	1.722	1.797	3.73
56)	P	4-Nitrophenol		0.199	0.250	0.286	0.258	0.255	0.263	0.252	11.50
57)		2,4-Dinitrotol...	0.396	0.398	0.462	0.484	0.450	0.457	0.455	0.443	7.55
58)		Fluorene	1.567	1.478	1.549	1.529	1.416	1.398	1.373	1.473	5.30
59)		2,3,4,6-Tetrac...	0.392	0.378	0.419	0.419	0.413	0.404	0.393	0.402	3.91
60)		Diethylphthalate	1.830	1.577	1.665	1.688	1.536	1.530	1.516	1.620	7.06
61)		4-Chlorophenyl...	0.781	0.717	0.759	0.755	0.720	0.716	0.693	0.734	4.21
62)		4-Nitroaniline	0.267	0.275	0.311	0.351	0.332	0.331	0.325	0.313	9.93
63)		Azobenzene	1.490	1.422	1.511	1.503	1.407	1.393	1.381	1.444	3.83
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.085	0.107	0.118	0.121	0.129	0.128	0.115	14.38
66)	c	n-Nitrosodiphe...	0.553	0.518	0.571	0.562	0.542	0.564	0.542	0.550	3.23
67)		4-Bromophenyl-...	0.195	0.213	0.218	0.215	0.212	0.219	0.216	0.212	3.78
68)		Hexachlorobenzene	0.241	0.232	0.244	0.226	0.231	0.243	0.235	0.236	2.82
69)		Atrazine	0.240	0.230	0.231	0.240	0.224	0.224	0.220	0.230	3.42
70)	C	Pentachlorophenol		0.110	0.135	0.153	0.148	0.156	0.157	0.143	12.65
71)		Phenanthrene	1.103	1.032	1.090	1.084	1.020	1.041	1.015	1.055	3.45
72)		Anthracene	1.124	1.053	1.092	1.111	1.033	1.070	1.028	1.073	3.48
73)		Carbazole	0.986	0.908	0.960	1.002	0.917	0.935	0.909	0.945	4.01
74)		Di-n-butylphth...	1.196	1.089	1.146	1.211	1.096	1.119	1.093	1.136	4.47
75)	C	Fluoranthene	1.340	1.211	1.269	1.304	1.178	1.208	1.172	1.240	5.25
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.454	0.525	0.445	0.385	0.357	0.358	0.421	15.74
78)		Pyrene	1.292	1.236	1.286	1.303	1.216	1.269	1.218	1.260	2.88
79)	S	Terphenyl-d14	1.009	0.974	1.002	0.981	0.918	0.938	0.888	0.959	4.70
80)		Butylbenzylpht...	0.449	0.440	0.492	0.494	0.474	0.496	0.481	0.475	4.72
81)		Benzo(a)anthra...	1.323	1.238	1.312	1.296	1.248	1.295	1.244	1.280	2.75
82)		3,3'-Dichlorob...		0.401	0.440	0.429	0.410	0.416	0.404	0.417	3.65
83)		Chrysene	1.277	1.197	1.254	1.248	1.204	1.228	1.190	1.228	2.67
84)		Bis(2-ethylhex...	0.713	0.681	0.719	0.732	0.713	0.734	0.703	0.714	2.52
85)	c	Di-n-octyl pht...		1.160	1.266	1.263	1.228	1.303	1.239	1.243	3.90

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86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.314	1.302	1.384	1.399	1.348	1.428	1.386	1.366	3.37
88)		Benzo(b)fluora...	1.079	1.081	1.145	1.176	1.104	1.164	1.153	1.129	3.56
89)		Benzo(k)fluora...	1.161	1.127	1.178	1.141	1.131	1.175	1.136	1.150	1.86
90)	C	Benzo(a)pyrene	1.019	0.978	1.076	1.084	1.047	1.091	1.055	1.050	3.83
91)		Dibenzo(a,h)an...	1.044	1.032	1.114	1.135	1.087	1.144	1.121	1.097	4.01
92)		Benzo(g,h,i)pe...	1.067	1.029	1.070	1.083	1.042	1.103	1.076	1.067	2.32

(#) = Out of Range

Response Factor Report MSBNA_P

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP081425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Aug 14 18:14:31 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BP025392.D 5 =BP025393.D 10 =BP025394.D 20 =BP025395.D 40 =BP025396.D 50 =BP025397.D 60 =BP025398.D 80 =BP0253
99.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.520	0.464	0.475	0.445	0.479	0.462	0.458	0.472	5.07
3)		Pyridine		1.446	1.250	1.256	1.220	1.317	1.281	1.268	1.291	5.77
4)		n-Nitrosodimet...			0.515	0.512	0.511	0.559	0.555	0.541	0.532	4.13
5)	S	2-Fluorophenol		1.232	1.177	1.194	1.162	1.240	1.226	1.199	1.204	2.42
6)		Aniline		2.098	1.962	2.030	2.020	2.194	2.164	2.094	2.080	3.96
7)	S	Phenol-d6		1.483	1.467	1.533	1.513	1.641	1.609	1.563	1.544	4.16
8)		2-Chlorophenol		1.351	1.283	1.347	1.313	1.428	1.414	1.378	1.359	3.83
9)		Benzaldehyde			0.987	0.956	1.366	1.262	1.005	0.915	1.082	17.12
10)	C	Phenol		1.594	1.529	1.613	1.575	1.707	1.688	1.635	1.620	3.87
11)		bis(2-Chloroet...		1.283	1.183	1.273	1.222	1.321	1.303	1.255	1.263	3.78
12)		1,3-Dichlorobe...		1.532	1.433	1.503	1.443	1.555	1.530	1.493	1.499	3.07
13)	C	1,4-Dichlorobe...		1.587	1.490	1.527	1.467	1.596	1.544	1.510	1.532	3.12
14)		1,2-Dichlorobe...		1.558	1.430	1.491	1.431	1.533	1.487	1.449	1.483	3.35
15)		Benzyl Alcohol			1.138	1.205	1.193	1.287	1.289	1.250	1.227	4.83
16)		2,2'-oxybis(1-...		1.762	1.592	1.712	1.620	1.751	1.740	1.665	1.692	3.96
17)		2-Methylphenol		1.075	1.030	1.123	1.107	1.198	1.191	1.154	1.125	5.41
18)		Hexachloroethane		0.577	0.544	0.552	0.545	0.588	0.578	0.559	0.563	3.13
19)	P	n-Nitroso-di-n...	1.014	1.066	0.959	1.056	0.992	1.053	1.042	1.000	1.023	3.68
20)		3+4-Methylphenols			1.442	1.533	1.525	1.639	1.640	1.580	1.560	4.87
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.515	0.487	0.506	0.485	0.523	0.506	0.488	0.502	2.96
23)	S	Nitrobenzene-d5		0.395	0.376	0.392	0.383	0.419	0.408	0.394	0.395	3.65
24)		Nitrobenzene		0.350	0.342	0.348	0.344	0.375	0.362	0.352	0.353	3.21
25)		Isophorone		0.734	0.672	0.700	0.674	0.730	0.709	0.680	0.700	3.70
26)	C	2-Nitrophenol		0.167	0.163	0.177	0.181	0.197	0.195	0.190	0.181	7.43
27)		2,4-Dimethylph...		0.303	0.303	0.296	0.308	0.336	0.325	0.313	0.312	4.46
28)		bis(2-Chloroet...		0.443	0.407	0.425	0.407	0.439	0.430	0.410	0.423	3.61
29)	C	2,4-Dichloroph...		0.293	0.293	0.308	0.305	0.331	0.324	0.314	0.310	4.71
30)		1,2,4-Trichlor...		0.357	0.329	0.335	0.327	0.354	0.344	0.332	0.340	3.61
31)		Naphthalene		1.069	1.020	1.037	1.000	1.087	1.052	1.011	1.040	3.06
32)		Benzoic acid			0.188	0.207	0.227	0.249	0.255	0.255	0.230	12.20
33)		4-Chloroaniline		0.453	0.435	0.447	0.452	0.492	0.478	0.458	0.459	4.19
34)	C	Hexachlorobuta...		0.222	0.205	0.211	0.205	0.218	0.213	0.207	0.211	3.05
35)		Caprolactam			0.114	0.110	0.109	0.120	0.116	0.113	0.114	3.67
36)	C	4-Chloro-3-met...		0.366	0.335	0.347	0.346	0.373	0.368	0.353	0.355	3.85
37)		2-Methylnaphth...		0.716	0.653	0.678	0.652	0.700	0.682	0.654	0.676	3.69
38)		1-Methylnaphth...		0.777	0.706	0.713	0.686	0.751	0.719	0.685	0.719	4.67

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Method File : 8270E-BP081425.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.578	0.559	0.585	0.560	0.610	0.581	0.571	0.578	3.00
41)	P	Hexachlorocycl...		0.274	0.313	0.348	0.387	0.388	0.383	0.349	13.46
42)	S	2,4,6-Tribromo...	0.266	0.259	0.267	0.263	0.286	0.275	0.268	0.269	3.39
43)	C	2,4,6-Trichlor...	0.368	0.364	0.381	0.382	0.421	0.408	0.405	0.390	5.56
44)		2,4,5-Trichlor...	0.417	0.385	0.424	0.424	0.457	0.448	0.437	0.427	5.52
45)	S	2-Fluorobiphenyl	1.558	1.483	1.507	1.392	1.517	1.435	1.351	1.463	5.04
46)		1,1'-Biphenyl	1.495	1.418	1.457	1.408	1.537	1.445	1.407	1.453	3.37
47)		2-Chloronaphth...	1.152	1.093	1.144	1.101	1.184	1.142	1.100	1.131	2.99
48)		2-Nitroaniline	0.301	0.306	0.317	0.330	0.360	0.351	0.341	0.329	6.85
49)		Acenaphthylene	1.907	1.806	1.848	1.806	1.992	1.907	1.832	1.871	3.63
50)		Dimethylphthalate	1.569	1.449	1.438	1.403	1.512	1.479	1.403	1.465	4.12
51)		2,6-Dinitrotol...	0.297	0.287	0.302	0.309	0.331	0.323	0.311	0.309	4.95
52)	C	Acenaphthene	1.149	1.082	1.100	1.041	1.155	1.106	1.056	1.098	3.93
53)		3-Nitroaniline	0.318	0.329	0.337	0.342	0.384	0.367	0.354	0.347	6.56
54)	P	2,4-Dinitrophenol		0.114	0.140	0.163	0.186	0.192	0.194	0.165	19.83
55)		Dibenzofuran	1.820	1.711	1.737	1.677	1.811	1.729	1.672	1.736	3.40
56)	P	4-Nitrophenol		0.251	0.265	0.279	0.315	0.304	0.298	0.285	8.56
57)		2,4-Dinitrotol...	0.404	0.407	0.431	0.438	0.479	0.471	0.454	0.440	6.61
58)		Fluorene	1.506	1.391	1.390	1.306	1.415	1.330	1.253	1.370	6.02
59)		2,3,4,6-Tetrac...	0.375	0.360	0.366	0.368	0.402	0.392	0.379	0.377	4.01
60)		Diethylphthalate	1.615	1.475	1.465	1.434	1.540	1.459	1.430	1.488	4.48
61)		4-Chlorophenyl...	0.761	0.684	0.679	0.651	0.690	0.671	0.634	0.681	5.91
62)		4-Nitroaniline	0.341	0.336	0.349	0.351	0.387	0.370	0.359	0.356	4.89
63)		Azobenzene	1.315	1.226	1.274	1.237	1.341	1.301	1.227	1.274	3.62
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.096	0.113	0.123	0.139	0.139	0.138	0.125	14.21
66)	c	n-Nitrosodiphe...	0.636	0.603	0.607	0.591	0.634	0.605	0.594	0.610	2.99
67)		4-Bromophenyl-...	0.233	0.206	0.217	0.213	0.230	0.223	0.218	0.220	4.34
68)		Hexachlorobenzene	0.264	0.253	0.254	0.242	0.264	0.257	0.251	0.255	3.06
69)		Atrazine	0.229	0.226	0.228	0.218	0.240	0.229	0.229	0.228	2.74
70)	C	Pentachlorophenol		0.135	0.154	0.157	0.177	0.171	0.172	0.161	9.76
71)		Phenanthrene	1.162	1.101	1.111	1.040	1.135	1.085	1.057	1.099	3.88
72)		Anthracene	1.161	1.124	1.133	1.079	1.175	1.101	1.080	1.122	3.37
73)		Carbazole	1.079	1.052	1.074	1.007	1.111	1.053	1.022	1.057	3.32
74)		Di-n-butylphth...	1.345	1.255	1.332	1.244	1.374	1.285	1.265	1.300	3.86
75)	C	Fluoranthene	1.370	1.323	1.348	1.228	1.361	1.286	1.258	1.311	4.13
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.642	0.642	0.967	0.664	0.608	0.573	0.683	20.94
78)		Pyrene	1.398	1.261	1.287	1.274	1.320	1.319	1.241	1.300	4.00
79)	S	Terphenyl-d14	1.249	1.100	1.097	1.045	1.100	1.061	0.999	1.093	7.15
80)		Butylbenzylpht...	0.589	0.557	0.592	0.579	0.614	0.616	0.578	0.589	3.55
81)		Benzo(a)anthra...	1.384	1.302	1.313	1.268	1.359	1.333	1.275	1.319	3.21
82)		3,3'-Dichlorob...		0.482	0.507	0.488	0.521	0.506	0.480	0.497	3.31
83)		Chrysene	1.292	1.214	1.249	1.182	1.280	1.243	1.186	1.235	3.49
84)		Bis(2-ethylhex...	0.907	0.826	0.874	0.831	0.901	0.882	0.850	0.867	3.73
85)	c	Di-n-octyl pht...		1.381	1.498	1.444	1.572	1.563	1.491	1.492	4.84

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP081425.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.454	1.385	1.440	1.411	1.569	1.522	1.486	1.467	4.36
88)		Benzo(b)fluora...	1.203	1.126	1.171	1.134	1.250	1.197	1.175	1.179	3.60
89)		Benzo(k)fluora...	1.202	1.157	1.200	1.130	1.226	1.206	1.141	1.180	3.16
90)	C	Benzo(a)pyrene	1.139	1.093	1.150	1.108	1.219	1.185	1.141	1.148	3.77
91)		Dibenzo(a,h)an...	1.180	1.125	1.179	1.156	1.290	1.244	1.216	1.199	4.64
92)		Benzo(g,h,i)pe...	1.162	1.118	1.169	1.138	1.248	1.220	1.192	1.178	3.86

(#) = Out of Range

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: CORE02

Lab Code: ACE SDG No.: Q2994

Instrument ID: BNA_G Calibration Date/Time: 09/02/2025 11:10

Lab File ID: BG064240.D Init. Calib. Date(s): 08/28/2025 08/28/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:51 16:16

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.115	1.180		5.8	
Benzaldehyde	1.260	1.352		7.3	
Phenol-d6	1.532	1.622		5.9	
Phenol	1.689	1.767		4.7	20.0
bis(2-Chloroethyl)ether	1.269	1.308		3.1	
2-Chlorophenol	1.362	1.390		2.1	
2-Methylphenol	1.258	1.236		-1.7	
2,2-oxybis(1-Chloropropane)	2.897	2.888		-0.3	
Acetophenone	0.506	0.513		1.4	
3+4-Methylphenols	1.749	1.690		-3.4	
n-Nitroso-di-n-propylamine	1.172	1.137	0.050	-3.0	
Nitrobenzene-d5	0.359	0.378		5.3	
Hexachloroethane	0.571	0.585		2.5	
Nitrobenzene	0.375	0.388		3.5	
Isophorone	0.745	0.720		-3.4	
2-Nitrophenol	0.162	0.171		5.6	20.0
2,4-Dimethylphenol	0.284	0.293		3.2	
bis(2-Chloroethoxy)methane	0.402	0.411		2.2	
2,4-Dichlorophenol	0.300	0.307		2.3	20.0
Naphthalene	1.037	1.036		-0.1	
4-Chloroaniline	0.402	0.397		-1.2	
Hexachlorobutadiene	0.234	0.224		-4.3	20.0
Caprolactam	0.116	0.100		-13.8	
4-Chloro-3-methylphenol	0.389	0.372		-4.4	20.0
2-Methylnaphthalene	0.771	0.760		-1.4	
Hexachlorocyclopentadiene	0.274	0.309	0.050	12.8	
2,4,6-Trichlorophenol	0.386	0.406		5.2	20.0
2-Fluorobiphenyl	1.310	1.342		2.4	
2,4,5-Trichlorophenol	0.418	0.425		1.7	
1,1-Biphenyl	1.457	1.512		3.8	
2-Chloronaphthalene	1.095	1.124		2.6	
2-Nitroaniline	0.373	0.415		11.3	
Dimethylphthalate	1.514	1.444		-4.6	
Acenaphthylene	1.619	1.649		1.9	
2,6-Dinitrotoluene	0.293	0.296		1.0	
3-Nitroaniline	0.307	0.313		2.0	
Acenaphthene	1.142	1.161		1.7	20.0
2,4-Dinitrophenol	0.163	0.173	0.050	6.1	
4-Nitrophenol	0.252	0.246	0.050	-2.4	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

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Instrument ID: BNA_G Calibration Date/Time: 09/02/2025 11:10

Lab File ID: BG064240.D Init. Calib. Date(s): 08/28/2025 08/28/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:51 16:16

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.797	1.767		-1.7	
2,4-Dinitrotoluene	0.443	0.453		2.3	
Diethylphthalate	1.620	1.490		-8.0	
4-Chlorophenyl-phenylether	0.734	0.706		-3.8	
Fluorene	1.473	1.425		-3.3	
4-Nitroaniline	0.313	0.318		1.6	
4,6-Dinitro-2-methylphenol	0.115	0.126		9.6	
n-Nitrosodiphenylamine	0.550	0.573		4.2	20.0
2,4,6-Tribromophenol	0.265	0.256		-3.4	
4-Bromophenyl-phenylether	0.212	0.221		4.2	
Hexachlorobenzene	0.236	0.236		0.0	
Atrazine	0.230	0.223		-3.0	
Pentachlorophenol	0.143	0.151		5.6	20.0
Phenanthrene	1.055	1.053		-0.2	
Anthracene	1.073	1.090		1.6	
Carbazole	0.945	0.950		0.5	
Di-n-butylphthalate	1.136	1.142		0.5	
Fluoranthene	1.240	1.186		-4.4	20.0
Pyrene	1.260	1.300		3.2	
Terphenyl-d14	0.959	0.983		2.5	
Butylbenzylphthalate	0.475	0.526		10.7	
3,3-Dichlorobenzidine	0.417	0.427		2.4	
Benzo(a)anthracene	1.280	1.307		2.1	
Chrysene	1.228	1.253		2.0	
Bis(2-ethylhexyl)phthalate	0.714	0.778		9.0	
Di-n-octyl phthalate	1.243	1.350		8.6	20.0
Benzo(b)fluoranthene	1.129	1.161		2.8	
Benzo(k)fluoranthene	1.150	1.201		4.4	
Benzo(a)pyrene	1.050	1.099		4.7	20.0
Indeno(1,2,3-cd)pyrene	1.366	1.392		1.9	
Dibenzo(a,h)anthracene	1.097	1.140		3.9	
Benzo(g,h,i)perylene	1.067	1.087		1.9	
1,2,4,5-Tetrachlorobenzene	0.577	0.602		4.3	
1,4-Dioxane	0.465	0.501		7.7	20.0
2,3,4,6-Tetrachlorophenol	0.402	0.396		-1.5	

All other compounds must meet a minimum RRF of 0.010.

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: CORE02

Lab Code: ACE SDG No.: Q2994

Instrument ID: BNA_P Calibration Date/Time: 09/02/2025 14:07

Lab File ID: BP025637.D Init. Calib. Date(s): 08/14/2025 08/14/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:33 17:24

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.204	1.198		-0.5	
Benzaldehyde	1.082	1.314		21.4	
Phenol-d6	1.544	1.531		-0.8	
Phenol	1.620	1.598		-1.4	20.0
bis(2-Chloroethyl)ether	1.263	1.243		-1.6	
2-Chlorophenol	1.359	1.340		-1.4	
2-Methylphenol	1.125	1.100		-2.2	
2,2-oxybis(1-Chloropropane)	1.692	1.732		2.4	
Acetophenone	0.502	0.502		0.0	
3+4-Methylphenols	1.560	1.488		-4.6	
n-Nitroso-di-n-propylamine	1.023	0.985	0.050	-3.7	
Nitrobenzene-d5	0.395	0.404		2.3	
Hexachloroethane	0.563	0.567		0.7	
Nitrobenzene	0.353	0.364		3.1	
Isophorone	0.700	0.683		-2.4	
2-Nitrophenol	0.181	0.188		3.9	20.0
2,4-Dimethylphenol	0.312	0.305		-2.2	
bis(2-Chloroethoxy)methane	0.423	0.411		-2.8	
2,4-Dichlorophenol	0.310	0.297		-4.2	20.0
Naphthalene	1.040	1.017		-2.2	
4-Chloroaniline	0.459	0.443		-3.5	
Hexachlorobutadiene	0.211	0.213		0.9	20.0
Caprolactam	0.114	0.108		-5.3	
4-Chloro-3-methylphenol	0.355	0.345		-2.8	20.0
2-Methylnaphthalene	0.676	0.649		-4.0	
Hexachlorocyclopentadiene	0.349	0.328	0.050	-6.0	
2,4,6-Trichlorophenol	0.390	0.391		0.3	20.0
2-Fluorobiphenyl	1.463	1.440		-1.6	
2,4,5-Trichlorophenol	0.427	0.425		-0.5	
1,1-Biphenyl	1.453	1.437		-1.1	
2-Chloronaphthalene	1.131	1.113		-1.6	
2-Nitroaniline	0.329	0.349		6.1	
Dimethylphthalate	1.465	1.429		-2.5	
Acenaphthylene	1.871	1.833		-2.0	
2,6-Dinitrotoluene	0.309	0.304		-1.6	
3-Nitroaniline	0.347	0.335		-3.5	
Acenaphthene	1.098	1.046		-4.7	20.0
2,4-Dinitrophenol	0.165	0.177	0.050	7.3	
4-Nitrophenol	0.285	0.240	0.050	-15.8	

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EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:33 17:24

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.736	1.669		-3.9	
2,4-Dinitrotoluene	0.440	0.435		-1.1	
Diethylphthalate	1.488	1.410		-5.2	
4-Chlorophenyl-phenylether	0.681	0.657		-3.5	
Fluorene	1.370	1.322		-3.5	
4-Nitroaniline	0.356	0.345		-3.1	
4,6-Dinitro-2-methylphenol	0.125	0.142		13.6	
n-Nitrosodiphenylamine	0.610	0.622		2.0	20.0
2,4,6-Tribromophenol	0.269	0.275		2.2	
4-Bromophenyl-phenylether	0.220	0.229		4.1	
Hexachlorobenzene	0.255	0.267		4.7	
Atrazine	0.228	0.227		-0.4	
Pentachlorophenol	0.161	0.163		1.2	20.0
Phenanthrene	1.099	1.097		-0.2	
Anthracene	1.122	1.135		1.2	
Carbazole	1.057	1.059		0.2	
Di-n-butylphthalate	1.300	1.297		-0.2	
Fluoranthene	1.311	1.300		-0.8	20.0
Pyrene	1.300	1.299		-0.1	
Terphenyl-d14	1.093	1.116		2.1	
Butylbenzylphthalate	0.589	0.585		-0.7	
3,3-Dichlorobenzidine	0.497	0.465		-6.4	
Benzo(a)anthracene	1.319	1.297		-1.7	
Chrysene	1.235	1.246		0.9	
Bis(2-ethylhexyl)phthalate	0.867	0.838		-3.3	
Di-n-octyl phthalate	1.492	1.469		-1.5	20.0
Benzo(b)fluoranthene	1.179	1.162		-1.4	
Benzo(k)fluoranthene	1.180	1.165		-1.3	
Benzo(a)pyrene	1.148	1.135		-1.1	20.0
Indeno(1,2,3-cd)pyrene	1.467	1.441		-1.8	
Dibenzo(a,h)anthracene	1.199	1.186		-1.1	
Benzo(g,h,i)perylene	1.178	1.160		-1.5	
1,2,4,5-Tetrachlorobenzene	0.578	0.584		1.0	
1,4-Dioxane	0.472	0.451		-4.4	20.0
2,3,4,6-Tetrachlorophenol	0.377	0.375		-0.5	

All other compounds must meet a minimum RRF of 0.010.