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

LAB CHRONICLE

OrderID:	Q2592	**OrderDate:**	7/11/2025 3:05:25 PM
Client:	PARSONS Engineering of New York, Inc.	**Project:**	Con Edison - East River Site 2
Contact:	Zohar Lavy	**Location:**	D51,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2592-01	**WC-SOIL-20250711**	**SOIL**			**07/11/25**			**07/11/25**
			SVOCMS Group1	8270E		07/15/25	07/16/25	
Q2592-02	**WC-SOIL-20250711**	**TCLP**			**07/11/25**			**07/11/25**
			TCLP BNA	8270E		07/16/25	07/16/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2592

Client: PARSONS Engineering of New York, Inc.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID :	**WC-SOIL-20250711**								
Q2592-01	WC-SOIL-20250711	SOIL	Fluoranthene		760.000	J	200	1100	ug/Kg
Q2592-01	WC-SOIL-20250711	SOIL	Pyrene		690.000	J	230	1100	ug/Kg
Q2592-01	WC-SOIL-20250711	SOIL	Butylbenzylphthalate		860.000	J	460	1100	ug/Kg
Q2592-01	WC-SOIL-20250711	SOIL	Benzo(a)anthracene		490.000	J	150	1100	ug/Kg
Q2592-01	WC-SOIL-20250711	SOIL	Chrysene		570.000	J	130	1100	ug/Kg
Q2592-01	WC-SOIL-20250711	SOIL	Bis(2-ethylhexyl)phthalate		2,000.000		390	1100	ug/Kg
Q2592-01	WC-SOIL-20250711	SOIL	Benzo(b)fluoranthene		810.000	J	120	1100	ug/Kg
Q2592-01	WC-SOIL-20250711	SOIL	Benzo(a)pyrene		620.000	J	190	1100	ug/Kg
Q2592-01	WC-SOIL-20250711	SOIL	Indeno(1,2,3-cd)pyrene		470.000	J	190	1100	ug/Kg
Q2592-01	WC-SOIL-20250711	SOIL	Benzo(g,h,i)perylene		640.000	J	170	1100	ug/Kg
			Total Svoc :		**7,910.00**				
Q2592-01	WC-SOIL-20250711	SOIL	Benzenamine, 2-methoxy-	*	680.000	J	0	0	ug/Kg
Q2592-01	WC-SOIL-20250711	SOIL	Benzene, 1-isocyanato-2-methoxy	*	470.000	J	0	0	ug/Kg
Q2592-01	WC-SOIL-20250711	SOIL	Benzophenone	*	510.000	J	0	0	ug/Kg
Q2592-01	WC-SOIL-20250711	SOIL	n-Hexadecanoic acid	*	980.000	J	0	0	ug/Kg
Q2592-01	WC-SOIL-20250711	SOIL	Octadecanoic acid	*	770.000	J	0	0	ug/Kg
Q2592-01	WC-SOIL-20250711	SOIL	Phenol, 4,4-(1-methylethylidene)b	*	1,500.000	J	0	0	ug/Kg
Q2592-01	WC-SOIL-20250711	SOIL	unknown16.113	*	460.000	J	0	0	ug/Kg
Q2592-01	WC-SOIL-20250711	SOIL	Benzoic acid	*	1,400.000	J	1200	2100	ug/Kg
			Total Tics :		**6,770.00**				
			Total Concentration:		**14,680.00**				

SAMPLE DATA

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Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	07/11/25
Project:	Con Edison - East River Site 2	Date Received:	07/11/25
Client Sample ID:	WC-SOIL-20250711	SDG No.:	Q2592
Lab Sample ID:	Q2592-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	76.7
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BP025166.D	5	07/15/25 09:05	07/16/25 20:22	PB168854

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	2100	U	1000	2100	ug/Kg
108-95-2	Phenol	1100	U	140	1100	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1100	U	160	1100	ug/Kg
95-57-8	2-Chlorophenol	1100	U	160	1100	ug/Kg
95-48-7	2-Methylphenol	1100	U	190	1100	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1100	U	240	1100	ug/Kg
98-86-2	Acetophenone	1100	U	190	1100	ug/Kg
65794-96-9	3+4-Methylphenols	2100	U	270	2100	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	520	U	310	520	ug/Kg
67-72-1	Hexachloroethane	1100	U	110	1100	ug/Kg
98-95-3	Nitrobenzene	1100	U	120	1100	ug/Kg
78-59-1	Isophorone	1100	U	210	1100	ug/Kg
88-75-5	2-Nitrophenol	1100	U	380	1100	ug/Kg
105-67-9	2,4-Dimethylphenol	1100	U	420	1100	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1100	U	200	1100	ug/Kg
120-83-2	2,4-Dichlorophenol	1100	U	180	1100	ug/Kg
91-20-3	Naphthalene	1100	U	150	1100	ug/Kg
106-47-8	4-Chloroaniline	1100	U	230	1100	ug/Kg
87-68-3	Hexachlorobutadiene	1100	U	160	1100	ug/Kg
105-60-2	Caprolactam	2100	U	340	2100	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1100	U	190	1100	ug/Kg
91-57-6	2-Methylnaphthalene	1100	U	170	1100	ug/Kg
77-47-4	Hexachlorocyclopentadiene	2100	U	750	2100	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1100	U	130	1100	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1100	U	190	1100	ug/Kg
92-52-4	1,1-Biphenyl	1100	U	140	1100	ug/Kg
91-58-7	2-Chloronaphthalene	1100	U	150	1100	ug/Kg
88-74-4	2-Nitroaniline	1100	U	310	1100	ug/Kg
131-11-3	Dimethylphthalate	1100	U	180	1100	ug/Kg

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Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	07/11/25
Project:	Con Edison - East River Site 2	Date Received:	07/11/25
Client Sample ID:	WC-SOIL-20250711	SDG No.:	Q2592
Lab Sample ID:	Q2592-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	76.7
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BP025166.D	5	07/15/25 09:05	07/16/25 20:22	PB168854

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1100	U	190	1100	ug/Kg
606-20-2	2,6-Dinitrotoluene	1100	U	220	1100	ug/Kg
99-09-2	3-Nitroaniline	1100	U	300	1100	ug/Kg
83-32-9	Acenaphthene	1100	U	140	1100	ug/Kg
51-28-5	2,4-Dinitrophenol	2100	U	1500	2100	ug/Kg
100-02-7	4-Nitrophenol	2100	U	700	2100	ug/Kg
132-64-9	Dibenzofuran	1100	U	150	1100	ug/Kg
121-14-2	2,4-Dinitrotoluene	1100	U	330	1100	ug/Kg
84-66-2	Diethylphthalate	1100	U	180	1100	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1100	U	170	1100	ug/Kg
86-73-7	Fluorene	1100	U	160	1100	ug/Kg
100-01-6	4-Nitroaniline	1100	UQ	420	1100	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2100	U	670	2100	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1100	U	210	1100	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1100	U	180	1100	ug/Kg
118-74-1	Hexachlorobenzene	1100	U	160	1100	ug/Kg
1912-24-9	Atrazine	1100	U	220	1100	ug/Kg
87-86-5	Pentachlorophenol	2100	U	330	2100	ug/Kg
85-01-8	Phenanthrene	1100	U	140	1100	ug/Kg
120-12-7	Anthracene	1100	U	220	1100	ug/Kg
86-74-8	Carbazole	1100	U	200	1100	ug/Kg
84-74-2	Di-n-butylphthalate	1100	U	310	1100	ug/Kg
206-44-0	Fluoranthene	760	J	200	1100	ug/Kg
129-00-0	Pyrene	690	J	230	1100	ug/Kg
85-68-7	Butylbenzylphthalate	860	J	460	1100	ug/Kg
91-94-1	3,3-Dichlorobenzidine	2100	U	240	2100	ug/Kg
56-55-3	Benzo(a)anthracene	490	J	150	1100	ug/Kg
218-01-9	Chrysene	570	J	130	1100	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2000		390	1100	ug/Kg
117-84-0	Di-n-octyl phthalate	2100	U	560	2100	ug/Kg
205-99-2	Benzo(b)fluoranthene	810	J	120	1100	ug/Kg

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Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	07/11/25
Project:	Con Edison - East River Site 2	Date Received:	07/11/25
Client Sample ID:	WC-SOIL-20250711	SDG No.:	Q2592
Lab Sample ID:	Q2592-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	76.7
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BP025166.D	5	07/15/25 09:05	07/16/25 20:22	PB168854

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1100	U	150	1100	ug/Kg
50-32-8	Benzo(a)pyrene	620	J	190	1100	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	470	J	190	1100	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1100	U	180	1100	ug/Kg
191-24-2	Benzo(g,h,i)perylene	640	J	170	1100	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1100	U	170	1100	ug/Kg
123-91-1	1,4-Dioxane	1100	U	290	1100	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1100	U	180	1100	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	70.8		18 - 112	47%	SPK: 150
13127-88-3	Phenol-d6	71.5		15 - 107	48%	SPK: 150
4165-60-0	Nitrobenzene-d5	53.2		18 - 107	53%	SPK: 100
321-60-8	2-Fluorobiphenyl	55.4		20 - 109	55%	SPK: 100
118-79-6	2,4,6-Tribromophenol	97.1		10 - 116	65%	SPK: 150
1718-51-0	Terphenyl-d14	58.2		10 - 105	58%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	569000	7.443			
1146-65-2	Naphthalene-d8	2220000	10.19			
15067-26-2	Acenaphthene-d10	1400000	14.101			
1517-22-2	Phenanthrene-d10	2850000	16.919			
1719-03-5	Chrysene-d12	3030000	21.348			
1520-96-3	Perylene-d12	3540000	24.495			
TENTATIVE IDENTIFIED COMPOUNDS						
65-85-0	Benzoic acid	1400	J		9.46	ug/Kg
000090-04-0	Benzenamine, 2-methoxy-	680	J		9.91	ug/Kg
000700-87-8	Benzene, 1-isocyanato-2-methoxy-	470	J		10.4	ug/Kg
000119-61-9	Benzophenone	510	J		15.5	ug/Kg
	unknown16.113	460	J		16.1	ug/Kg
000057-10-3	n-Hexadecanoic acid	980	J		17.9	ug/Kg
000057-11-4	Octadecanoic acid	770	J		19.3	ug/Kg

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Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	07/11/25
Project:	Con Edison - East River Site 2	Date Received:	07/11/25
Client Sample ID:	WC-SOIL-20250711	SDG No.:	Q2592
Lab Sample ID:	Q2592-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	76.7
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BP025166.D	5	07/15/25 09:05	07/16/25 20:22	PB168854

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000080-05-7	Phenol, 4,4-(1-methylethylidene)b	1500	J		19.5	ug/Kg

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

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

QC SUMMARY

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Surrogate Summary

SW-846

SDG No.: Q2592

Client: PARSONS Engineering of New York, Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB168854BL	PB168854BL	2-Fluorophenol	150	110	73		18	112
		Phenol-d6	150	110	73		15	107
		Nitrobenzene-d5	100	82.0	82		18	107
		2-Fluorobiphenyl	100	70.8	71		20	109
		2,4,6-Tribromophenol	150	131	87		10	116
		Terphenyl-d14	100	77.2	77		10	105
PB168854BS	PB168854BS	2-Fluorophenol	150	112	75		18	112
		Phenol-d6	150	114	76		15	107
		Nitrobenzene-d5	100	86.0	86		18	107
		2-Fluorobiphenyl	100	72.4	72		20	109
		2,4,6-Tribromophenol	150	140	94		10	116
		Terphenyl-d14	100	79.7	80		10	105
Q2592-01	WC-SOIL-20250711	2-Fluorophenol	150	70.8	47		18	112
		Phenol-d6	150	71.5	48		15	107
		Nitrobenzene-d5	100	53.2	53		18	107
		2-Fluorobiphenyl	100	55.4	55		20	109
		2,4,6-Tribromophenol	150	97.1	65		10	116
		Terphenyl-d14	100	58.2	58		10	105
Q2597-01MS	CHRT-26899MS	2-Fluorophenol	150	81.7	54		18	112
		Phenol-d6	150	79.9	53		15	107
		Nitrobenzene-d5	100	60.7	61		18	107
		2-Fluorobiphenyl	100	62.3	62		20	109
		2,4,6-Tribromophenol	150	106	71		10	116
		Terphenyl-d14	100	63.9	64		10	105
Q2597-01MSD	CHRT-26899MSD	2-Fluorophenol	150	82.8	55		18	112
		Phenol-d6	150	80.9	54		15	107
		Nitrobenzene-d5	100	59.8	60		18	107
		2-Fluorobiphenyl	100	60.6	61		20	109
		2,4,6-Tribromophenol	150	105	70		10	116
		Terphenyl-d14	100	62.7	63		10	105

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2592 **Analytical Method:** SW8270E

Client: PARSONS Engineering of New York, Inc. **DataFile:** BP025191.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q2597-01MS		**Client Sample ID: CHRT-26899MS**									
Benzaldehyde	1000	0	880	ug/Kg	88				10	171	
Phenol	1000	0	860	ug/Kg	86				51	122	
bis(2-Chloroethyl)ether	1000	0	840	ug/Kg	84				54	125	
2-Chlorophenol	1000	0	910	ug/Kg	91				51	121	
2-Methylphenol	1000	0	930	ug/Kg	93				47	125	
2,2-oxybis(1-Chloropropane)	1000	0	800	ug/Kg	80				46	119	
Acetophenone	1000	0	800	ug/Kg	80				55	128	
3+4-Methylphenols	1000	0	900	ug/Kg	90				49	125	
N-Nitroso-di-n-propylamine	1000	0	790	ug/Kg	79				59	119	
Hexachloroethane	1000	0	920	ug/Kg	92				51	116	
Nitrobenzene	1000	0	880	ug/Kg	88				47	124	
Isophorone	1000	0	900	ug/Kg	90				49	127	
2-Nitrophenol	1000	0	1000	ug/Kg	100				43	131	
2,4-Dimethylphenol	1000	0	1200	ug/Kg	120				63	151	
bis(2-Chloroethoxy)methane	1000	0	850	ug/Kg	85				51	119	
2,4-Dichlorophenol	1000	0	950	ug/Kg	95				50	122	
Naphthalene	1000	0	840	ug/Kg	84				51	121	
4-Chloroaniline	1000	0	440	ug/Kg	44				10	100	
Hexachlorobutadiene	1000	0	980	ug/Kg	98				44	126	
Caprolactam	1000	0	860	ug/Kg	86				51	134	
4-Chloro-3-methylphenol	1000	0	880	ug/Kg	88				57	132	
2-Methylnaphthalene	1000	0	770	ug/Kg	77				59	123	
Hexachlorocyclopentadiene	2000	0	2500	ug/Kg	125				10	175	
2,4,6-Trichlorophenol	1000	0	1100	ug/Kg	110				33	141	
2,4,5-Trichlorophenol	1000	0	1000	ug/Kg	100				38	135	
1,1-Biphenyl	1000	0	880	ug/Kg	88				55	131	
2-Chloronaphthalene	1000	0	910	ug/Kg	91				48	124	
2-Nitroaniline	1000	0	940	ug/Kg	94				47	134	
Dimethylphthalate	1000	0	850	ug/Kg	85				54	120	
Acenaphthylene	1000	0	950	ug/Kg	95				57	125	
2,6-Dinitrotoluene	1000	0	1000	ug/Kg	100				48	127	
3-Nitroaniline	1000	0	810	ug/Kg	81				10	112	
Acenaphthene	1000	0	850	ug/Kg	85				70	121	
2,4-Dinitrophenol	2000	0	1100	ug/Kg	55				10	155	
4-Nitrophenol	2000	0	1800	ug/Kg	90				10	175	
Dibenzofuran	1000	0	810	ug/Kg	81				52	114	
2,4-Dinitrotoluene	1000	0	900	ug/Kg	90				41	140	
Diethylphthalate	1000	0	810	ug/Kg	81				51	119	
4-Chlorophenyl-phenylether	1000	0	820	ug/Kg	82				48	122	
Fluorene	1000	0	790	ug/Kg	79				53	118	
4-Nitroaniline	1000	0	830	ug/Kg	83				29	140	
4,6-Dinitro-2-methylphenol	1000	0	690	ug/Kg	69				10	160	
N-Nitrosodiphenylamine	1000	0	970	ug/Kg	97				73	118	
4-Bromophenyl-phenylether	1000	0	1100	ug/Kg	110				65	121	
Hexachlorobenzene	1000	0	1000	ug/Kg	100				67	118	
Atrazine	1000	0	1200	ug/Kg	120				45	175	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2592 **Analytical Method:** SW8270E

Client: PARSONS Engineering of New York, Inc. **DataFile:** BP025191.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	2000	0	2000	ug/Kg	100				13	153	
Phenanthrene	1000	0	880	ug/Kg	88				52	128	
Anthracene	1000	0	920	ug/Kg	92				62	124	
Carbazole	1000	0	870	ug/Kg	87				59	119	
Di-n-butylphthalate	1000	0	920	ug/Kg	92				55	125	
Fluoranthene	1000	100	910	ug/Kg	81				44	125	
Pyrene	1000	110	850	ug/Kg	74				37	122	
Butylbenzylphthalate	1000	0	930	ug/Kg	93				44	135	
3,3-Dichlorobenzidine	1000	0	560	ug/Kg	56				15	112	
Benzo(a)anthracene	1000	62.5	930	ug/Kg	87				53	119	
Chrysene	1000	92.0	930	ug/Kg	84				57	121	
bis(2-Ethylhexyl)phthalate	1000	120	1100	ug/Kg	98				42	169	
Di-n-octyl phthalate	1000	0	1000	ug/Kg	100				51	156	
Benzo(b)fluoranthene	1000	140	930	ug/Kg	79				52	117	
Benzo(k)fluoranthene	1000	46.9	890	ug/Kg	84				57	134	
Benzo(a)pyrene	1000	63.6	1000	ug/Kg	94				70	142	
Indeno(1,2,3-cd)pyrene	1000	62.9	1000	ug/Kg	94				40	129	
Dibenz(a,h)anthracene	1000	0	980	ug/Kg	98				43	123	
Benzo(g,h,i)perylene	1000	76.3	990	ug/Kg	91				24	125	
1,2,4,5-Tetrachlorobenzene	1000	0	950	ug/Kg	95				52	134	
1,4-Dioxane	1000	0	680	ug/Kg	68				46	112	
2,3,4,6-Tetrachlorophenol	1000	0	950	ug/Kg	95				24	146	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2592 **Analytical Method:** SW8270E

Client: PARSONS Engineering of New York, Inc. **DataFile:** BP025192.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q2597-01MSD		**Client Sample ID: CHRT-26899MSD**									
Benzaldehyde	1000	0	870	ug/Kg	87	1			10	171	20
Phenol	1000	0	870	ug/Kg	87	1			51	122	20
bis(2-Chloroethyl)ether	1000	0	840	ug/Kg	84	0			54	125	20
2-Chlorophenol	1000	0	930	ug/Kg	93	2			51	121	20
2-Methylphenol	1000	0	930	ug/Kg	93	0			47	125	20
2,2-oxybis(1-Chloropropane)	1000	0	800	ug/Kg	80	0			46	119	20
Acetophenone	1000	0	800	ug/Kg	80	0			55	128	20
3+4-Methylphenols	1000	0	900	ug/Kg	90	0			49	125	20
N-Nitroso-di-n-propylamine	1000	0	790	ug/Kg	79	0			59	119	20
Hexachloroethane	1000	0	920	ug/Kg	92	0			51	116	20
Nitrobenzene	1000	0	860	ug/Kg	86	2			47	124	20
Isophorone	1000	0	890	ug/Kg	89	1			49	127	20
2-Nitrophenol	1000	0	1000	ug/Kg	100	0			43	131	20
2,4-Dimethylphenol	1000	0	1200	ug/Kg	120	0			63	151	20
bis(2-Chloroethoxy)methane	1000	0	840	ug/Kg	84	1			51	119	20
2,4-Dichlorophenol	1000	0	960	ug/Kg	96	1			50	122	20
Naphthalene	1000	0	840	ug/Kg	84	0			51	121	20
4-Chloroaniline	1000	0	460	ug/Kg	46	4			10	100	20
Hexachlorobutadiene	1000	0	980	ug/Kg	98	0			44	126	20
Caprolactam	1000	0	850	ug/Kg	85	1			51	134	20
4-Chloro-3-methylphenol	1000	0	880	ug/Kg	88	0			57	132	20
2-Methylnaphthalene	1000	0	760	ug/Kg	76	1			59	123	20
Hexachlorocyclopentadiene	2000	0	2300	ug/Kg	115	8			10	175	20
2,4,6-Trichlorophenol	1000	0	1100	ug/Kg	110	0			33	141	20
2,4,5-Trichlorophenol	1000	0	1000	ug/Kg	100	0			38	135	20
1,1-Biphenyl	1000	0	860	ug/Kg	86	2			55	131	20
2-Chloronaphthalene	1000	0	900	ug/Kg	90	1			48	124	20
2-Nitroaniline	1000	0	940	ug/Kg	94	0			47	134	20
Dimethylphthalate	1000	0	830	ug/Kg	83	2			54	120	20
Acenaphthylene	1000	0	940	ug/Kg	94	1			57	125	20
2,6-Dinitrotoluene	1000	0	1000	ug/Kg	100	0			48	127	20
3-Nitroaniline	1000	0	800	ug/Kg	80	1			10	112	20
Acenaphthene	1000	0	820	ug/Kg	82	4			70	121	20
2,4-Dinitrophenol	2000	0	1100	ug/Kg	55	0			10	155	20
4-Nitrophenol	2000	0	1800	ug/Kg	90	0			10	175	20
Dibenzofuran	1000	0	790	ug/Kg	79	3			52	114	20
2,4-Dinitrotoluene	1000	0	900	ug/Kg	90	0			41	140	20
Diethylphthalate	1000	0	800	ug/Kg	80	1			51	119	20
4-Chlorophenyl-phenylether	1000	0	810	ug/Kg	81	1			48	122	20
Fluorene	1000	0	790	ug/Kg	79	0			53	118	20
4-Nitroaniline	1000	0	820	ug/Kg	82	1			29	140	20
4,6-Dinitro-2-methylphenol	1000	0	670	ug/Kg	67	3			10	160	20
N-Nitrosodiphenylamine	1000	0	950	ug/Kg	95	2			73	118	20
4-Bromophenyl-phenylether	1000	0	1100	ug/Kg	110	0			65	121	20
Hexachlorobenzene	1000	0	1000	ug/Kg	100	0			67	118	20
Atrazine	1000	0	1200	ug/Kg	120	0			45	175	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2592 **Analytical Method:** SW8270E

Client: PARSONS Engineering of New York, Inc. **DataFile:** BP025192.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	2000	0	2000	ug/Kg	100	0			13	153	20
Phenanthrene	1000	0	850	ug/Kg	85	3			52	128	20
Anthracene	1000	0	910	ug/Kg	91	1			62	124	20
Carbazole	1000	0	860	ug/Kg	86	1			59	119	20
Di-n-butylphthalate	1000	0	890	ug/Kg	89	3			55	125	20
Fluoranthene	1000	100	890	ug/Kg	79	3			44	125	20
Pyrene	1000	110	860	ug/Kg	75	1			37	122	20
Butylbenzylphthalate	1000	0	920	ug/Kg	92	1			44	135	20
3,3-Dichlorobenzidine	1000	0	600	ug/Kg	60	7			15	112	20
Benzo(a)anthracene	1000	62.5	930	ug/Kg	87	0			53	119	20
Chrysene	1000	92.0	930	ug/Kg	84	0			57	121	20
bis(2-Ethylhexyl)phthalate	1000	120	1100	ug/Kg	98	0			42	169	20
Di-n-octyl phthalate	1000	0	1000	ug/Kg	100	0			51	156	20
Benzo(b)fluoranthene	1000	140	960	ug/Kg	82	4			52	117	20
Benzo(k)fluoranthene	1000	46.9	850	ug/Kg	80	5			57	134	20
Benzo(a)pyrene	1000	63.6	1000	ug/Kg	94	0			70	142	20
Indeno(1,2,3-cd)pyrene	1000	62.9	1000	ug/Kg	94	0			40	129	20
Dibenz(a,h)anthracene	1000	0	970	ug/Kg	97	1			43	123	20
Benzo(g,h,i)perylene	1000	76.3	980	ug/Kg	90	1			24	125	20
1,2,4,5-Tetrachlorobenzene	1000	0	940	ug/Kg	94	1			52	134	20
1,4-Dioxane	1000	0	670	ug/Kg	67	1			46	112	20
2,3,4,6-Tetrachlorophenol	1000	0	940	ug/Kg	94	1			24	146	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2592 **Analytical Method:** 8270E

Client: PARSONS Engineering of New York, Inc. **DataFile:** BF143119.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168854BS	Benzaldehyde	1700	1200	ug/Kg	71				10	133	
	Phenol	1700	1500	ug/Kg	88				62	112	
	bis(2-Chloroethyl)ether	1700	1400	ug/Kg	82				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	1400	ug/Kg	82				51	100	
	Acetophenone	1700	1400	ug/Kg	82				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	1500	ug/Kg	88				72	108	
	Nitrobenzene	1700	1600	ug/Kg	94				57	101	
	Isophorone	1700	1500	ug/Kg	88				59	99	
	2-Nitrophenol	1700	1600	ug/Kg	94				61	111	
	2,4-Dimethylphenol	1700	1500	ug/Kg	88				46	141	
	bis(2-Chloroethoxy)methane	1700	1500	ug/Kg	88				66	97	
	2,4-Dichlorophenol	1700	1500	ug/Kg	88				62	107	
	Naphthalene	1700	1400	ug/Kg	82				62	100	
	4-Chloroaniline	1700	620	ug/Kg	36				16	100	
	Hexachlorobutadiene	1700	1500	ug/Kg	88				53	98	
	Caprolactam	1700	1700	ug/Kg	100				67	110	
	4-Chloro-3-methylphenol	1700	1500	ug/Kg	88				58	112	
	2-Methylnaphthalene	1700	1500	ug/Kg	88				60	104	
	Hexachlorocyclopentadiene	3300	3100	ug/Kg	94				45	165	
	2,4,6-Trichlorophenol	1700	1600	ug/Kg	94				59	102	
	2,4,5-Trichlorophenol	1700	1600	ug/Kg	94				61	98	
	1,1-Biphenyl	1700	1400	ug/Kg	82				57	103	
	2-Chloronaphthalene	1700	1400	ug/Kg	82				58	99	
	2-Nitroaniline	1700	1600	ug/Kg	94				66	101	
	Dimethylphthalate	1700	1500	ug/Kg	88				61	99	
	Acenaphthylene	1700	1500	ug/Kg	88				63	101	
	2,6-Dinitrotoluene	1700	1600	ug/Kg	94				61	104	
	3-Nitroaniline	1700	1100	ug/Kg	65				28	100	
	Acenaphthene	1700	1500	ug/Kg	88				57	104	
	2,4-Dinitrophenol	3300	3200	ug/Kg	97				37	128	
	4-Nitrophenol	3300	3400	ug/Kg	103				48	119	
	Dibenzofuran	1700	1500	ug/Kg	88				63	99	
	2,4-Dinitrotoluene	1700	1700	ug/Kg	100				60	106	
	Diethylphthalate	1700	1600	ug/Kg	94				60	101	
	4-Chlorophenyl-phenylether	1700	1500	ug/Kg	88				58	98	
	Fluorene	1700	1400	ug/Kg	82				61	101	
	4-Nitroaniline	1700	1800	ug/Kg	106		*		64	103	
	4,6-Dinitro-2-methylphenol	1700	1700	ug/Kg	100				76	113	
	N-Nitrosodiphenylamine	1700	1500	ug/Kg	88				71	99	
	4-Bromophenyl-phenylether	1700	1500	ug/Kg	88				66	102	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2592 **Analytical Method:** 8270E

Client: PARSONS Engineering of New York, Inc. **DataFile:** BF143119.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168854BS	Hexachlorobenzene	1700	1500	ug/Kg	88				64	98	
	Atrazine	1700	1700	ug/Kg	100				47	152	
	Pentachlorophenol	3300	3300	ug/Kg	100				67	105	
	Phenanthrene	1700	1400	ug/Kg	82				59	103	
	Anthracene	1700	1500	ug/Kg	88				61	105	
	Carbazole	1700	1500	ug/Kg	88				61	99	
	Di-n-butylphthalate	1700	1700	ug/Kg	100				58	104	
	Fluoranthene	1700	1500	ug/Kg	88				57	107	
	Pyrene	1700	1500	ug/Kg	88				59	103	
	Butylbenzylphthalate	1700	1700	ug/Kg	100				55	103	
	3,3-Dichlorobenzidine	1700	780	ug/Kg	46				42	91	
	Benzo(a)anthracene	1700	1600	ug/Kg	94				60	102	
	Chrysene	1700	1500	ug/Kg	88				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1600	ug/Kg	94				54	135	
	Di-n-octyl phthalate	1700	1500	ug/Kg	88				52	137	
	Benzo(b)fluoranthene	1700	1500	ug/Kg	88				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	1500	ug/Kg	88				63	101	
	Dibenz(a,h)anthracene	1700	1500	ug/Kg	88				61	112	
	Benzo(g,h,i)perylene	1700	1500	ug/Kg	88				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1400	ug/Kg	82				53	101	
	1,4-Dioxane	1700	1200	ug/Kg	71				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: PB168854BL

Lab Name: Alliance | Contract: PARS02

Lab Code: ACE | SDG NO.: Q2592

Lab File ID: BF143118.D | Lab Sample ID: PB168854BL

Instrument ID: BNA_F | Date Extracted: 07/15/2025

Matrix: (soil/water) SOIL | Date Analyzed: 07/16/2025

Level: (low/med) LOW | Time Analyzed: 20:09

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB168854BS	PB168854BS	BF143119.D	07/16/2025
WC-SOIL-20250711	Q2592-01	BP025166.D	07/16/2025
CHRT-26899MS	Q2597-01MS	BP025191.D	07/18/2025
CHRT-26899MSD	Q2597-01MSD	BP025192.D	07/18/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: PARS02

Lab Code: ACE SDG NO.: Q2592

Lab File ID: BF143092.D DFTPP Injection Date: 07/15/2025

Instrument ID: BNA_F DFTPP Injection Time: 12:35

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.6 (2) 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	0.3
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	4.0
441	Present, but less than mass 443	77.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.4 (19.4) 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	BF143093.D	07/15/2025	13:04
SSTDICC005	SSTDICC005	BF143094.D	07/15/2025	13:35
SSTDICC010	SSTDICC010	BF143095.D	07/15/2025	14:05
SSTDICC020	SSTDICC020	BF143096.D	07/15/2025	14:36
SSTDICCC040	SSTDICCC040	BF143097.D	07/15/2025	15:05
SSTDICC050	SSTDICC050	BF143098.D	07/15/2025	15:35
SSTDICC060	SSTDICC060	BF143099.D	07/15/2025	16:05
SSTDICC080	SSTDICC080	BF143100.D	07/15/2025	16:35

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: PARS02

Lab Code: ACE SDG NO.: Q2592

Lab File ID: BF143116.D DFTPP Injection Date: 07/16/2025

Instrument ID: BNA_F DFTPP Injection Time: 19:09

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	100
70	Less than 2.0% of mass 69	0.2 (0.6) 1
197	Less than 2.0% of mass 198	0.7
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	3.6
441	Present, but less than mass 443	79.1
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.1 (19.1) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF143117.D	07/16/2025	19:39
PB168854BL	PB168854BL	BF143118.D	07/16/2025	20:09
PB168854BS	PB168854BS	BF143119.D	07/16/2025	20:39

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: PARS02

Lab Code: ACE SDG NO.: Q2592

Lab File ID: BP025070.D DFTPP Injection Date: 07/03/2025

Instrument ID: BNA_P DFTPP Injection Time: 08:58

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.7) 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	6.8
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	79.7
442	Greater than 50% of mass 198	100.0
443	15.0 - 24.0% of mass 442	18 (19.4) 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	BP025071.D	07/03/2025	09:39
SSTDICC005	SSTDICC005	BP025072.D	07/03/2025	10:21
SSTDICC010	SSTDICC010	BP025073.D	07/03/2025	11:02
SSTDICC020	SSTDICC020	BP025074.D	07/03/2025	11:44
SSTDICCC040	SSTDICCC040	BP025075.D	07/03/2025	12:25
SSTDICC050	SSTDICC050	BP025076.D	07/03/2025	13:07
SSTDICC060	SSTDICC060	BP025077.D	07/03/2025	13:49
SSTDICC080	SSTDICC080	BP025078.D	07/03/2025	14:31

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance | Contract: PARS02

Lab Code: ACE | SDG NO.: Q2592

Lab File ID: BP025154.D | DFTPP Injection Date: 07/16/2025

Instrument ID: BNA_P | DFTPP Injection Time: 11:19

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.7) 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	6.8
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	78.5
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.5 (19.8) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BP025155.D	07/16/2025	12:42
WC-SOIL-20250711	Q2592-01	BP025166.D	07/16/2025	20:22

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: PARS02

Lab Code: ACE SDG NO.: Q2592

Lab File ID: BP025186.D DFTPP Injection Date: 07/18/2025

Instrument ID: BNA_P DFTPP Injection Time: 09:41

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.4 (1.8) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.1 (0.5) 1
197	Less than 2.0% of mass 198	0.0
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	4.2
441	Present, but less than mass 443	80.7
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
SSTDCCC040	SSTDCCC040	BP025187.D	07/18/2025	11:04
CHRT-26899MS	Q2597-01MS	BP025191.D	07/18/2025	13:52
CHRT-26899MSD	Q2597-01MSD	BP025192.D	07/18/2025	14:33

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2592

Client ID : SSTDCCC040 Date Analyzed: 07/16/2025

Lab File ID: BF143117.D Time Analyzed: 19:39

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	135149	6.969	510164	8.25	254065	10.00
	UPPER LIMIT	270298	7.469	1020330	8.751	508130	10.504
	LOWER LIMIT	67574.5	6.469	255082	7.751	127033	9.504
	EPA SAMPLE NO.						
01	PB168854BS	139596	6.97	538805	8.25	272708	10.00
02	PB168854BL	138731	6.96	528830	8.25	273109	10.00

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.: Q2592

Client ID: SSTDCCC040 Date Analyzed: 07/16/2025

Lab File ID: BF143117.D Time Analyzed: 19:39

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	397173	11.492	210714	14.127	255524	15.633
	UPPER LIMIT	794346	11.992	421428	14.627	511048	16.133
	LOWER LIMIT	198587	10.992	105357	13.627	127762	15.133
	EPA SAMPLE NO.						
01	PB168854BS	455589	11.49	240950	14.13	262866	15.63
02	PB168854BL	466923	11.49	262735	14.13	225267	15.63

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.: Q2592

Client ID : SSTDCCC040 Date Analyzed: 07/16/2025

Lab File ID: BP025155.D Time Analyzed: 12:42

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	564997	7.443	2237580	10.20	1465070	14.10
	UPPER LIMIT	1129990	7.943	4475160	10.696	2930140	14.595
	LOWER LIMIT	282499	6.943	1118790	9.696	732535	13.595
	EPA SAMPLE NO.						
01	WC-SOIL-20250711	569178	7.44	2223520	10.19	1404760	14.10

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.: Q2592

Client ID: SSTDCCC040 Date Analyzed: 07/16/2025

Lab File ID: BP025155.D Time Analyzed: 12:42

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	2922940	16.93	2997870	21.36	3472370	24.501
	UPPER LIMIT	5845880	17.43	5995740	21.86	6944740	25.001
	LOWER LIMIT	1461470	16.43	1498940	20.86	1736190	24.001
	EPA SAMPLE NO.						
01	WC-SOIL-20250711	2849470	16.92	3032750	21.35	3540160	24.50

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.: Q2592

Client ID : SSTDCCC040 Date Analyzed: 07/18/2025

Lab File ID: BP025187.D Time Analyzed: 11:04

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	531610	7.437	2146080	10.19	1427550	14.10
	UPPER LIMIT	1063220	7.937	4292160	10.69	2855100	14.601
	LOWER LIMIT	265805	6.937	1073040	9.69	713775	13.601
	EPA SAMPLE NO.						
01	CHRT-26899MS	725237	7.44	2872260	10.18	1756650	14.10
02	CHRT-26899MSD	718069	7.44	2875360	10.19	1762350	14.10

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.: Q2592

Client ID: SSTDCCC040 Date Analyzed: 07/18/2025

Lab File ID: BP025187.D Time Analyzed: 11:04

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	2869300	16.925	3091730	21.348	3620680	24.495
	UPPER LIMIT	5738600	17.425	6183460	21.848	7241360	24.995
	LOWER LIMIT	1434650	16.425	1545870	20.848	1810340	23.995
	EPA SAMPLE NO.						
01	CHRT-26899MS	3030590	16.92	3384850	21.36	4114550	24.51
02	CHRT-26899MSD	3047800	16.92	3398850	21.36	4139650	24.52

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

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

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

QC SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	
Project:	Con Edison - East River Site 2	Date Received:	
Client Sample ID:	PB168854BL	SDG No.:	Q2592
Lab Sample ID:	PB168854BL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BF143118.D	1	07/15/25 09:05	07/16/25 20:09	PB168854

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

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Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	
Project:	Con Edison - East River Site 2	Date Received:	
Client Sample ID:	PB168854BL	SDG No.:	Q2592
Lab Sample ID:	PB168854BL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BF143118.D	1	07/15/25 09:05	07/16/25 20:09	PB168854

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

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Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	
Project:	Con Edison - East River Site 2	Date Received:	
Client Sample ID:	PB168854BL	SDG No.:	Q2592
Lab Sample ID:	PB168854BL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BF143118.D	1	07/15/25 09:05	07/16/25 20:09	PB168854

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	170	U	22.4	170	ug/Kg
50-32-8	Benzo(a)pyrene	170	U	29.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	170	U	29.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	170	U	27.4	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	170	U	25.7	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	170	U	25.6	170	ug/Kg
123-91-1	1,4-Dioxane	170	U	45.2	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	170	U	27.4	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	110		18 - 112	73%	SPK: 150
13127-88-3	Phenol-d6	110		15 - 107	73%	SPK: 150
4165-60-0	Nitrobenzene-d5	82.0		18 - 107	82%	SPK: 100
321-60-8	2-Fluorobiphenyl	70.8		20 - 109	71%	SPK: 100
118-79-6	2,4,6-Tribromophenol	131		10 - 116	87%	SPK: 150
1718-51-0	Terphenyl-d14	77.2		10 - 105	77%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	139000	6.963			
1146-65-2	Naphthalene-d8	529000	8.245			
15067-26-2	Acenaphthene-d10	273000	9.998			
1517-22-2	Phenanthrene-d10	467000	11.486			
1719-03-5	Chrysene-d12	263000	14.127			
1520-96-3	Perylene-d12	225000	15.633			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	290	A		5.22	ug/Kg
006311-48-4	(1,1-Biphenyl)-4,4-diamine, N,N	180	J		17.5	ug/Kg

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Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	
Project:	Con Edison - East River Site 2	Date Received:	
Client Sample ID:	PB168854BL	SDG No.:	Q2592
Lab Sample ID:	PB168854BL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BF143118.D	1	07/15/25 09:05	07/16/25 20:09	PB168854

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

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Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	
Project:	Con Edison - East River Site 2	Date Received:	
Client Sample ID:	PB168854BS	SDG No.:	Q2592
Lab Sample ID:	PB168854BS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BF143119.D	1	07/15/25 09:05	07/16/25 20:39	PB168854

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1200		160	330	ug/Kg
108-95-2	Phenol	1500		22.1	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1400		24.3	170	ug/Kg
95-57-8	2-Chlorophenol	1500		24.4	170	ug/Kg
95-48-7	2-Methylphenol	1500		29.9	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1400		37.5	170	ug/Kg
98-86-2	Acetophenone	1400		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	80.0	ug/Kg
67-72-1	Hexachloroethane	1500		17.6	170	ug/Kg
98-95-3	Nitrobenzene	1600		18.3	170	ug/Kg
78-59-1	Isophorone	1500		32.8	170	ug/Kg
88-75-5	2-Nitrophenol	1600		58.2	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1500		64.8	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1500		30.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1500		28.3	170	ug/Kg
91-20-3	Naphthalene	1400		22.7	170	ug/Kg
106-47-8	4-Chloroaniline	620		35.4	170	ug/Kg
87-68-3	Hexachlorobutadiene	1500		25.3	170	ug/Kg
105-60-2	Caprolactam	1700		52.1	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1500		28.7	170	ug/Kg
91-57-6	2-Methylnaphthalene	1500		25.6	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3100	E	120	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1600		19.8	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1600		29.1	170	ug/Kg
92-52-4	1,1-Biphenyl	1400		21.8	170	ug/Kg
91-58-7	2-Chloronaphthalene	1400		22.5	170	ug/Kg
88-74-4	2-Nitroaniline	1600		48.1	170	ug/Kg
131-11-3	Dimethylphthalate	1500		27.1	170	ug/Kg

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Report of Analysis

Client:	PARSONS Engineering of New York, Inc.			Date Collected:	
Project:	Con Edison - East River Site 2			Date Received:	
Client Sample ID:	PB168854BS			SDG No.:	Q2592
Lab Sample ID:	PB168854BS			Matrix:	SOIL
Analytical Method:	8270E			% Solid:	100
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
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
BF143119.D	1	07/15/25 09:05	07/16/25 20:39	PB168854

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1500		28.9	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1600		33.6	170	ug/Kg
99-09-2	3-Nitroaniline	1100		46.0	170	ug/Kg
83-32-9	Acenaphthene	1500		21.3	170	ug/Kg
51-28-5	2,4-Dinitrophenol	3200	E	230	330	ug/Kg
100-02-7	4-Nitrophenol	3400	E	110	330	ug/Kg
132-64-9	Dibenzofuran	1500		22.7	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1700		50.1	170	ug/Kg
84-66-2	Diethylphthalate	1600		28.3	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1500		26.7	170	ug/Kg
86-73-7	Fluorene	1400		25.3	170	ug/Kg
100-01-6	4-Nitroaniline	1800		64.2	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1700		100	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1500		32.9	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1500		27.8	170	ug/Kg
118-74-1	Hexachlorobenzene	1500		25.3	170	ug/Kg
1912-24-9	Atrazine	1700		34.0	170	ug/Kg
87-86-5	Pentachlorophenol	3300	E	51.3	330	ug/Kg
85-01-8	Phenanthrene	1400		20.9	170	ug/Kg
120-12-7	Anthracene	1500		33.3	170	ug/Kg
86-74-8	Carbazole	1500		31.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	1700		47.9	170	ug/Kg
206-44-0	Fluoranthene	1500		30.0	170	ug/Kg
129-00-0	Pyrene	1500		36.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	1700		71.4	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	780		36.7	330	ug/Kg
56-55-3	Benzo(a)anthracene	1600		23.0	170	ug/Kg
218-01-9	Chrysene	1500		19.9	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1600		59.2	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1500		86.8	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1500		19.0	170	ug/Kg

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

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	
Project:	Con Edison - East River Site 2	Date Received:	
Client Sample ID:	PB168854BS	SDG No.:	Q2592
Lab Sample ID:	PB168854BS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BF143119.D	1	07/15/25 09:05	07/16/25 20:39	PB168854

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	1500		29.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1500		27.4	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1500		25.7	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1400		25.6	170	ug/Kg
123-91-1	1,4-Dioxane	1200		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	112		18 - 112	75%	SPK: 150
13127-88-3	Phenol-d6	114		15 - 107	76%	SPK: 150
4165-60-0	Nitrobenzene-d5	86.0		18 - 107	86%	SPK: 100
321-60-8	2-Fluorobiphenyl	72.4		20 - 109	72%	SPK: 100
118-79-6	2,4,6-Tribromophenol	140		10 - 116	94%	SPK: 150
1718-51-0	Terphenyl-d14	79.7		10 - 105	80%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	140000	6.969			
1146-65-2	Naphthalene-d8	539000	8.251			
15067-26-2	Acenaphthene-d10	273000	10.004			
1517-22-2	Phenanthrene-d10	456000	11.492			
1719-03-5	Chrysene-d12	241000	14.127			
1520-96-3	Perylene-d12	263000	15.633			

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

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

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Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	07/14/25
Project:	Con Edison - East River Site 2	Date Received:	07/14/25
Client Sample ID:	CHRT-26899MS	SDG No.:	Q2592
Lab Sample ID:	Q2597-01MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	98.6
Sample Wt/Vol:	50.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BP025191.D	1	07/15/25 09:05	07/18/25 13:52	PB168854

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	880		94.8	200	ug/Kg
108-95-2	Phenol	860		13.4	100	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	840		14.8	100	ug/Kg
95-57-8	2-Chlorophenol	910		14.8	100	ug/Kg
95-48-7	2-Methylphenol	930		18.2	100	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	800		22.8	100	ug/Kg
98-86-2	Acetophenone	800		17.9	100	ug/Kg
65794-96-9	3+4-Methylphenols	900		25.0	200	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	790		28.8	48.6	ug/Kg
67-72-1	Hexachloroethane	920		10.7	100	ug/Kg
98-95-3	Nitrobenzene	880		11.1	100	ug/Kg
78-59-1	Isophorone	900		19.9	100	ug/Kg
88-75-5	2-Nitrophenol	1000		35.4	100	ug/Kg
105-67-9	2,4-Dimethylphenol	1200		39.4	100	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	850		18.7	100	ug/Kg
120-83-2	2,4-Dichlorophenol	950		17.2	100	ug/Kg
91-20-3	Naphthalene	840		13.8	100	ug/Kg
106-47-8	4-Chloroaniline	440		21.5	100	ug/Kg
87-68-3	Hexachlorobutadiene	980		15.4	100	ug/Kg
105-60-2	Caprolactam	860		31.7	200	ug/Kg
59-50-7	4-Chloro-3-methylphenol	880		17.4	100	ug/Kg
91-57-6	2-Methylnaphthalene	770		15.6	100	ug/Kg
77-47-4	Hexachlorocyclopentadiene	2500	E	70.5	200	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1100		12.0	100	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1000		17.7	100	ug/Kg
92-52-4	1,1-Biphenyl	880		13.2	100	ug/Kg
91-58-7	2-Chloronaphthalene	910		13.7	100	ug/Kg
88-74-4	2-Nitroaniline	940		29.2	100	ug/Kg
131-11-3	Dimethylphthalate	850		16.5	100	ug/Kg

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Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	07/14/25
Project:	Con Edison - East River Site 2	Date Received:	07/14/25
Client Sample ID:	CHRT-26899MS	SDG No.:	Q2592
Lab Sample ID:	Q2597-01MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	98.6
Sample Wt/Vol:	50.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BP025191.D	1	07/15/25 09:05	07/18/25 13:52	PB168854

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	950		17.6	100	ug/Kg
606-20-2	2,6-Dinitrotoluene	1000		20.4	100	ug/Kg
99-09-2	3-Nitroaniline	810		28.0	100	ug/Kg
83-32-9	Acenaphthene	850		12.9	100	ug/Kg
51-28-5	2,4-Dinitrophenol	1100		140	200	ug/Kg
100-02-7	4-Nitrophenol	1800	E	65.0	200	ug/Kg
132-64-9	Dibenzofuran	810		13.8	100	ug/Kg
121-14-2	2,4-Dinitrotoluene	900		30.5	100	ug/Kg
84-66-2	Diethylphthalate	810		17.2	100	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	820		16.2	100	ug/Kg
86-73-7	Fluorene	790		15.4	100	ug/Kg
100-01-6	4-Nitroaniline	830		39.0	100	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	690		62.6	200	ug/Kg
86-30-6	n-Nitrosodiphenylamine	970		20.0	100	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1100		16.9	100	ug/Kg
118-74-1	Hexachlorobenzene	1000		15.4	100	ug/Kg
1912-24-9	Atrazine	1200		20.7	100	ug/Kg
87-86-5	Pentachlorophenol	2000	E	31.2	200	ug/Kg
85-01-8	Phenanthrene	880		12.7	100	ug/Kg
120-12-7	Anthracene	920		20.2	100	ug/Kg
86-74-8	Carbazole	870		19.0	100	ug/Kg
84-74-2	Di-n-butylphthalate	920		29.1	100	ug/Kg
206-44-0	Fluoranthene	910		18.2	100	ug/Kg
129-00-0	Pyrene	850		21.9	100	ug/Kg
85-68-7	Butylbenzylphthalate	930		43.4	100	ug/Kg
91-94-1	3,3-Dichlorobenzidine	560		22.3	200	ug/Kg
56-55-3	Benzo(a)anthracene	930		14.0	100	ug/Kg
218-01-9	Chrysene	930		12.1	100	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1100		36.0	100	ug/Kg
117-84-0	Di-n-octyl phthalate	1000		52.8	200	ug/Kg
205-99-2	Benzo(b)fluoranthene	930		11.5	100	ug/Kg

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Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	07/14/25
Project:	Con Edison - East River Site 2	Date Received:	07/14/25
Client Sample ID:	CHRT-26899MS	SDG No.:	Q2592
Lab Sample ID:	Q2597-01MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	98.6
Sample Wt/Vol:	50.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BP025191.D	1	07/15/25 09:05	07/18/25 13:52	PB168854

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	890		13.6	100	ug/Kg
50-32-8	Benzo(a)pyrene	1000		17.9	100	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1000		17.7	100	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	980		16.7	100	ug/Kg
191-24-2	Benzo(g,h,i)perylene	990		15.6	100	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	950		15.6	100	ug/Kg
123-91-1	1,4-Dioxane	680		27.5	100	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	950		16.7	100	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	81.7		18 - 112	54%	SPK: 150
13127-88-3	Phenol-d6	79.9		15 - 107	53%	SPK: 150
4165-60-0	Nitrobenzene-d5	60.7		18 - 107	61%	SPK: 100
321-60-8	2-Fluorobiphenyl	62.3		20 - 109	62%	SPK: 100
118-79-6	2,4,6-Tribromophenol	106		10 - 116	71%	SPK: 150
1718-51-0	Terphenyl-d14	63.9		10 - 105	64%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	725000	7.437			
1146-65-2	Naphthalene-d8	2870000	10.184			
15067-26-2	Acenaphthene-d10	1760000	14.101			
1517-22-2	Phenanthrene-d10	3030000	16.919			
1719-03-5	Chrysene-d12	3380000	21.36			
1520-96-3	Perylene-d12	4110000	24.512			

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

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

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Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	07/14/25
Project:	Con Edison - East River Site 2	Date Received:	07/14/25
Client Sample ID:	CHRT-26899MSD	SDG No.:	Q2592
Lab Sample ID:	Q2597-01MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	98.6
Sample Wt/Vol:	50.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BP025192.D	1	07/15/25 09:05	07/18/25 14:33	PB168854

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	870		94.8	200	ug/Kg
108-95-2	Phenol	870		13.4	100	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	840		14.8	100	ug/Kg
95-57-8	2-Chlorophenol	930		14.8	100	ug/Kg
95-48-7	2-Methylphenol	930		18.2	100	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	800		22.8	100	ug/Kg
98-86-2	Acetophenone	800		17.9	100	ug/Kg
65794-96-9	3+4-Methylphenols	900		25.0	200	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	790		28.8	48.6	ug/Kg
67-72-1	Hexachloroethane	920		10.7	100	ug/Kg
98-95-3	Nitrobenzene	860		11.1	100	ug/Kg
78-59-1	Isophorone	890		19.9	100	ug/Kg
88-75-5	2-Nitrophenol	1000		35.4	100	ug/Kg
105-67-9	2,4-Dimethylphenol	1200		39.4	100	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	840		18.7	100	ug/Kg
120-83-2	2,4-Dichlorophenol	960		17.2	100	ug/Kg
91-20-3	Naphthalene	840		13.8	100	ug/Kg
106-47-8	4-Chloroaniline	460		21.5	100	ug/Kg
87-68-3	Hexachlorobutadiene	980		15.4	100	ug/Kg
105-60-2	Caprolactam	850		31.7	200	ug/Kg
59-50-7	4-Chloro-3-methylphenol	880		17.4	100	ug/Kg
91-57-6	2-Methylnaphthalene	760		15.6	100	ug/Kg
77-47-4	Hexachlorocyclopentadiene	2300	E	70.5	200	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1100		12.0	100	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1000		17.7	100	ug/Kg
92-52-4	1,1-Biphenyl	860		13.2	100	ug/Kg
91-58-7	2-Chloronaphthalene	900		13.7	100	ug/Kg
88-74-4	2-Nitroaniline	940		29.2	100	ug/Kg
131-11-3	Dimethylphthalate	830		16.5	100	ug/Kg

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Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	07/14/25
Project:	Con Edison - East River Site 2	Date Received:	07/14/25
Client Sample ID:	CHRT-26899MSD	SDG No.:	Q2592
Lab Sample ID:	Q2597-01MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	98.6
Sample Wt/Vol:	50.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BP025192.D	1	07/15/25 09:05	07/18/25 14:33	PB168854

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	940		17.6	100	ug/Kg
606-20-2	2,6-Dinitrotoluene	1000		20.4	100	ug/Kg
99-09-2	3-Nitroaniline	800		27.9	100	ug/Kg
83-32-9	Acenaphthene	820		12.9	100	ug/Kg
51-28-5	2,4-Dinitrophenol	1100		140	200	ug/Kg
100-02-7	4-Nitrophenol	1800	E	65.0	200	ug/Kg
132-64-9	Dibenzofuran	790		13.8	100	ug/Kg
121-14-2	2,4-Dinitrotoluene	900		30.4	100	ug/Kg
84-66-2	Diethylphthalate	800		17.2	100	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	810		16.2	100	ug/Kg
86-73-7	Fluorene	790		15.4	100	ug/Kg
100-01-6	4-Nitroaniline	820		39.0	100	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	670		62.6	200	ug/Kg
86-30-6	n-Nitrosodiphenylamine	950		20.0	100	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1100		16.9	100	ug/Kg
118-74-1	Hexachlorobenzene	1000		15.4	100	ug/Kg
1912-24-9	Atrazine	1200		20.7	100	ug/Kg
87-86-5	Pentachlorophenol	2000	E	31.2	200	ug/Kg
85-01-8	Phenanthrene	850		12.7	100	ug/Kg
120-12-7	Anthracene	910		20.2	100	ug/Kg
86-74-8	Carbazole	860		19.0	100	ug/Kg
84-74-2	Di-n-butylphthalate	890		29.1	100	ug/Kg
206-44-0	Fluoranthene	890		18.2	100	ug/Kg
129-00-0	Pyrene	860		21.9	100	ug/Kg
85-68-7	Butylbenzylphthalate	920		43.4	100	ug/Kg
91-94-1	3,3-Dichlorobenzidine	600		22.3	200	ug/Kg
56-55-3	Benzo(a)anthracene	930		14.0	100	ug/Kg
218-01-9	Chrysene	930		12.1	100	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1100		36.0	100	ug/Kg
117-84-0	Di-n-octyl phthalate	1000		52.7	200	ug/Kg
205-99-2	Benzo(b)fluoranthene	960		11.5	100	ug/Kg

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Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	07/14/25
Project:	Con Edison - East River Site 2	Date Received:	07/14/25
Client Sample ID:	CHRT-26899MSD	SDG No.:	Q2592
Lab Sample ID:	Q2597-01MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	98.6
Sample Wt/Vol:	50.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BP025192.D	1	07/15/25 09:05	07/18/25 14:33	PB168854

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	850		13.6	100	ug/Kg
50-32-8	Benzo(a)pyrene	1000		17.9	100	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1000		17.7	100	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	970		16.6	100	ug/Kg
191-24-2	Benzo(g,h,i)perylene	980		15.6	100	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	940		15.6	100	ug/Kg
123-91-1	1,4-Dioxane	670		27.5	100	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	940		16.6	100	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	82.8		18 - 112	55%	SPK: 150
13127-88-3	Phenol-d6	80.9		15 - 107	54%	SPK: 150
4165-60-0	Nitrobenzene-d5	59.8		18 - 107	60%	SPK: 100
321-60-8	2-Fluorobiphenyl	60.6		20 - 109	61%	SPK: 100
118-79-6	2,4,6-Tribromophenol	105		10 - 116	70%	SPK: 150
1718-51-0	Terphenyl-d14	62.7		10 - 105	63%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	718000	7.443			
1146-65-2	Naphthalene-d8	2880000	10.19			
15067-26-2	Acenaphthene-d10	1760000	14.095			
1517-22-2	Phenanthrene-d10	3050000	16.919			
1719-03-5	Chrysene-d12	3400000	21.36			
1520-96-3	Perylene-d12	4140000	24.524			

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

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

CALIBRATION SUMMARY

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF071525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Jul 15 17:53:25 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF143093.D 5 =BF143094.D 10 =BF143095.D 20 =BF143096.D 40 =BF143097.D 50 =BF143098.D 60 =BF143099.D 80 =BF143100.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.637	0.635	0.640	0.627	0.661	0.626	0.586	0.630	3.58
3)		Pyridine		1.606	1.541	1.616	1.594	1.681	1.612	1.519	1.596	3.33
4)		n-Nitrosodimet...			0.788	0.825	0.816	0.879	0.840	0.812	0.827	3.70
5)	S	2-Fluorophenol		1.334	1.272	1.315	1.255	1.305	1.232	1.148	1.266	4.98
6)		Aniline		2.330	2.254	2.280	2.205	2.351	2.196	2.069	2.241	4.26
7)	S	Phenol-d6		1.685	1.616	1.640	1.565	1.643	1.547	1.441	1.591	5.11
8)		2-Chlorophenol		1.239	1.208	1.321	1.273	1.363	1.286	1.212	1.272	4.51
9)		Benzaldehyde			1.196	1.149	1.451	1.452	1.163	0.864	1.212	18.15
10)	C	Phenol		1.766	1.742	1.782	1.709	1.780	1.694	1.584	1.723	4.07
11)		bis(2-Chloroet...		1.425	1.363	1.366	1.309	1.371	1.291	1.209	1.334	5.26
12)		1,3-Dichlorobe...		1.547	1.482	1.470	1.414	1.471	1.388	1.286	1.437	5.83
13)	C	1,4-Dichlorobe...		1.570	1.473	1.504	1.412	1.482	1.386	1.292	1.446	6.27
14)		1,2-Dichlorobe...		1.468	1.409	1.430	1.364	1.417	1.321	1.241	1.379	5.57
15)		Benzyl Alcohol			1.126	1.204	1.167	1.255	1.189	1.132	1.179	4.09
16)		2,2'-oxybis(1-...		2.713	2.532	2.528	2.405	2.517	2.342	2.171	2.458	6.99
17)		2-Methylphenol		1.132	1.081	1.124	1.083	1.150	1.077	1.035	1.098	3.63
18)		Hexachloroethane		0.465	0.440	0.486	0.472	0.500	0.476	0.455	0.471	4.22
19)	P	n-Nitroso-di-n...	0.956	1.029	0.988	1.002	0.964	1.017	0.945	0.897	0.975	4.44
20)		3+4-Methylphenols			1.399	1.419	1.356	1.421	1.293	1.189	1.346	6.74
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.538	0.516	0.500	0.469	0.482	0.451	0.419	0.482	8.33
23)	S	Nitrobenzene-d5		0.283	0.319	0.363	0.372	0.399	0.390	0.370	0.357	11.59
24)		Nitrobenzene		0.282	0.317	0.357	0.356	0.385	0.366	0.347	0.344	9.94
25)		Isophorone		0.705	0.688	0.697	0.678	0.718	0.687	0.651	0.689	3.11
26)	C	2-Nitrophenol		0.063	0.075	0.106	0.120	0.141	0.146	0.147	0.114	29.95
27)		2,4-Dimethylph...		0.325	0.322	0.326	0.320	0.332	0.315	0.299	0.320	3.38
28)		bis(2-Chloroet...		0.444	0.434	0.435	0.409	0.424	0.404	0.375	0.418	5.63
29)	C	2,4-Dichloroph...		0.237	0.254	0.267	0.267	0.280	0.271	0.254	0.262	5.43
30)		1,2,4-Trichlor...		0.316	0.305	0.307	0.295	0.303	0.287	0.267	0.297	5.40
31)		Naphthalene		1.099	1.048	1.037	0.966	0.987	0.937	0.878	0.993	7.52
32)		Benzoic acid			0.080	0.111	0.144	0.159	0.171	0.172	0.139	26.27
33)		4-Chloroaniline		0.420	0.420	0.414	0.398	0.409	0.381	0.353	0.399	6.12
34)	C	Hexachlorobuta...		0.185	0.176	0.183	0.177	0.182	0.176	0.163	0.178	4.10
35)		Caprolactam			0.073	0.078	0.083	0.087	0.086	0.083	0.082	6.36
36)	C	4-Chloro-3-met...		0.285	0.290	0.296	0.293	0.307	0.293	0.277	0.291	3.26
37)		2-Methylnaphth...		0.644	0.626	0.615	0.580	0.597	0.562	0.524	0.592	6.91
38)		1-Methylnaphth...		0.678	0.660	0.631	0.603	0.615	0.578	0.537	0.615	7.81

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF071525.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.616	0.600	0.602	0.578	0.601	0.561	0.522	0.583	5.56
41)	P	Hexachlorocycl...		0.254	0.306	0.323	0.356	0.356	0.344	0.323	12.16
42)	S	2,4,6-Tribromo...	0.136	0.157	0.181	0.188	0.204	0.194	0.188	0.178	13.23
43)	C	2,4,6-Trichlor...	0.300	0.312	0.377	0.376	0.400	0.393	0.377	0.362	10.94
44)		2,4,5-Trichlor...	0.336	0.367	0.390	0.393	0.418	0.377	0.378	0.380	6.62
45)	S	2-Fluorobiphenyl	1.777	1.645	1.602	1.456	1.460	1.355	1.238	1.505	12.18
46)		1,1'-Biphenyl	1.750	1.687	1.671	1.567	1.610	1.496	1.384	1.595	7.84
47)		2-Chloronaphth...	1.271	1.203	1.206	1.159	1.195	1.120	1.048	1.172	6.10
48)		2-Nitroaniline	0.180	0.224	0.296	0.328	0.372	0.363	0.355	0.303	24.51
49)		Acenaphthylene	2.060	2.011	2.034	1.959	1.989	1.867	1.746	1.952	5.65
50)		Dimethylphthalate	1.310	1.259	1.292	1.257	1.302	1.219	1.169	1.258	4.01
51)		2,6-Dinitrotol...	0.133	0.176	0.222	0.234	0.262	0.262	0.247	0.219	22.07
52)	C	Acenaphthene	1.273	1.204	1.173	1.127	1.168	1.088	1.032	1.152	6.85
53)		3-Nitroaniline	0.180	0.227	0.283	0.288	0.318	0.313	0.295	0.272	18.56
54)	P	2,4-Dinitrophenol		0.038	0.056	0.069	0.086	0.090	0.097	0.073	31.18
55)		Dibenzofuran	1.895	1.795	1.785	1.697	1.729	1.604	1.516	1.717	7.37
56)	P	4-Nitrophenol		0.164	0.201	0.224	0.239	0.237	0.232	0.216	13.37
57)		2,4-Dinitrotol...	0.147	0.197	0.253	0.295	0.326	0.319	0.320	0.265	26.25
58)		Fluorene	1.478	1.387	1.328	1.246	1.284	1.186	1.105	1.288	9.67
59)		2,3,4,6-Tetrac...	0.253	0.274	0.302	0.312	0.339	0.323	0.309	0.302	9.71
60)		Diethylphthalate	1.221	1.217	1.257	1.225	1.260	1.187	1.130	1.214	3.68
61)		4-Chlorophenyl...	0.666	0.642	0.631	0.614	0.625	0.586	0.555	0.617	5.92
62)		4-Nitroaniline	0.169	0.208	0.237	0.249	0.270	0.263	0.259	0.236	15.25
63)		Azobenzene	1.425	1.399	1.375	1.328	1.381	1.282	1.208	1.343	5.65
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.035	0.053	0.064	0.079	0.084	0.086	0.067	30.46
66)	c	n-Nitrosodiphe...	0.735	0.709	0.736	0.682	0.717	0.685	0.654	0.703	4.30
67)		4-Bromophenyl-...	0.231	0.219	0.234	0.222	0.239	0.228	0.219	0.227	3.38
68)		Hexachlorobenzene	0.249	0.237	0.247	0.235	0.250	0.239	0.231	0.241	3.12
69)		Atrazine	0.158	0.171	0.184	0.181	0.195	0.185	0.184	0.180	6.72
70)	C	Pentachlorophenol		0.098	0.125	0.132	0.149	0.145	0.145	0.132	14.47
71)		Phenanthrene	1.190	1.136	1.111	1.042	1.089	1.021	0.968	1.079	6.95
72)		Anthracene	1.158	1.126	1.126	1.057	1.106	1.042	0.983	1.085	5.62
73)		Carbazole	1.038	1.026	1.008	0.938	0.998	0.927	0.873	0.972	6.27
74)		Di-n-butylphth...	0.746	0.846	0.913	0.921	0.983	0.942	0.897	0.893	8.62
75)	C	Fluoranthene	1.044	1.053	1.009	0.960	0.998	0.938	0.869	0.981	6.59
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.664	0.786	0.834	0.674	0.616	0.514	0.681	17.02
78)		Pyrene	2.018	1.956	1.955	1.842	1.918	1.716	1.585	1.856	8.33
79)	S	Terphenyl-d14	1.563	1.471	1.437	1.343	1.385	1.246	1.133	1.368	10.53
80)		Butylbenzylpht...	0.179	0.233	0.310	0.343	0.385	0.395	0.384	0.318	26.22
81)		Benzo(a)anthra...	1.296	1.304	1.406	1.347	1.403	1.326	1.247	1.333	4.34
82)		3,3'-Dichlorob...		0.314	0.406	0.385	0.428	0.411	0.377	0.387	10.35
83)		Chrysene	1.286	1.234	1.211	1.201	1.270	1.228	1.162	1.227	3.41
84)		Bis(2-ethylhex...	0.273	0.343	0.479	0.515	0.578	0.591	0.583	0.480	26.25
85)	c	Di-n-octyl pht...		0.474	0.811	0.922	1.073	1.115	1.167	0.927	27.83

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF071525.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.345	1.411	1.526	1.521	1.620	1.519	1.470	1.488	5.98
88)		Benzo(b)fluora...	1.063	1.191	1.171	1.082	1.297	1.185	1.087	1.154	7.17
89)		Benzo(k)fluora...	1.175	1.066	1.111	1.148	1.088	1.060	1.056	1.101	4.23
90)	C	Benzo(a)pyrene	0.989	1.019	1.108	1.124	1.196	1.124	1.078	1.091	6.41
91)		Dibenzo(a,h)an...	1.114	1.162	1.266	1.240	1.330	1.222	1.178	1.216	5.90
92)		Benzo(g,h,i)pe...	1.148	1.187	1.263	1.258	1.349	1.260	1.214	1.240	5.20

(#) = Out of Range

Response Factor Report MSBNA_P

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP070325.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Jul 03 16:05:44 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BP025071.D 5 =BP025072.D 10 =BP025073.D 20 =BP025074.D 40 =BP025075.D 50 =BP025076.D 60 =BP025077.D 80 =BP0250
78.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.470	0.452	0.457	0.435	0.420	0.428	0.409	0.439	4.99
3)		Pyridine		1.176	1.153	1.243	1.228	1.171	1.239	1.203	1.202	3.00
4)		n-Nitrosodimet...			0.500	0.531	0.506	0.493	0.522	0.500	0.509	2.85
5)	S	2-Fluorophenol		1.070	1.098	1.179	1.134	1.127	1.168	1.127	1.129	3.33
6)		Aniline		1.334	1.324	1.430	1.388	1.371	1.428	1.359	1.376	3.05
7)	S	Phenol-d6		1.428	1.407	1.520	1.458	1.472	1.543	1.482	1.473	3.26
8)		2-Chlorophenol		1.254	1.207	1.320	1.256	1.250	1.294	1.259	1.263	2.83
9)		Benzaldehyde			0.903	0.894	0.724	0.684	0.641		0.769	15.84
10)	C	Phenol		1.473	1.461	1.551	1.472	1.485	1.540	1.493	1.497	2.36
11)		bis(2-Chloroet...		1.187	1.139	1.200	1.122	1.129	1.172	1.115	1.152	2.95
12)		1,3-Dichlorobe...		1.461	1.434	1.485	1.379	1.366	1.413	1.356	1.413	3.48
13)	C	1,4-Dichlorobe...		1.500	1.432	1.505	1.399	1.384	1.424	1.374	1.431	3.70
14)		1,2-Dichlorobe...		1.454	1.388	1.445	1.349	1.329	1.368	1.303	1.377	4.12
15)		Benzyl Alcohol			0.887	0.991	0.957	0.990	1.058	1.015	0.983	5.86
16)		2,2'-oxybis(1-...		1.587	1.520	1.570	1.433	1.462	1.497	1.415	1.498	4.40
17)		2-Methylphenol		0.887	0.908	1.007	0.969	0.974	1.021	0.983	0.964	5.11
18)		Hexachloroethane		0.476	0.441	0.480	0.460	0.463	0.481	0.462	0.466	3.04
19)	P	n-Nitroso-di-n...	0.815	0.862	0.854	0.938	0.865	0.871	0.912	0.872	0.874	4.26
20)		3+4-Methylphenols			1.246	1.383	1.334	1.341	1.428	1.370	1.350	4.55
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.480	0.481	0.502	0.465	0.456	0.480	0.447	0.473	3.88
23)	S	Nitrobenzene-d5		0.267	0.277	0.314	0.307	0.308	0.323	0.308	0.301	6.84
24)		Nitrobenzene		0.280	0.293	0.319	0.310	0.307	0.327	0.308	0.306	5.13
25)		Isophorone		0.525	0.534	0.587	0.558	0.571	0.597	0.561	0.562	4.67
26)	C	2-Nitrophenol		0.086	0.093	0.117	0.133	0.146	0.160	0.159	0.128	23.51
27)		2,4-Dimethylph...		0.199	0.195	0.218	0.208	0.213	0.224	0.210	0.210	4.79
28)		bis(2-Chloroet...		0.378	0.371	0.401	0.374	0.379	0.397	0.371	0.382	3.25
29)	C	2,4-Dichloroph...		0.242	0.263	0.298	0.299	0.304	0.321	0.306	0.291	9.48
30)		1,2,4-Trichlor...		0.319	0.319	0.331	0.319	0.316	0.335	0.314	0.322	2.53
31)		Naphthalene		1.057	1.030	1.081	1.011	1.005	1.049	0.975	1.030	3.47
32)		Benzoic acid			0.115	0.152	0.186	0.199	0.225	0.231	0.185	24.07
33)		4-Chloroaniline		0.358	0.370	0.399	0.390	0.381	0.411	0.381	0.384	4.58
34)	C	Hexachlorobuta...		0.187	0.180	0.188	0.182	0.184	0.191	0.180	0.185	2.31
35)		Caprolactam			0.087	0.101	0.101	0.098	0.108	0.102	0.099	7.23
36)	C	4-Chloro-3-met...		0.259	0.279	0.321	0.309	0.309	0.332	0.316	0.304	8.35
37)		2-Methylnaphth...		0.724	0.711	0.766	0.718	0.715	0.747	0.706	0.727	2.99
38)		1-Methylnaphth...		0.707	0.704	0.753	0.692	0.691	0.736	0.678	0.709	3.74

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP070325.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.554	0.549	0.584	0.580	0.578	0.610	0.568	0.575	3.56
41)	P	Hexachlorocycl...		0.120	0.135	0.149	0.162	0.171	0.164	0.150	13.13
42)	S	2,4,6-Tribromo...	0.194	0.214	0.240	0.246	0.244	0.266	0.249	0.236	10.22
43)	C	2,4,6-Trichlor...	0.271	0.295	0.355	0.370	0.368	0.399	0.379	0.348	13.51
44)		2,4,5-Trichlor...	0.326	0.349	0.406	0.411	0.412	0.441	0.416	0.394	10.41
45)	S	2-Fluorobiphenyl	1.338	1.310	1.361	1.279	1.260	1.311	1.177	1.291	4.70
46)		1,1'-Biphenyl	1.482	1.436	1.510	1.454	1.435	1.490	1.380	1.455	2.99
47)		2-Chloronaphth...	1.097	1.089	1.141	1.091	1.069	1.121	1.048	1.094	2.83
48)		2-Nitroaniline	0.157	0.185	0.235	0.259	0.259	0.289	0.273	0.237	20.49
49)		Acenaphthylene	1.582	1.622	1.771	1.701	1.660	1.761	1.620	1.674	4.36
50)		Dimethylphthalate	1.364	1.376	1.469	1.408	1.365	1.482	1.337	1.400	3.99
51)		2,6-Dinitrotol...	0.199	0.238	0.281	0.295	0.291	0.313	0.294	0.273	14.58
52)	C	Acenaphthene	1.085	1.074	1.142	1.066	1.047	1.111	1.027	1.079	3.59
53)		3-Nitroaniline	0.204	0.248	0.297	0.321	0.310	0.345	0.323	0.293	16.81
54)	P	2,4-Dinitrophenol		0.077	0.098	0.117	0.120	0.137	0.137	0.114	20.49
55)		Dibenzofuran	1.829	1.814	1.866	1.768	1.720	1.813	1.655	1.781	4.07
56)	P	4-Nitrophenol		0.212	0.260	0.285	0.274	0.301	0.289	0.270	11.73
57)		2,4-Dinitrotol...	0.231	0.285	0.364	0.392	0.387	0.430	0.406	0.356	20.13
58)		Fluorene	1.382	1.384	1.467	1.393	1.335	1.403	1.278	1.377	4.27
59)		2,3,4,6-Tetrac...	0.305	0.318	0.370	0.370	0.363	0.397	0.377	0.357	9.32
60)		Diethylphthalate	1.368	1.376	1.468	1.429	1.366	1.477	1.358	1.406	3.64
61)		4-Chlorophenyl...	0.711	0.687	0.710	0.679	0.659	0.700	0.626	0.682	4.47
62)		4-Nitroaniline	0.221	0.267	0.321	0.342	0.319	0.354	0.324	0.307	15.26
63)		Azobenzene	1.251	1.275	1.328	1.265	1.211	1.265	1.171	1.252	3.98
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.054	0.069	0.081	0.089	0.097	0.098	0.082	21.25
66)	c	n-Nitrosodiphe...	0.557	0.548	0.597	0.573	0.574	0.592	0.565	0.572	3.11
67)		4-Bromophenyl-...	0.191	0.190	0.213	0.205	0.208	0.214	0.213	0.205	5.14
68)		Hexachlorobenzene	0.255	0.240	0.255	0.247	0.248	0.257	0.249	0.250	2.28
69)		Atrazine	0.155	0.167	0.183	0.172	0.171	0.172	0.154	0.168	6.10
70)	C	Pentachlorophenol		0.131	0.163	0.172	0.178	0.186	0.184	0.169	12.03
71)		Phenanthrene	1.102	1.084	1.104	1.068	1.030	1.082	1.011	1.069	3.34
72)		Anthracene	0.998	0.996	1.092	1.036	1.021	1.062	0.971	1.025	4.10
73)		Carbazole	0.954	0.994	1.057	1.029	0.990	1.017	0.976	1.002	3.45
74)		Di-n-butylphth...	0.929	0.994	1.147	1.187	1.177	1.228	1.152	1.116	9.89
75)	C	Fluoranthene	1.170	1.222	1.330	1.290	1.249	1.268	1.215	1.249	4.22
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.177	0.354	0.571	0.420	0.288	0.310	0.353	37.82
78)		Pyrene	1.177	1.184	1.288	1.231	1.251	1.302	1.238	1.239	3.81
79)	S	Terphenyl-d14	0.943	0.919	0.978	0.914	0.915	0.936	0.764	0.910	7.50
80)		Butylbenzylpht...	0.228	0.276	0.377	0.440	0.471	0.519	0.499	0.402	28.01
81)		Benzo(a)anthra...	1.146	1.175	1.293	1.217	1.207	1.258	1.189	1.212	4.11
82)		3,3'-Dichlorob...		0.249	0.340	0.390	0.399	0.414	0.397	0.365	16.97
83)		Chrysene	1.169	1.147	1.223	1.159	1.157	1.191	1.118	1.166	2.88
84)		Bis(2-ethylhex...	0.460	0.520	0.646	0.703	0.737	0.764	0.720	0.650	17.89
85)	c	Di-n-octyl pht...		0.609	0.876	1.094	1.206	1.292	1.248	1.054	25.04

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP070325.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.003	1.101	1.318	1.331	1.366	1.433	1.366	1.274	12.44
88)		Benzo(b)fluora...	1.029	1.063	1.215	1.201	1.188	1.266	1.187	1.164	7.36
89)		Benzo(k)fluora...	1.070	1.129	1.249	1.153	1.157	1.218	1.133	1.158	5.11
90)	C	Benzo(a)pyrene	0.817	0.868	1.035	1.033	1.035	1.108	1.040	0.991	10.70
91)		Dibenzo(a,h)an...	0.840	0.921	1.098	1.097	1.126	1.172	1.118	1.053	11.66
92)		Benzo(g,h,i)pe...	0.915	0.967	1.126	1.127	1.142	1.197	1.142	1.088	9.58

(#) = Out of Range

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: PARS02

Lab Code: ACE SDG No.: Q2592

Instrument ID: BNA_F Calibration Date/Time: 07/16/2025 19:39

Lab File ID: BF143117.D Init. Calib. Date(s): 07/15/2025 07/15/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 13:04 16:35

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.266	1.249		-1.3	
Benzaldehyde	1.212	1.240		2.3	
Phenol-d6	1.591	1.563		-1.8	
Phenol	1.723	1.816		5.4	20.0
bis(2-Chloroethyl)ether	1.334	1.298		-2.7	
2-Chlorophenol	1.272	1.316		3.5	
2-Methylphenol	1.098	1.094		-0.4	
2,2-oxybis(1-Chloropropane)	2.458	2.389		-2.8	
Acetophenone	0.482	0.467		-3.1	
3+4-Methylphenols	1.346	1.368		1.6	
n-Nitroso-di-n-propylamine	0.975	0.965	0.050	-1.0	
Nitrobenzene-d5	0.357	0.402		12.6	
Hexachloroethane	0.471	0.486		3.2	
Nitrobenzene	0.344	0.369		7.3	
Isophorone	0.689	0.675		-2.0	
2-Nitrophenol	0.114	0.145		27.2	20.0
2,4-Dimethylphenol	0.320	0.320		0.0	
bis(2-Chloroethoxy)methane	0.418	0.412		-1.4	
2,4-Dichlorophenol	0.262	0.269		2.7	20.0
Naphthalene	0.993	0.972		-2.1	
4-Chloroaniline	0.399	0.393		-1.5	
Hexachlorobutadiene	0.178	0.178		0.0	20.0
Caprolactam	0.082	0.084		2.4	
4-Chloro-3-methylphenol	0.291	0.293		0.7	20.0
2-Methylnaphthalene	0.592	0.578		-2.4	
Hexachlorocyclopentadiene	0.323	0.341	0.050	5.6	
2,4,6-Trichlorophenol	0.362	0.386		6.6	20.0
2-Fluorobiphenyl	1.505	1.421		-5.6	
2,4,5-Trichlorophenol	0.380	0.387		1.8	
1,1-Biphenyl	1.595	1.534		-3.8	
2-Chloronaphthalene	1.172	1.129		-3.7	
2-Nitroaniline	0.303	0.352		16.2	
Dimethylphthalate	1.258	1.236		-1.7	
Acenaphthylene	1.952	1.912		-2.0	
2,6-Dinitrotoluene	0.219	0.258		17.8	
3-Nitroaniline	0.272	0.299		9.9	
Acenaphthene	1.152	1.115		-3.2	20.0
2,4-Dinitrophenol	0.073	0.082	0.050	12.3	
4-Nitrophenol	0.216	0.230	0.050	6.5	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: PARS02

Lab Code: ACE SDG No.: Q2592

Instrument ID: BNA_F Calibration Date/Time: 07/16/2025 19:39

Lab File ID: BF143117.D Init. Calib. Date(s): 07/15/2025 07/15/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 13:04 16:35

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.717	1.649		-4.0	
2,4-Dinitrotoluene	0.265	0.307		15.8	
Diethylphthalate	1.214	1.211		-0.2	
4-Chlorophenyl-phenylether	0.617	0.603		-2.3	
Fluorene	1.288	1.219		-5.4	
4-Nitroaniline	0.236	0.255		8.1	
4,6-Dinitro-2-methylphenol	0.067	0.078		16.4	
n-Nitrosodiphenylamine	0.703	0.687		-2.3	20.0
2,4,6-Tribromophenol	0.178	0.191		7.3	
4-Bromophenyl-phenylether	0.227	0.227		0.0	
Hexachlorobenzene	0.241	0.241		0.0	
Atrazine	0.180	0.183		1.7	
Pentachlorophenol	0.132	0.144		9.1	20.0
Phenanthrene	1.079	1.046		-3.1	
Anthracene	1.085	1.063		-2.0	
Carbazole	0.972	0.934		-3.9	
Di-n-butylphthalate	0.893	0.937		4.9	
Fluoranthene	0.981	0.947		-3.5	20.0
Pyrene	1.856	1.773		-4.5	
Terphenyl-d14	1.368	1.302		-4.8	
Butylbenzylphthalate	0.318	0.365		14.8	
3,3-Dichlorobenzidine	0.387	0.391		1.0	
Benzo(a)anthracene	1.333	1.354		1.6	
Chrysene	1.227	1.156		-5.8	
Bis(2-ethylhexyl)phthalate	0.480	0.572		19.2	
Di-n-octyl phthalate	0.927	1.043		12.5	20.0
Benzo(b)fluoranthene	1.154	1.136		-1.6	
Benzo(k)fluoranthene	1.101	1.092		-0.8	
Benzo(a)pyrene	1.091	1.116		2.3	20.0
Indeno(1,2,3-cd)pyrene	1.488	1.529		2.8	
Dibenzo(a,h)anthracene	1.216	1.243		2.2	
Benzo(g,h,i)perylene	1.240	1.256		1.3	
1,2,4,5-Tetrachlorobenzene	0.583	0.567		-2.7	
1,4-Dioxane	0.630	0.628		-0.3	20.0
2,3,4,6-Tetrachlorophenol	0.302	0.324		7.3	

All other compounds must meet a minimum RRF of 0.010.

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: PARS02

Lab Code: ACE SDG No.: Q2592

Instrument ID: BNA_P Calibration Date/Time: 07/16/2025 12:42

Lab File ID: BP025155.D Init. Calib. Date(s): 07/03/2025 07/03/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:39 14:31

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.129	1.127		-0.2	
Benzaldehyde	0.769	0.625		-18.7	
Phenol-d6	1.473	1.456		-1.2	
Phenol	1.497	1.451		-3.1	20.0
bis(2-Chloroethyl)ether	1.152	1.106		-4.0	
2-Chlorophenol	1.263	1.281		1.4	
2-Methylphenol	0.964	0.980		1.7	
2,2-oxybis(1-Chloropropane)	1.498	1.353		-9.7	
Acetophenone	0.473	0.462		-2.3	
3+4-Methylphenols	1.350	1.353		0.2	
n-Nitroso-di-n-propylamine	0.874	0.858	0.050	-1.8	
Nitrobenzene-d5	0.301	0.315		4.7	
Hexachloroethane	0.466	0.474		1.7	
Nitrobenzene	0.306	0.312		2.0	
Isophorone	0.562	0.566		0.7	
2-Nitrophenol	0.128	0.181		41.4	20.0
2,4-Dimethylphenol	0.210	0.215		2.4	
bis(2-Chloroethoxy)methane	0.382	0.379		-0.8	
2,4-Dichlorophenol	0.291	0.318		9.3	20.0
Naphthalene	1.030	1.012		-1.7	
4-Chloroaniline	0.384	0.391		1.8	
Hexachlorobutadiene	0.185	0.194		4.9	20.0
Caprolactam	0.099	0.105		6.1	
4-Chloro-3-methylphenol	0.304	0.323		6.3	20.0
2-Methylnaphthalene	0.727	0.726		-0.1	
Hexachlorocyclopentadiene	0.150	0.183	0.050	22.0	
2,4,6-Trichlorophenol	0.348	0.402		15.5	20.0
2-Fluorobiphenyl	1.291	1.243		-3.7	
2,4,5-Trichlorophenol	0.394	0.436		10.7	
1,1-Biphenyl	1.455	1.427		-1.9	
2-Chloronaphthalene	1.094	1.096		0.2	
2-Nitroaniline	0.237	0.281		18.6	
Dimethylphthalate	1.400	1.424		1.7	
Acenaphthylene	1.674	1.681		0.4	
2,6-Dinitrotoluene	0.273	0.307		12.5	
3-Nitroaniline	0.293	0.331		13.0	
Acenaphthene	1.079	1.056		-2.1	20.0
2,4-Dinitrophenol	0.114	0.172	0.050	50.9	
4-Nitrophenol	0.270	0.298	0.050	10.4	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: PARS02

Lab Code: ACE SDG No.: Q2592

Instrument ID: BNA_P Calibration Date/Time: 07/16/2025 12:42

Lab File ID: BP025155.D Init. Calib. Date(s): 07/03/2025 07/03/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:39 14:31

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.781	1.741		-2.2	
2,4-Dinitrotoluene	0.356	0.420		18.0	
Diethylphthalate	1.406	1.422		1.1	
4-Chlorophenyl-phenylether	0.682	0.683		0.1	
Fluorene	1.377	1.344		-2.4	
4-Nitroaniline	0.307	0.349		13.7	
4,6-Dinitro-2-methylphenol	0.082	0.120		46.3	
n-Nitrosodiphenylamine	0.572	0.589		3.0	20.0
2,4,6-Tribromophenol	0.236	0.289		22.5	
4-Bromophenyl-phenylether	0.205	0.226		10.2	
Hexachlorobenzene	0.250	0.266		6.4	
Atrazine	0.168	0.189		12.5	
Pentachlorophenol	0.169	0.198		17.2	20.0
Phenanthrene	1.069	1.030		-3.6	
Anthracene	1.025	1.026		0.1	
Carbazole	1.002	0.998		-0.4	
Di-n-butylphthalate	1.116	1.239		11.0	
Fluoranthene	1.249	1.254		0.4	20.0
Pyrene	1.239	1.265		2.1	
Terphenyl-d14	0.910	0.912		0.2	
Butylbenzylphthalate	0.402	0.541		34.6	
3,3-Dichlorobenzidine	0.365	0.456		24.9	
Benzo(a)anthracene	1.212	1.209		-0.2	
Chrysene	1.166	1.138		-2.4	
Bis(2-ethylhexyl)phthalate	0.650	0.792		21.8	
Di-n-octyl phthalate	1.054	1.357		28.7	20.0
Benzo(b)fluoranthene	1.164	1.147		-1.5	
Benzo(k)fluoranthene	1.158	1.093		-5.6	
Benzo(a)pyrene	0.991	1.020		2.9	20.0
Indeno(1,2,3-cd)pyrene	1.274	1.358		6.6	
Dibenzo(a,h)anthracene	1.053	1.127		7.0	
Benzo(g,h,i)perylene	1.088	1.140		4.8	
1,2,4,5-Tetrachlorobenzene	0.575	0.598		4.0	
1,4-Dioxane	0.439	0.407		-7.3	20.0
2,3,4,6-Tetrachlorophenol	0.357	0.403		12.9	

All other compounds must meet a minimum RRF of 0.010.

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: PARS02

Lab Code: ACE SDG No.: Q2592

Instrument ID: BNA_P Calibration Date/Time: 07/18/2025 11:04

Lab File ID: BP025187.D Init. Calib. Date(s): 07/03/2025 07/03/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:39 14:31

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.129	1.060		-6.1	
Benzaldehyde	0.769	0.712		-7.4	
Phenol-d6	1.473	1.366		-7.3	
Phenol	1.497	1.351		-9.8	20.0
bis(2-Chloroethyl)ether	1.152	1.027		-10.9	
2-Chlorophenol	1.263	1.211		-4.1	
2-Methylphenol	0.964	0.922		-4.4	
2,2-oxybis(1-Chloropropane)	1.498	1.251		-16.5	
Acetophenone	0.473	0.425		-10.1	
3+4-Methylphenols	1.350	1.285		-4.8	
n-Nitroso-di-n-propylamine	0.874	0.816	0.050	-6.6	
Nitrobenzene-d5	0.301	0.288		-4.3	
Hexachloroethane	0.466	0.455		-2.4	
Nitrobenzene	0.306	0.288		-5.9	
Isophorone	0.562	0.529		-5.9	
2-Nitrophenol	0.128	0.172		34.4	20.0
2,4-Dimethylphenol	0.210	0.200		-4.8	
bis(2-Chloroethoxy)methane	0.382	0.353		-7.6	
2,4-Dichlorophenol	0.291	0.291		0.0	20.0
Naphthalene	1.030	0.936		-9.1	
4-Chloroaniline	0.384	0.359		-6.5	
Hexachlorobutadiene	0.185	0.186		0.5	20.0
Caprolactam	0.099	0.097		-2.0	
4-Chloro-3-methylphenol	0.304	0.296		-2.6	20.0
2-Methylnaphthalene	0.727	0.675		-7.2	
Hexachlorocyclopentadiene	0.150	0.168	0.050	12.0	
2,4,6-Trichlorophenol	0.348	0.368		5.7	20.0
2-Fluorobiphenyl	1.291	1.166		-9.7	
2,4,5-Trichlorophenol	0.394	0.406		3.0	
1,1-Biphenyl	1.455	1.318		-9.4	
2-Chloronaphthalene	1.094	0.997		-8.9	
2-Nitroaniline	0.237	0.256		8.0	
Dimethylphthalate	1.400	1.304		-6.9	
Acenaphthylene	1.674	1.527		-8.8	
2,6-Dinitrotoluene	0.273	0.286		4.8	
3-Nitroaniline	0.293	0.306		4.4	
Acenaphthene	1.079	0.968		-10.3	20.0
2,4-Dinitrophenol	0.114	0.169	0.050	48.2	
4-Nitrophenol	0.270	0.276	0.050	2.2	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: PARS02

Lab Code: ACE SDG No.: Q2592

Instrument ID: BNA_P Calibration Date/Time: 07/18/2025 11:04

Lab File ID: BP025187.D Init. Calib. Date(s): 07/03/2025 07/03/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:39 14:31

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.781	1.614		-9.4	
2,4-Dinitrotoluene	0.356	0.392		10.1	
Diethylphthalate	1.406	1.340		-4.7	
4-Chlorophenyl-phenylether	0.682	0.626		-8.2	
Fluorene	1.377	1.237		-10.2	
4-Nitroaniline	0.307	0.328		6.8	
4,6-Dinitro-2-methylphenol	0.082	0.114		39.0	
n-Nitrosodiphenylamine	0.572	0.539		-5.8	20.0
2,4,6-Tribromophenol	0.236	0.273		15.7	
4-Bromophenyl-phenylether	0.205	0.211		2.9	
Hexachlorobenzene	0.250	0.249		-0.4	
Atrazine	0.168	0.146		-13.1	
Pentachlorophenol	0.169	0.185		9.5	20.0
Phenanthrene	1.069	0.966		-9.6	
Anthracene	1.025	0.955		-6.8	
Carbazole	1.002	0.943		-5.9	
Di-n-butylphthalate	1.116	1.193		6.9	
Fluoranthene	1.249	1.197		-4.2	20.0
Pyrene	1.239	1.139		-8.1	
Terphenyl-d14	0.910	0.855		-6.0	
Butylbenzylphthalate	0.402	0.513		27.6	
3,3-Dichlorobenzidine	0.365	0.436		19.5	
Benzo(a)anthracene	1.212	1.128		-6.9	
Chrysene	1.166	1.080		-7.4	
Bis(2-ethylhexyl)phthalate	0.650	0.772		18.8	
Di-n-octyl phthalate	1.054	1.342		27.3	20.0
Benzo(b)fluoranthene	1.164	1.062		-8.8	
Benzo(k)fluoranthene	1.158	1.036		-10.5	
Benzo(a)pyrene	0.991	0.943		-4.8	20.0
Indeno(1,2,3-cd)pyrene	1.274	1.283		0.7	
Dibenzo(a,h)anthracene	1.053	1.055		0.2	
Benzo(g,h,i)perylene	1.088	1.062		-2.4	
1,2,4,5-Tetrachlorobenzene	0.575	0.552		-4.0	
1,4-Dioxane	0.439	0.381		-13.2	20.0
2,3,4,6-Tetrachlorophenol	0.357	0.373		4.5	

All other compounds must meet a minimum RRF of 0.010.