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

LAB CHRONICLE

OrderID:	Q2202	**OrderDate:**	6/4/2025 11:59:00 AM
Client:	PARSONS Engineering of New York, Inc.	**Project:**	Con Ed Non MGP – Atlantic Ave 453957.600024.05
Contact:	Stephen Liberatore	**Location:**	N31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2202-03	**MW-12-20250603**	**Water**			**06/03/25**			**06/03/25**
			SVOCMS Group1	8270E		06/06/25	06/06/25	
Q2202-03DL	**MW-12-20250603DL**	**Water**			**06/03/25**			**06/03/25**
			SVOCMS Group1	8270E		06/06/25	06/10/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2202

Client: PARSONS Engineering of New York, Inc.

Sample ID	Client ID		Parameter		Concentration	C	MDL	RDL	Units
Client ID :	**MW-12-20250603**								
Q2202-03	MW-12-20250603	WATER	Naphthalene		350.000	E	0.51	5.1	ug/L
Q2202-03	MW-12-20250603	WATER	2-Methylnaphthalene		110.000	E	0.57	5.1	ug/L
Q2202-03	MW-12-20250603	WATER	1,1-Biphenyl		33.500		0.54	5.1	ug/L
Q2202-03	MW-12-20250603	WATER	Acenaphthylene		3.600	J	0.77	5.1	ug/L
Q2202-03	MW-12-20250603	WATER	2,6-Dinitrotoluene		5.200		0.94	5.1	ug/L
Q2202-03	MW-12-20250603	WATER	Acenaphthene		58.100		0.56	5.1	ug/L
Q2202-03	MW-12-20250603	WATER	Dibenzofuran		2.900	J	0.62	5.1	ug/L
Q2202-03	MW-12-20250603	WATER	Fluorene		26.300		0.64	5.1	ug/L
Q2202-03	MW-12-20250603	WATER	Phenanthrene		37.800		0.51	5.1	ug/L
Q2202-03	MW-12-20250603	WATER	Anthracene		7.800		0.62	5.1	ug/L
Q2202-03	MW-12-20250603	WATER	Carbazole		2.200	J	0.73	5.1	ug/L
Q2202-03	MW-12-20250603	WATER	Fluoranthene		2.100	J	0.84	5.1	ug/L
Q2202-03	MW-12-20250603	WATER	Pyrene		3.100	J	0.51	5.1	ug/L
			Total Svoc :		**642.60**				
Q2202-03	MW-12-20250603	WATER	Benzene, (1-methylethyl)-	*	45.800	J	0	0	ug/L
Q2202-03	MW-12-20250603	WATER	Benzene, 1,2,3-trimethyl-	*	100.000	J	0	0	ug/L
Q2202-03	MW-12-20250603	WATER	Benzene, 1,3-diethyl-	*	50.000	J	0	0	ug/L
Q2202-03	MW-12-20250603	WATER	Benzene, 1,3-dimethyl-	*	130.000	J	0	0	ug/L
Q2202-03	MW-12-20250603	WATER	Benzene, 1,4-diethyl-	*	46.400	J	0	0	ug/L
Q2202-03	MW-12-20250603	WATER	Benzene, 1-ethenyl-2-methyl-	*	220.000	J	0	0	ug/L
Q2202-03	MW-12-20250603	WATER	Benzene, 1-ethyl-2,3-dimethyl-	*	35.500	J	0	0	ug/L
Q2202-03	MW-12-20250603	WATER	Benzene, 1-ethyl-3-methyl-	*	160.000	J	0	0	ug/L
Q2202-03	MW-12-20250603	WATER	Benzene, 1-ethyl-4-methyl-	*	77.200	J	0	0	ug/L
Q2202-03	MW-12-20250603	WATER	Benzene, 1-methyl-4-propyl-	*	10.500	J	0	0	ug/L
Q2202-03	MW-12-20250603	WATER	Benzene, 2-propenyl-	*	11.800	J	0	0	ug/L
Q2202-03	MW-12-20250603	WATER	Cyclopentene, 1-ethenyl-3-methyl	*	9.000	J	0	0	ug/L
Q2202-03	MW-12-20250603	WATER	Cycloprop[a]indene, 1,1a,6,6a-tetı	*	9.300	J	0	0	ug/L
Q2202-03	MW-12-20250603	WATER	Naphthalene, 1,5-dimethyl-	*	24.200	J	0	0	ug/L
Q2202-03	MW-12-20250603	WATER	Naphthalene, 1-ethyl-	*	14.200	J	0	0	ug/L
Q2202-03	MW-12-20250603	WATER	Naphthalene, 2,3-dimethyl-	*	23.600	J	0	0	ug/L
Q2202-03	MW-12-20250603	WATER	Phenanthrene, 2-methyl-	*	9.300	J	0	0	ug/L
Q2202-03	MW-12-20250603	WATER	Phenethylamine, N-benzyl-p-chlo	*	50.800	J	0	0	ug/L
Q2202-03	MW-12-20250603	WATER	unknown7.928	*	9.500	J	0	0	ug/L
Q2202-03	MW-12-20250603	WATER	1-Methylnaphthalene	*	260.000	J	0.67	5.1	ug/L
			Total Tics :		**1,297.10**				
			Total Concentration:		**1,939.70**				

Client ID : MW-12-20250603DL

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Hit Summary Sheet
SW-846

SDG No.: Q2202

Client: PARSONS Engineering of New York, Inc.

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Q2202-03DL	MW-12-20250603DL	WATER	Naphthalene	770.000	D	5.1	51	ug/L
Q2202-03DL	MW-12-20250603DL	WATER	2-Methylnaphthalene	160.000	D	5.7	51	ug/L
Q2202-03DL	MW-12-20250603DL	WATER	1,1-Biphenyl	42.600	JD	5.4	51	ug/L
Q2202-03DL	MW-12-20250603DL	WATER	Acenaphthene	87.300	D	5.6	51	ug/L
Q2202-03DL	MW-12-20250603DL	WATER	Fluorene	31.900	JD	6.4	51	ug/L
Q2202-03DL	MW-12-20250603DL	WATER	Phenanthrene	50.900	JD	5.1	51	ug/L
			Total Svoc :	**1,142.70**				
			Total Concentration:	**1,142.70**				

SAMPLE DATA

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Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	06/03/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	06/03/25
Client Sample ID:	MW-12-20250603	SDG No.:	Q2202
Lab Sample ID:	Q2202-03	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	980 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142660.D	1	06/06/25 08:35	06/06/25 22:01	PB168323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	4.00	U	4.00	10.2	ug/L
108-95-2	Phenol	0.93	U	0.93	5.10	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.83	U	0.83	5.10	ug/L
95-57-8	2-Chlorophenol	0.59	U	0.59	5.10	ug/L
95-48-7	2-Methylphenol	1.10	U	1.10	5.10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.30	U	1.30	5.10	ug/L
98-86-2	Acetophenone	0.76	U	0.76	5.10	ug/L
65794-96-9	3+4-Methylphenols	1.10	U	1.10	10.2	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.40	U	1.40	2.60	ug/L
67-72-1	Hexachloroethane	0.66	U	0.66	5.10	ug/L
98-95-3	Nitrobenzene	0.78	U	0.78	5.10	ug/L
78-59-1	Isophorone	0.77	U	0.77	5.10	ug/L
88-75-5	2-Nitrophenol	1.80	U	1.80	5.10	ug/L
105-67-9	2,4-Dimethylphenol	1.90	U	1.90	5.10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	0.69	U	0.69	5.10	ug/L
120-83-2	2,4-Dichlorophenol	0.53	U	0.53	5.10	ug/L
91-20-3	Naphthalene	350	E	0.51	5.10	ug/L
106-47-8	4-Chloroaniline	0.86	U	0.86	5.10	ug/L
87-68-3	Hexachlorobutadiene	0.55	U	0.55	5.10	ug/L
105-60-2	Caprolactam	1.20	U	1.20	10.2	ug/L
59-50-7	4-Chloro-3-methylphenol	0.60	U	0.60	5.10	ug/L
91-57-6	2-Methylnaphthalene	110	E	0.57	5.10	ug/L
77-47-4	Hexachlorocyclopentadiene	3.70	U	3.70	10.2	ug/L
88-06-2	2,4,6-Trichlorophenol	0.52	U	0.52	5.10	ug/L
95-95-4	2,4,5-Trichlorophenol	0.63	U	0.63	5.10	ug/L
92-52-4	1,1-Biphenyl	33.5		0.54	5.10	ug/L
91-58-7	2-Chloronaphthalene	0.62	U	0.62	5.10	ug/L
88-74-4	2-Nitroaniline	1.30	U	1.30	5.10	ug/L
131-11-3	Dimethylphthalate	0.62	U	0.62	5.10	ug/L

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Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	06/03/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	06/03/25
Client Sample ID:	MW-12-20250603	SDG No.:	Q2202
Lab Sample ID:	Q2202-03	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	980 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142660.D	1	06/06/25 08:35	06/06/25 22:01	PB168323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	3.60	J	0.77	5.10	ug/L
606-20-2	2,6-Dinitrotoluene	5.20		0.94	5.10	ug/L
99-09-2	3-Nitroaniline	1.10	U	1.10	5.10	ug/L
83-32-9	Acenaphthene	58.1		0.56	5.10	ug/L
51-28-5	2,4-Dinitrophenol	6.10	U	6.10	10.2	ug/L
100-02-7	4-Nitrophenol	2.40	U	2.40	10.2	ug/L
132-64-9	Dibenzofuran	2.90	J	0.62	5.10	ug/L
121-14-2	2,4-Dinitrotoluene	1.20	U	1.20	5.10	ug/L
84-66-2	Diethylphthalate	0.70	U	0.70	5.10	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.69	U	0.69	5.10	ug/L
86-73-7	Fluorene	26.3		0.64	5.10	ug/L
100-01-6	4-Nitroaniline	1.50	U	1.50	5.10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	2.90	U	2.90	10.2	ug/L
86-30-6	n-Nitrosodiphenylamine	0.59	U	0.59	5.10	ug/L
101-55-3	4-Bromophenyl-phenylether	0.41	U	0.41	5.10	ug/L
118-74-1	Hexachlorobenzene	0.53	U	0.53	5.10	ug/L
1912-24-9	Atrazine	1.00	U	1.00	5.10	ug/L
87-86-5	Pentachlorophenol	1.60	U	1.60	10.2	ug/L
85-01-8	Phenanthrene	37.8		0.51	5.10	ug/L
120-12-7	Anthracene	7.80		0.62	5.10	ug/L
86-74-8	Carbazole	2.20	J	0.73	5.10	ug/L
84-74-2	Di-n-butylphthalate	1.20	U	1.20	5.10	ug/L
206-44-0	Fluoranthene	2.10	J	0.84	5.10	ug/L
129-00-0	Pyrene	3.10	J	0.51	5.10	ug/L
85-68-7	Butylbenzylphthalate	2.00	U	2.00	5.10	ug/L
91-94-1	3,3-Dichlorobenzidine	0.95	U	0.95	10.2	ug/L
56-55-3	Benzo(a)anthracene	0.46	U	0.46	5.10	ug/L
218-01-9	Chrysene	0.45	U	0.45	5.10	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.60	U	1.60	5.10	ug/L
117-84-0	Di-n-octyl phthalate	2.40	U	2.40	10.2	ug/L
205-99-2	Benzo(b)fluoranthene	0.50	U	0.50	5.10	ug/L

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Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	06/03/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	06/03/25
Client Sample ID:	MW-12-20250603	SDG No.:	Q2202
Lab Sample ID:	Q2202-03	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	980 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142660.D	1	06/06/25 08:35	06/06/25 22:01	PB168323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	0.49	U	0.49	5.10	ug/L
50-32-8	Benzo(a)pyrene	0.56	U	0.56	5.10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.60	U	0.60	5.10	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.68	U	0.68	5.10	ug/L
191-24-2	Benzo(g,h,i)perylene	0.70	U	0.70	5.10	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	0.53	U	0.53	5.10	ug/L
123-91-1	1,4-Dioxane	1.00	U	1.00	5.10	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.73	U	0.73	5.10	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	71.9		23 - 138	48%	SPK: 150
13127-88-3	Phenol-d6	49.9		10 - 134	33%	SPK: 150
4165-60-0	Nitrobenzene-d5	75.4		67 - 132	75%	SPK: 100
321-60-8	2-Fluorobiphenyl	70.3		52 - 132	70%	SPK: 100
118-79-6	2,4,6-Tribromophenol	121		44 - 137	80%	SPK: 150
1718-51-0	Terphenyl-d14	64.6		42 - 152	65%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	127000	6.892			
1146-65-2	Naphthalene-d8	429000	8.186			
15067-26-2	Acenaphthene-d10	251000	9.933			
1517-22-2	Phenanthrene-d10	375000	11.422			
1719-03-5	Chrysene-d12	233000	14.063			
1520-96-3	Perylene-d12	275000	15.557			
TENTATIVE IDENTIFIED COMPOUNDS						
000108-38-3	Benzene, 1,3-dimethyl-	130	J		5.39	ug/L
061142-07-2	Cyclopentene, 1-ethenyl-3-methylen	9.00	J		5.75	ug/L
000098-82-8	Benzene, (1-methylethyl)-	45.8	J		6.07	ug/L
013622-43-0	Phenethylamine, N-benzyl-p-chloro-	50.8	J		6.36	ug/L
000622-96-8	Benzene, 1-ethyl-4-methyl-	77.2	J		6.58	ug/L
000620-14-4	Benzene, 1-ethyl-3-methyl-	160	J		6.72	ug/L
000526-73-8	Benzene, 1,2,3-trimethyl-	100	J		6.95	ug/L

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Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	06/03/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	06/03/25
Client Sample ID:	MW-12-20250603	SDG No.:	Q2202
Lab Sample ID:	Q2202-03	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	980 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142660.D	1	06/06/25 08:35	06/06/25 22:01	PB168323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
000300-57-2	Benzene, 2-propenyl-	11.8	J		6.99	ug/L
000611-15-4	Benzene, 1-ethenyl-2-methyl-	220	J		7.08	ug/L
000141-93-5	Benzene, 1,3-diethyl-	50.0	J		7.14	ug/L
000105-05-5	Benzene, 1,4-diethyl-	46.4	J		7.21	ug/L
001074-55-1	Benzene, 1-methyl-4-propyl-	10.5	J		7.29	ug/L
000933-98-2	Benzene, 1-ethyl-2,3-dimethyl-	35.5	J		7.36	ug/L
	unknown7.928	9.50	J		7.93	ug/L
015677-15-3	Cycloprop[a]indene, 1,1a,6,6a-tetr	9.30	J		7.97	ug/L
90-12-0	1-Methylnaphthalene	260	J		9.01	ug/L
001127-76-0	Naphthalene, 1-ethyl-	14.2	J		9.46	ug/L
000571-61-9	Naphthalene, 1,5-dimethyl-	24.2	J		9.52	ug/L
000581-40-8	Naphthalene, 2,3-dimethyl-	23.6	J		9.71	ug/L
002531-84-2	Phenanthrene, 2-methyl-	9.30	J		11.9	ug/L

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:	06/03/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	06/03/25
Client Sample ID:	MW-12-20250603DL	SDG No.:	Q2202
Lab Sample ID:	Q2202-03DL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	980 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050274.D	10	06/06/25 08:35	06/10/25 12:38	PB168323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	39.9	UD	39.9	100	ug/L
108-95-2	Phenol	9.30	UD	9.30	51.0	ug/L
111-44-4	bis(2-Chloroethyl)ether	8.30	UD	8.30	51.0	ug/L
95-57-8	2-Chlorophenol	5.90	UD	5.90	51.0	ug/L
95-48-7	2-Methylphenol	11.4	UD	11.4	51.0	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	13.1	UD	13.1	51.0	ug/L
98-86-2	Acetophenone	7.60	UD	7.60	51.0	ug/L
65794-96-9	3+4-Methylphenols	11.2	UD	11.2	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	14.4	UD	14.4	25.5	ug/L
67-72-1	Hexachloroethane	6.60	UD	6.60	51.0	ug/L
98-95-3	Nitrobenzene	7.80	UD	7.80	51.0	ug/L
78-59-1	Isophorone	7.70	UD	7.70	51.0	ug/L
88-75-5	2-Nitrophenol	18.0	UD	18.0	51.0	ug/L
105-67-9	2,4-Dimethylphenol	18.9	UD	18.9	51.0	ug/L
111-91-1	bis(2-Chloroethoxy)methane	6.90	UD	6.90	51.0	ug/L
120-83-2	2,4-Dichlorophenol	5.30	UD	5.30	51.0	ug/L
91-20-3	Naphthalene	770	D	5.10	51.0	ug/L
106-47-8	4-Chloroaniline	8.60	UD	8.60	51.0	ug/L
87-68-3	Hexachlorobutadiene	5.50	UD	5.50	51.0	ug/L
105-60-2	Caprolactam	11.5	UD	11.5	100	ug/L
59-50-7	4-Chloro-3-methylphenol	6.00	UD	6.00	51.0	ug/L
91-57-6	2-Methylnaphthalene	160	D	5.70	51.0	ug/L
77-47-4	Hexachlorocyclopentadiene	37.0	UD	37.0	100	ug/L
88-06-2	2,4,6-Trichlorophenol	5.20	UD	5.20	51.0	ug/L
95-95-4	2,4,5-Trichlorophenol	6.30	UD	6.30	51.0	ug/L
92-52-4	1,1-Biphenyl	42.6	JD	5.40	51.0	ug/L
91-58-7	2-Chloronaphthalene	6.20	UD	6.20	51.0	ug/L
88-74-4	2-Nitroaniline	12.9	UD	12.9	51.0	ug/L
131-11-3	Dimethylphthalate	6.20	UD	6.20	51.0	ug/L

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Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	06/03/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	06/03/25
Client Sample ID:	MW-12-20250603DL	SDG No.:	Q2202
Lab Sample ID:	Q2202-03DL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	980 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050274.D	10	06/06/25 08:35	06/10/25 12:38	PB168323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	7.70	UD	7.70	51.0	ug/L
606-20-2	2,6-Dinitrotoluene	9.40	UD	9.40	51.0	ug/L
99-09-2	3-Nitroaniline	10.7	UD	10.7	51.0	ug/L
83-32-9	Acenaphthene	87.3	D	5.60	51.0	ug/L
51-28-5	2,4-Dinitrophenol	60.9	UD	60.9	100	ug/L
100-02-7	4-Nitrophenol	24.3	UD	24.3	100	ug/L
132-64-9	Dibenzofuran	6.20	UD	6.20	51.0	ug/L
121-14-2	2,4-Dinitrotoluene	12.4	UD	12.4	51.0	ug/L
84-66-2	Diethylphthalate	7.00	UD	7.00	51.0	ug/L
7005-72-3	4-Chlorophenyl-phenylether	6.90	UD	6.90	51.0	ug/L
86-73-7	Fluorene	31.9	JD	6.40	51.0	ug/L
100-01-6	4-Nitroaniline	15.3	UD	15.3	51.0	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	29.4	UD	29.4	100	ug/L
86-30-6	n-Nitrosodiphenylamine	5.90	UD	5.90	51.0	ug/L
101-55-3	4-Bromophenyl-phenylether	4.10	UD	4.10	51.0	ug/L
118-74-1	Hexachlorobenzene	5.30	UD	5.30	51.0	ug/L
1912-24-9	Atrazine	10.3	UD	10.3	51.0	ug/L
87-86-5	Pentachlorophenol	16.1	UD	16.1	100	ug/L
85-01-8	Phenanthrene	50.9	JD	5.10	51.0	ug/L
120-12-7	Anthracene	6.20	UD	6.20	51.0	ug/L
86-74-8	Carbazole	7.30	UD	7.30	51.0	ug/L
84-74-2	Di-n-butylphthalate	12.4	UD	12.4	51.0	ug/L
206-44-0	Fluoranthene	8.40	UD	8.40	51.0	ug/L
129-00-0	Pyrene	5.10	UD	5.10	51.0	ug/L
85-68-7	Butylbenzylphthalate	19.7	UD	19.7	51.0	ug/L
91-94-1	3,3-Dichlorobenzidine	9.50	UD	9.50	100	ug/L
56-55-3	Benzo(a)anthracene	4.60	UD	4.60	51.0	ug/L
218-01-9	Chrysene	4.50	UD	4.50	51.0	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	16.3	UD	16.3	51.0	ug/L
117-84-0	Di-n-octyl phthalate	23.9	UD	23.9	100	ug/L
205-99-2	Benzo(b)fluoranthene	5.00	UD	5.00	51.0	ug/L

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Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	06/03/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	06/03/25
Client Sample ID:	MW-12-20250603DL	SDG No.:	Q2202
Lab Sample ID:	Q2202-03DL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	980 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050274.D	10	06/06/25 08:35	06/10/25 12:38	PB168323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	4.90	UD	4.90	51.0	ug/L
50-32-8	Benzo(a)pyrene	5.60	UD	5.60	51.0	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	6.00	UD	6.00	51.0	ug/L
53-70-3	Dibenzo(a,h)anthracene	6.80	UD	6.80	51.0	ug/L
191-24-2	Benzo(g,h,i)perylene	7.00	UD	7.00	51.0	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	5.30	UD	5.30	51.0	ug/L
123-91-1	1,4-Dioxane	10.2	UD	10.2	51.0	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	7.30	UD	7.30	51.0	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	101		23 - 138	67%	SPK: 150
13127-88-3	Phenol-d6	56.9		10 - 134	38%	SPK: 150
4165-60-0	Nitrobenzene-d5	93.2		67 - 132	93%	SPK: 100
321-60-8	2-Fluorobiphenyl	98.7		52 - 132	99%	SPK: 100
118-79-6	2,4,6-Tribromophenol	149		44 - 137	99%	SPK: 150
1718-51-0	Terphenyl-d14	106		42 - 152	106%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	335000	7.763			
1146-65-2	Naphthalene-d8	1360000	10.551			
15067-26-2	Acenaphthene-d10	771000	14.392			
1517-22-2	Phenanthrene-d10	1510000	17.133			
1719-03-5	Chrysene-d12	1640000	21.362			
1520-96-3	Perylene-d12	1720000	24.339			

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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SW-846

SDG No.: Q2202

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
PB168323BL	PB168323BL	2-Fluorophenol	150	146	97		23	138
		Phenol-d6	150	137	92		10	134
		Nitrobenzene-d5	100	85.2	85		67	132
		2-Fluorobiphenyl	100	84.3	84		52	132
		2,4,6-Tribromophenol	150	143	95		44	137
		Terphenyl-d14	100	90.1	90		42	152
PB168323BS	PB168323BS	2-Fluorophenol	150	143	95		23	138
		Phenol-d6	150	136	91		10	134
		Nitrobenzene-d5	100	79.4	79		67	132
		2-Fluorobiphenyl	100	77.9	78		52	132
		2,4,6-Tribromophenol	150	131	88		44	137
		Terphenyl-d14	100	79.2	79		42	152
Q2202-03	MW-12-20250603	2-Fluorophenol	150	71.9	48		23	138
		Phenol-d6	150	49.9	33		10	134
		Nitrobenzene-d5	100	75.4	75		67	132
		2-Fluorobiphenyl	100	70.3	70		52	132
		2,4,6-Tribromophenol	150	121	80		44	137
		Terphenyl-d14	100	64.6	65		42	152
Q2202-03DL	MW-12-20250603DL	2-Fluorophenol	150	101	67		23	138
		Phenol-d6	150	56.9	38		10	134
		Nitrobenzene-d5	100	93.2	93		67	132
		2-Fluorobiphenyl	100	98.7	99		52	132
		2,4,6-Tribromophenol	150	149	99		44	137
		Terphenyl-d14	100	106	106		42	152
Q2230-03MS	GW-MW01-060425MS	2-Fluorophenol	150	79.2	53		23	138
		Phenol-d6	150	50.7	34		10	134
		Nitrobenzene-d5	100	90.5	91		67	132
		2-Fluorobiphenyl	100	85.6	86		52	132
		2,4,6-Tribromophenol	150	162	108		44	137
		Terphenyl-d14	100	80.4	80		42	152
Q2230-04MSD	GW-MW01-060425MSD	2-Fluorophenol	150	74.2	49		23	138
		Phenol-d6	150	46.3	31		10	134
		Nitrobenzene-d5	100	88.0	88		67	132
		2-Fluorobiphenyl	100	85.9	86		52	132
		2,4,6-Tribromophenol	150	159	106		44	137
		Terphenyl-d14	100	89.3	89		42	152

Alliance TECHNICAL GROUP
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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2202

Client: PARSONS Engineering of New York, Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q2230-03MS		**Client Sample ID: GW-MW01-060425MS**						**DataFile: BP024879.D**			
Benzaldehyde	52.1	0	39.6	ug/L	76				10	137	
Phenol	52.1	0	19.1	ug/L	37				10	130	
bis(2-Chloroethyl)ether	52.1	0	51.3	ug/L	98				29	141	
2-Chlorophenol	52.1	0	45.5	ug/L	87				23	127	
2-Methylphenol	52.1	0	38.6	ug/L	74				60	131	
2,2-oxybis(1-Chloropropane)	52.1	0	44.9	ug/L	86				36	141	
Acetophenone	52.1	0	55.9	ug/L	107				31	164	
3+4-Methylphenols	52.1	4.40	41.2	ug/L	71				54	136	
N-Nitroso-di-n-propylamine	52.1	0	50.4	ug/L	97				36	147	
Hexachloroethane	52.1	0	24.9	ug/L	48				19	146	
Nitrobenzene	52.1	0	54.9	ug/L	105				62	112	
Isophorone	52.1	0	51.6	ug/L	99				39	146	
2-Nitrophenol	52.1	0	52.7	ug/L	101				30	148	
2,4-Dimethylphenol	52.1	0	48.2	ug/L	93				17	143	
bis(2-Chloroethoxy)methane	52.1	0	52.2	ug/L	100				39	143	
2,4-Dichlorophenol	52.1	0	53.0	ug/L	102				22	146	
Naphthalene	52.1	2.20	42.7	ug/L	78				17	157	
4-Chloroaniline	52.1	0	31.4	ug/L	60				10	95	
Hexachlorobutadiene	52.1	0	28.9	ug/L	55				52	125	
Caprolactam	52.1	0	11.7	ug/L	22				10	130	
4-Chloro-3-methylphenol	52.1	0	50.6	ug/L	97				17	148	
2-Methylnaphthalene	52.1	0	48.7	ug/L	93				38	146	
Hexachlorocyclopentadiene	100	0	62.8	ug/L	63				20	153	
2,4,6-Trichlorophenol	52.1	0	55.7	ug/L	107				78	112	
2,4,5-Trichlorophenol	52.1	0	57.9	ug/L	111				71	111	
1,1-Biphenyl	52.1	0	50.2	ug/L	96				38	154	
2-Chloronaphthalene	52.1	0	48.7	ug/L	93				41	145	
2-Nitroaniline	52.1	0	51.3	ug/L	98				39	151	
Dimethylphthalate	52.1	0	54.0	ug/L	104				42	147	
Acenaphthylene	52.1	0	50.7	ug/L	97				40	141	
2,6-Dinitrotoluene	52.1	0	56.1	ug/L	108				43	148	
3-Nitroaniline	52.1	0	33.9	ug/L	65				10	111	
Acenaphthene	52.1	0	52.1	ug/L	100				37	146	
2,4-Dinitrophenol	100	0	100	ug/L	100				14	167	
4-Nitrophenol	100	0	48.3	ug/L	48				10	130	
Dibenzofuran	52.1	0	52.6	ug/L	101				41	145	
2,4-Dinitrotoluene	52.1	0	60.2	ug/L	116				74	137	
Diethylphthalate	52.1	0	56.7	ug/L	109				41	148	
4-Chlorophenyl-phenylether	52.1	0	53.6	ug/L	103				38	149	
Fluorene	52.1	0	53.8	ug/L	103				39	144	
4-Nitroaniline	52.1	0	47.0	ug/L	90				27	138	
4,6-Dinitro-2-methylphenol	52.1	0	53.6	ug/L	103				32	175	
N-Nitrosodiphenylamine	52.1	0	52.4	ug/L	101				40	150	
4-Bromophenyl-phenylether	52.1	0	53.0	ug/L	102				42	151	
Hexachlorobenzene	52.1	0	53.4	ug/L	102				72	115	
Atrazine	52.1	0	57.8	ug/L	111				20	162	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2202

Client: PARSONS Engineering of New York, Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Pentachlorophenol	100	0	140	ug/L	140				52	162	
Phenanthrene	52.1	0	53.7	ug/L	103				40	147	
Anthracene	52.1	0	53.8	ug/L	103				41	146	
Carbazole	52.1	0	57.9	ug/L	111				37	154	
Di-n-butylphthalate	52.1	0	58.4	ug/L	112				40	151	
Fluoranthene	52.1	0	57.7	ug/L	111				42	146	
Pyrene	52.1	0	51.4	ug/L	99				41	149	
Butylbenzylphthalate	52.1	0	56.8	ug/L	109				39	155	
3,3-Dichlorobenzidine	52.1	0	19.1	ug/L	37				10	114	
Benzo(a)anthracene	52.1	0	54.6	ug/L	105				41	147	
Chrysene	52.1	0	53.4	ug/L	102				44	144	
bis(2-Ethylhexyl)phthalate	52.1	0	57.3	ug/L	110				33	160	
Di-n-octyl phthalate	52.1	0	58.4	ug/L	112				36	158	
Benzo(b)fluoranthene	52.1	0	56.2	ug/L	108				40	150	
Benzo(k)fluoranthene	52.1	0	53.1	ug/L	102				40	147	
Benzo(a)pyrene	52.1	0	54.1	ug/L	104				42	147	
Indeno(1,2,3-cd)pyrene	52.1	0	56.3	ug/L	108				30	166	
Dibenz(a,h)anthracene	52.1	0	57.5	ug/L	110				23	172	
Benzo(g,h,i)perylene	52.1	0	56.4	ug/L	108				27	167	
1,2,4,5-Tetrachlorobenzene	52.1	0	46.6	ug/L	89				89	102	
1,4-Dioxane	52.1	0	18.1	ug/L	35	*			38	130	
2,3,4,6-Tetrachlorophenol	52.1	0	57.7	ug/L	111				91	111	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2202

Client: PARSONS Engineering of New York, Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q2230-04MSD		**Client Sample ID: GW-MW01-060425MSD**						**DataFile: BP024880.D**			
Benzaldehyde	53.2	0	38.8	ug/L	73		4		10	137	20
Phenol	53.2	0	18.1	ug/L	34		8		10	130	20
bis(2-Chloroethyl)ether	53.2	0	50.2	ug/L	94		4		29	141	20
2-Chlorophenol	53.2	0	43.6	ug/L	82		6		23	127	20
2-Methylphenol	53.2	0	37.0	ug/L	70		6		60	131	20
2,2-oxybis(1-Chloropropane)	53.2	0	44.5	ug/L	84		2		36	141	20
Acetophenone	53.2	0	55.5	ug/L	104		3		31	164	20
3+4-Methylphenols	53.2	4.40	38.5	ug/L	64		10		54	136	20
N-Nitroso-di-n-propylamine	53.2	0	48.1	ug/L	90		7		36	147	20
Hexachloroethane	53.2	0	24.9	ug/L	47		2		19	146	20
Nitrobenzene	53.2	0	54.8	ug/L	103		2		62	112	20
Isophorone	53.2	0	51.1	ug/L	96		3		39	146	20
2-Nitrophenol	53.2	0	52.9	ug/L	99		2		30	148	20
2,4-Dimethylphenol	53.2	0	46.9	ug/L	88		6		17	143	20
bis(2-Chloroethoxy)methane	53.2	0	52.7	ug/L	99		1		39	143	20
2,4-Dichlorophenol	53.2	0	51.8	ug/L	97		5		22	146	20
Naphthalene	53.2	2.20	42.1	ug/L	75		4		17	157	20
4-Chloroaniline	53.2	0	28.9	ug/L	54		11		10	95	20
Hexachlorobutadiene	53.2	0	30.1	ug/L	57		4		52	125	20
Caprolactam	53.2	0	10.8	ug/L	20		10		10	130	20
4-Chloro-3-methylphenol	53.2	0	48.9	ug/L	92		5		17	148	20
2-Methylnaphthalene	53.2	0	48.6	ug/L	91		2		38	146	20
Hexachlorocyclopentadiene	110	0	70.7	ug/L	64		2		20	153	20
2,4,6-Trichlorophenol	53.2	0	56.6	ug/L	106		1		78	112	20
2,4,5-Trichlorophenol	53.2	0	57.7	ug/L	108		3		71	111	20
1,1-Biphenyl	53.2	0	52.0	ug/L	98		2		38	154	20
2-Chloronaphthalene	53.2	0	50.5	ug/L	95		2		41	145	20
2-Nitroaniline	53.2	0	49.4	ug/L	93		5		39	151	20
Dimethylphthalate	53.2	0	53.9	ug/L	101		3		42	147	20
Acenaphthylene	53.2	0	51.1	ug/L	96		1		40	141	20
2,6-Dinitrotoluene	53.2	0	55.7	ug/L	105		3		43	148	20
3-Nitroaniline	53.2	0	32.5	ug/L	61		6		10	111	20
Acenaphthene	53.2	0	52.7	ug/L	99		1		37	146	20
2,4-Dinitrophenol	110	0	110	ug/L	100		0		14	167	20
4-Nitrophenol	110	0	45.5	ug/L	41		16		10	130	20
Dibenzofuran	53.2	0	52.6	ug/L	99		2		41	145	20
2,4-Dinitrotoluene	53.2	0	57.4	ug/L	108		7		74	137	20
Diethylphthalate	53.2	0	56.7	ug/L	107		2		41	148	20
4-Chlorophenyl-phenylether	53.2	0	54.1	ug/L	102		1		38	149	20
Fluorene	53.2	0	53.9	ug/L	101		2		39	144	20
4-Nitroaniline	53.2	0	44.3	ug/L	83		8		27	138	20
4,6-Dinitro-2-methylphenol	53.2	0	56.0	ug/L	105		2		32	175	20
N-Nitrosodiphenylamine	53.2	0	53.2	ug/L	100		1		40	150	20
4-Bromophenyl-phenylether	53.2	0	56.8	ug/L	107		5		42	151	20
Hexachlorobenzene	53.2	0	55.5	ug/L	104		2		72	115	20
Atrazine	53.2	0	57.4	ug/L	108		3		20	162	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2202

Client: PARSONS Engineering of New York, Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Pentachlorophenol	110	0	140	ug/L	127		10		52	162	20
Phenanthrene	53.2	0	53.6	ug/L	101		2		40	147	20
Anthracene	53.2	0	53.0	ug/L	100		3		41	146	20
Carbazole	53.2	0	54.8	ug/L	103		7		37	154	20
Di-n-butylphthalate	53.2	0	59.9	ug/L	113		1		40	151	20
Fluoranthene	53.2	0	54.9	ug/L	103		7		42	146	20
Pyrene	53.2	0	56.8	ug/L	107		8		41	149	20
Butylbenzylphthalate	53.2	0	63.2	ug/L	119		9		39	155	20
3,3-Dichlorobenzidine	53.2	0	18.2	ug/L	34		8		10	114	20
Benzo(a)anthracene	53.2	0	55.1	ug/L	104		1		41	147	20
Chrysene	53.2	0	54.7	ug/L	103		1		44	144	20
bis(2-Ethylhexyl)phthalate	53.2	0	66.5	ug/L	125		13		33	160	20
Di-n-octyl phthalate	53.2	0	64.9	ug/L	122		9		36	158	20
Benzo(b)fluoranthene	53.2	0	56.0	ug/L	105		3		40	150	20
Benzo(k)fluoranthene	53.2	0	55.1	ug/L	104		2		40	147	20
Benzo(a)pyrene	53.2	0	54.8	ug/L	103		1		42	147	20
Indeno(1,2,3-cd)pyrene	53.2	0	55.3	ug/L	104		4		30	166	20
Dibenz(a,h)anthracene	53.2	0	55.8	ug/L	105		5		23	172	20
Benzo(g,h,i)perylene	53.2	0	54.4	ug/L	102		6		27	167	20
1,2,4,5-Tetrachlorobenzene	53.2	0	48.8	ug/L	92		3		89	102	20
1,4-Dioxane	53.2	0	19.4	ug/L	36	*	3		38	130	20
2,3,4,6-Tetrachlorophenol	53.2	0	57.1	ug/L	107		4		91	111	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2202

Client: PARSONS Engineering of New York, Inc.

Analytical Method: 8270E **DataFile:** BP024873.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168323BS	Benzaldehyde	50	36.0	ug/L	72				10	162	
	Phenol	50	49.0	ug/L	98				66	118	
	bis(2-Chloroethyl)ether	50	44.9	ug/L	90				62	103	
	2-Chlorophenol	50	48.7	ug/L	97				70	117	
	2-Methylphenol	50	47.4	ug/L	95				69	109	
	2,2-oxybis(1-Chloropropane)	50	43.1	ug/L	86				65	100	
	Acetophenone	50	45.2	ug/L	90				60	104	
	3+4-Methylphenols	50	46.7	ug/L	93				67	106	
	N-Nitroso-di-n-propylamine	50	41.9	ug/L	84				57	107	
	Hexachloroethane	50	43.8	ug/L	88				76	118	
	Nitrobenzene	50	46.3	ug/L	93				58	106	
	Isophorone	50	43.2	ug/L	86				61	102	
	2-Nitrophenol	50	47.3	ug/L	95				70	115	
	2,4-Dimethylphenol	50	48.1	ug/L	96				42	142	
	bis(2-Chloroethoxy)methane	50	45.2	ug/L	90				58	109	
	2,4-Dichlorophenol	50	49.3	ug/L	99				66	115	
	Naphthalene	50	45.3	ug/L	91				64	107	
	4-Chloroaniline	50	20.3	ug/L	41				10	85	
	Hexachlorobutadiene	50	44.9	ug/L	90				69	101	
	Caprolactam	50	45.7	ug/L	91				58	128	
	4-Chloro-3-methylphenol	50	47.3	ug/L	95				65	114	
	2-Methylnaphthalene	50	45.0	ug/L	90				64	107	
	Hexachlorocyclopentadiene	100	100	ug/L	100				36	160	
	2,4,6-Trichlorophenol	50	48.2	ug/L	96				61	110	
	2,4,5-Trichlorophenol	50	49.6	ug/L	99				70	106	
	1,1-Biphenyl	50	45.8	ug/L	92				72	98	
	2-Chloronaphthalene	50	46.2	ug/L	92				59	106	
	2-Nitroaniline	50	48.3	ug/L	97				73	114	
	Dimethylphthalate	50	44.8	ug/L	90				64	103	
	Acenaphthylene	50	45.5	ug/L	91				79	103	
	2,6-Dinitrotoluene	50	46.2	ug/L	92				64	110	
	3-Nitroaniline	50	25.9	ug/L	52				28	100	
	Acenaphthene	50	45.2	ug/L	90				59	113	
	2,4-Dinitrophenol	100	90.6	ug/L	91				36	166	
	4-Nitrophenol	100	91.4	ug/L	91				45	147	
	Dibenzofuran	50	44.3	ug/L	89				65	106	
	2,4-Dinitrotoluene	50	47.0	ug/L	94				60	115	
	Diethylphthalate	50	44.3	ug/L	89				63	105	
	4-Chlorophenyl-phenylether	50	44.1	ug/L	88				61	104	
	Fluorene	50	44.7	ug/L	89				64	107	
	4-Nitroaniline	50	45.1	ug/L	90				55	125	
	4,6-Dinitro-2-methylphenol	50	48.5	ug/L	97				62	132	
	N-Nitrosodiphenylamine	50	46.8	ug/L	94				61	109	
	4-Bromophenyl-phenylether	50	45.8	ug/L	92				73	103	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2202

Client: PARSONS Engineering of New York, Inc.

Analytical Method: 8270E **DataFile:** BP024873.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168323BS	Hexachlorobenzene	50	45.6	ug/L	91				73	106	
	Atrazine	50	46.7	ug/L	93				76	120	
	Pentachlorophenol	100	110	ug/L	110				47	114	
	Phenanthrene	50	45.8	ug/L	92				62	109	
	Anthracene	50	46.0	ug/L	92				65	110	
	Carbazole	50	47.4	ug/L	95				62	106	
	Di-n-butylphthalate	50	46.1	ug/L	92				64	106	
	Fluoranthene	50	45.9	ug/L	92				64	110	
	Pyrene	50	46.2	ug/L	92				71	103	
	Butylbenzylphthalate	50	46.4	ug/L	93				61	105	
	3,3-Dichlorobenzidine	50	26.4	ug/L	53				43	108	
	Benzo(a)anthracene	50	46.6	ug/L	93				62	107	
	Chrysene	50	46.4	ug/L	93				61	108	
	bis(2-Ethylhexyl)phthalate	50	47.5	ug/L	95				59	110	
	Di-n-octyl phthalate	50	48.1	ug/L	96				52	139	
	Benzo(b)fluoranthene	50	47.3	ug/L	95				77	113	
	Benzo(k)fluoranthene	50	47.5	ug/L	95				77	105	
	Benzo(a)pyrene	50	47.7	ug/L	95				72	131	
	Indeno(1,2,3-cd)pyrene	50	47.4	ug/L	95				72	105	
	Dibenz(a,h)anthracene	50	47.6	ug/L	95				78	115	
	Benzo(g,h,i)perylene	50	47.6	ug/L	95				75	118	
	1,2,4,5-Tetrachlorobenzene	50	46.1	ug/L	92				72	101	
	1,4-Dioxane	50	36.2	ug/L	72				38	125	
	2,3,4,6-Tetrachlorophenol	50	46.9	ug/L	94				63	116	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168323BL

Lab Name: CHEMTECH Contract: PARS02

Lab Code: CHEM Case No.: Q2202 SAS No.: Q2202 SDG NO.: Q2202

Lab File ID: BP024872.D Lab Sample ID: PB168323BL

Instrument ID: BNA_P Date Extracted: 06/06/2025

Matrix: (soil/water) Water Date Analyzed: 06/09/2025

Level: (low/med) LOW Time Analyzed: 11:24

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB168323BS	PB168323BS	BP024873.D	06/09/2025
GW-MW01-060425MS	Q2230-03MS	BP024879.D	06/09/2025
GW-MW01-060425MSD	Q2230-04MSD	BP024880.D	06/09/2025
MW-12-20250603	Q2202-03	BF142660.D	06/06/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PARS02

Lab Code: CHEM SAS No.: Q2202 SDG NO.: Q2202

Lab File ID: BF142465.D DFTPP Injection Date: 05/20/2025

Instrument ID: BNA_F DFTPP Injection Time: 11:13

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	27.4
68	Less than 2.0% of mass 69	0.5 (1.9) 1
69	Mass 69 relative abundance	24.7
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	33.5
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	4.9
275	10.0 - 60.0% of mass 198	22.3
365	Greater than 1% of mass 198	3.1
441	Present, but less than mass 443	14.9
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19 (19) 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	BF142467.D	05/20/2025	12:10
SSTDICC005	SSTDICC005	BF142468.D	05/20/2025	12:38
SSTDICC010	SSTDICC010	BF142469.D	05/20/2025	13:07
SSTDICC020	SSTDICC020	BF142470.D	05/20/2025	13:36
SSTDICCC040	SSTDICCC040	BF142471.D	05/20/2025	14:05
SSTDICC050	SSTDICC050	BF142472.D	05/20/2025	14:34
SSTDICC060	SSTDICC060	BF142473.D	05/20/2025	15:03
SSTDICC080	SSTDICC080	BF142474.D	05/20/2025	15:31

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PARS02

Lab Code: CHEM SAS No.: Q2202 SDG NO.: Q2202

Lab File ID: BF142639.D DFTPP Injection Date: 06/06/2025

Instrument ID: BNA_F DFTPP Injection Time: 11:01

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	33.5
68	Less than 2.0% of mass 69	0.5 (1.8) 1
69	Mass 69 relative abundance	29.3
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	40.9
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
275	10.0 - 60.0% of mass 198	25.4
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	15.4
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.9 (18.9) 2

1-Value is % mass 69 2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF142640.D	06/06/2025	11:36
MW-12-20250603	Q2202-03	BF142660.D	06/06/2025	22:01

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PARS02

Lab Code: CHEM SAS No.: Q2202 SDG NO.: Q2202

Lab File ID: BM050193.D DFTPP Injection Date: 06/05/2025

Instrument ID: BNA_M DFTPP Injection Time: 08:40

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	20.3
68	Less than 2.0% of mass 69	0.6 (1.6) 1
69	Mass 69 relative abundance	37.2
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	47.5
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7
275	10.0 - 60.0% of mass 198	24.6
365	Greater than 1% of mass 198	3.2
441	Present, but less than mass 443	11.6
442	Greater than 50% of mass 198	74.4
443	15.0 - 24.0% of mass 442	14.8 (19.9) 2

1-Value is % mass 69 2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BM050194.D	06/05/2025	09:20
SSTDICC005	SSTDICC005	BM050195.D	06/05/2025	09:59
SSTDICC010	SSTDICC010	BM050196.D	06/05/2025	10:38
SSTDICC020	SSTDICC020	BM050197.D	06/05/2025	11:17
SSTDICCC040	SSTDICCC040	BM050198.D	06/05/2025	11:57
SSTDICC050	SSTDICC050	BM050199.D	06/05/2025	12:36
SSTDICC060	SSTDICC060	BM050200.D	06/05/2025	13:16
SSTDICC080	SSTDICC080	BM050201.D	06/05/2025	13:56

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PARS02

Lab Code: CHEM SAS No.: Q2202 SDG NO.: Q2202

Lab File ID: BM050261.D DFTPP Injection Date: 06/10/2025

Instrument ID: BNA_M DFTPP Injection Time: 04:09

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	23.8
68	Less than 2.0% of mass 69	0.7 (1.5) 1
69	Mass 69 relative abundance	45.4
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	52.3
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	6.6
275	10.0 - 60.0% of mass 198	24.1
365	Greater than 1% of mass 198	3.1
441	Present, but less than mass 443	11.3
442	Greater than 50% of mass 198	70.3
443	15.0 - 24.0% of mass 442	14.2 (20.2) 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	BM050262.D	06/10/2025	04:48
MW-12-20250603DL	Q2202-03DL	BM050274.D	06/10/2025	12:38

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PARS02

Lab Code: CHEM SAS No.: Q2202 SDG NO.: Q2202

Lab File ID: BP024859.D DFTPP Injection Date: 06/06/2025

Instrument ID: BNA_P DFTPP Injection Time: 09:49

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	32.2
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	36.9
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	47.9
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	31.2
365	Greater than 1% of mass 198	4.6
441	Present, but less than mass 443	13.1
442	Greater than 50% of mass 198	84
443	15.0 - 24.0% of mass 442	16.1 (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	BP024860.D	06/06/2025	10:30
SSTDICC005	SSTDICC005	BP024861.D	06/06/2025	11:11
SSTDICC010	SSTDICC010	BP024862.D	06/06/2025	11:52
SSTDICC020	SSTDICC020	BP024863.D	06/06/2025	12:33
SSTDICCC040	SSTDICCC040	BP024864.D	06/06/2025	13:14
SSTDICC050	SSTDICC050	BP024865.D	06/06/2025	13:56
SSTDICC060	SSTDICC060	BP024866.D	06/06/2025	14:37
SSTDICC080	SSTDICC080	BP024867.D	06/06/2025	15:18

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PARS02

Lab Code: CHEM SAS No.: Q2202 SDG NO.: Q2202

Lab File ID: BP024870.D DFTPP Injection Date: 06/09/2025

Instrument ID: BNA_P DFTPP Injection Time: 10:03

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	33.2
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	37.7
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	48.1
197	Less than 2.0% of mass 198	0.1
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	30.7
365	Greater than 1% of mass 198	4.3
441	Present, but less than mass 443	11.6
442	Greater than 50% of mass 198	75.5
443	15.0 - 24.0% of mass 442	14.5 (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	BP024871.D	06/09/2025	10:44
PB168323BL	PB168323BL	BP024872.D	06/09/2025	11:24
PB168323BS	PB168323BS	BP024873.D	06/09/2025	12:05
GW-MW01-060425MS	Q2230-03MS	BP024879.D	06/09/2025	16:14
GW-MW01-060425MSD	Q2230-04MSD	BP024880.D	06/09/2025	16:55

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2202 SAS No.: Q2202 SDG NO.: Q2202

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/06/2025

Lab File ID: BF142640.D Time Analyzed: 11:36

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	126582	6.893	487381	8.18	254808	9.94
	UPPER LIMIT	253164	7.393	974762	8.681	509616	10.439
	LOWER LIMIT	63291	6.393	243691	7.681	127404	9.439
	EPA SAMPLE NO.						
01	MW-12-20250603	126541	6.89	428600	8.19	250553	9.93

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: CHEMTECH

Lab Code: CHEM Case No.: Q2202 SAS No.: Q2202 SDG NO.: Q2202

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/06/2025

Lab File ID: BF142640.D Time Analyzed: 11:36

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	375492	11.428	207998	14.069	270482	15.563
	UPPER LIMIT	750984	11.928	415996	14.569	540964	16.063
	LOWER LIMIT	187746	10.928	103999	13.569	135241	15.063
	EPA SAMPLE NO.						
01	MW-12-20250603	375437	11.42	233261	14.06	275077	15.56

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: CHEMTECH

Lab Code: CHEM Case No.: Q2202 SAS No.: Q2202 SDG NO.: Q2202

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/10/2025

Lab File ID: BM050262.D Time Analyzed: 04:48

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	460715	7.763	1877130	10.55	1070950	14.40
	UPPER LIMIT	921430	8.263	3754260	11.051	2141900	14.898
	LOWER LIMIT	230358	7.263	938565	10.051	535475	13.898
	EPA SAMPLE NO.						
01	MW-12-20250603DL	334632	7.76	1355550	10.55	770915	14.39

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: CHEMTECH

Lab Code: CHEM Case No.: Q2202 SAS No.: Q2202 SDG NO.: Q2202

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/10/2025

Lab File ID: BM050262.D Time Analyzed: 04:48

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1957350	17.133	1968380	21.368	2090330	24.338
	UPPER LIMIT	3914700	17.633	3936760	21.868	4180660	24.838
	LOWER LIMIT	978675	16.633	984190	20.868	1045170	23.838
	EPA SAMPLE NO.						
01	MW-12-20250603DL	1509250	17.13	1638870	21.36	1724620	24.34

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: CHEMTECH

Lab Code: CHEM Case No.: Q2202 SAS No.: Q2202 SDG NO.: Q2202

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/09/2025

Lab File ID: BP024871.D Time Analyzed: 10:44

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	255229	7.608	1115940	10.38	722087	14.24
	UPPER LIMIT	510458	8.108	2231880	10.878	1444170	14.742
	LOWER LIMIT	127615	7.108	557970	9.878	361044	13.742
	EPA SAMPLE NO.						
01	PB168323BL	278652	7.61	1083870	10.38	655689	14.25
02	PB168323BS	251786	7.61	1016040	10.38	628283	14.25
03	GW-MW01-060425MS	226271	7.61	937705	10.37	608220	14.25
04	GW-MW01-060425MSD	335961	7.61	1346860	10.38	841053	14.25

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: CHEMTECH

Lab Code: CHEM Case No.: Q2202 SAS No.: Q2202 SDG NO.: Q2202

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/09/2025

Lab File ID: BP024871.D Time Analyzed: 10:44

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	1406330	17.048	1456980	21.477	1778910	24.724
	UPPER LIMIT	2812660	17.548	2913960	21.977	3557820	25.224
	LOWER LIMIT	703165	16.548	728490	20.977	889455	24.224
	EPA SAMPLE NO.						
01	PB168323BL	1268480	17.07	1277130	21.49	1472670	24.73
02	PB168323BS	1189380	17.06	1268870	21.48	1547950	24.72
03	GW-MW01-060425MS	1235200	17.04	1490400	21.47	1839740	24.71
04	GW-MW01-060425MSD	1657670	17.04	1681540	21.48	1927040	24.73

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 Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	
Client Sample ID:	PB168323BL	SDG No.:	Q2202
Lab Sample ID:	PB168323BL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024872.D	1	06/06/25 08:35	06/09/25 11:24	PB168323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	3.90	U	3.90	10.0	ug/L
108-95-2	Phenol	0.91	U	0.91	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.81	U	0.81	5.00	ug/L
95-57-8	2-Chlorophenol	0.58	U	0.58	5.00	ug/L
95-48-7	2-Methylphenol	1.10	U	1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.30	U	1.30	5.00	ug/L
98-86-2	Acetophenone	0.74	U	0.74	5.00	ug/L
65794-96-9	3+4-Methylphenols	1.10	U	1.10	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.40	U	1.40	2.50	ug/L
67-72-1	Hexachloroethane	0.65	U	0.65	5.00	ug/L
98-95-3	Nitrobenzene	0.76	U	0.76	5.00	ug/L
78-59-1	Isophorone	0.75	U	0.75	5.00	ug/L
88-75-5	2-Nitrophenol	1.80	U	1.80	5.00	ug/L
105-67-9	2,4-Dimethylphenol	1.90	U	1.90	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	0.68	U	0.68	5.00	ug/L
120-83-2	2,4-Dichlorophenol	0.52	U	0.52	5.00	ug/L
91-20-3	Naphthalene	0.50	U	0.50	5.00	ug/L
106-47-8	4-Chloroaniline	0.84	U	0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	0.54	U	0.54	5.00	ug/L
105-60-2	Caprolactam	1.10	U	1.10	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	0.59	U	0.59	5.00	ug/L
91-57-6	2-Methylnaphthalene	0.56	U	0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	3.60	U	3.60	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	0.51	U	0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	0.62	U	0.62	5.00	ug/L
92-52-4	1,1-Biphenyl	0.53	U	0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	0.61	U	0.61	5.00	ug/L
88-74-4	2-Nitroaniline	1.30	U	1.30	5.00	ug/L
131-11-3	Dimethylphthalate	0.61	U	0.61	5.00	ug/L

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Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	
Client Sample ID:	PB168323BL	SDG No.:	Q2202
Lab Sample ID:	PB168323BL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024872.D	1	06/06/25 08:35	06/09/25 11:24	PB168323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	0.75	U	0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	0.92	U	0.92	5.00	ug/L
99-09-2	3-Nitroaniline	1.10	U	1.10	5.00	ug/L
83-32-9	Acenaphthene	0.55	U	0.55	5.00	ug/L
51-28-5	2,4-Dinitrophenol	6.00	U	6.00	10.0	ug/L
100-02-7	4-Nitrophenol	2.40	U	2.40	10.0	ug/L
132-64-9	Dibenzofuran	0.61	U	0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	1.20	U	1.20	5.00	ug/L
84-66-2	Diethylphthalate	0.69	U	0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.68	U	0.68	5.00	ug/L
86-73-7	Fluorene	0.63	U	0.63	5.00	ug/L
100-01-6	4-Nitroaniline	1.50	U	1.50	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	2.90	U	2.90	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	0.58	U	0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	0.40	U	0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	0.52	U	0.52	5.00	ug/L
1912-24-9	Atrazine	1.00	U	1.00	5.00	ug/L
87-86-5	Pentachlorophenol	1.60	U	1.60	10.0	ug/L
85-01-8	Phenanthrene	0.50	U	0.50	5.00	ug/L
120-12-7	Anthracene	0.61	U	0.61	5.00	ug/L
86-74-8	Carbazole	0.72	U	0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	1.20	U	1.20	5.00	ug/L
206-44-0	Fluoranthene	0.82	U	0.82	5.00	ug/L
129-00-0	Pyrene	0.50	U	0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	1.90	U	1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	0.93	U	0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	0.45	U	0.45	5.00	ug/L
218-01-9	Chrysene	0.44	U	0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.60	U	1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	2.30	U	2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	0.49	U	0.49	5.00	ug/L

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Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	
Client Sample ID:	PB168323BL	SDG No.:	Q2202
Lab Sample ID:	PB168323BL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024872.D	1	06/06/25 08:35	06/09/25 11:24	PB168323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	0.48	U	0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	0.55	U	0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.59	U	0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.67	U	0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	0.69	U	0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	0.52	U	0.52	5.00	ug/L
123-91-1	1,4-Dioxane	1.00	U	1.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.72	U	0.72	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	146		23 - 138	97%	SPK: 150
13127-88-3	Phenol-d6	137		10 - 134	92%	SPK: 150
4165-60-0	Nitrobenzene-d5	85.2		67 - 132	85%	SPK: 100
321-60-8	2-Fluorobiphenyl	84.3		52 - 132	84%	SPK: 100
118-79-6	2,4,6-Tribromophenol	143		44 - 137	95%	SPK: 150
1718-51-0	Terphenyl-d14	90.1		42 - 152	90%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	279000	7.608			
1146-65-2	Naphthalene-d8	1080000	10.378			
15067-26-2	Acenaphthene-d10	656000	14.248			
1517-22-2	Phenanthrene-d10	1270000	17.066			
1719-03-5	Chrysene-d12	1280000	21.489			
1520-96-3	Perylene-d12	1470000	24.73			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	8.90	A		4.78	ug/L

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Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	
Client Sample ID:	PB168323BL	SDG No.:	Q2202
Lab Sample ID:	PB168323BL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024872.D	1	06/06/25 08:35	06/09/25 11:24	PB168323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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 Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	
Client Sample ID:	PB168323BS	SDG No.:	Q2202
Lab Sample ID:	PB168323BS	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024873.D	1	06/06/25 08:35	06/09/25 12:05	PB168323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	36.0		3.90	10.0	ug/L
108-95-2	Phenol	49.0		0.91	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	44.9		0.81	5.00	ug/L
95-57-8	2-Chlorophenol	48.7		0.58	5.00	ug/L
95-48-7	2-Methylphenol	47.4		1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	43.1		1.30	5.00	ug/L
98-86-2	Acetophenone	45.2		0.74	5.00	ug/L
65794-96-9	3+4-Methylphenols	46.7		1.10	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	41.9		1.40	2.50	ug/L
67-72-1	Hexachloroethane	43.8		0.65	5.00	ug/L
98-95-3	Nitrobenzene	46.3		0.76	5.00	ug/L
78-59-1	Isophorone	43.2		0.75	5.00	ug/L
88-75-5	2-Nitrophenol	47.3		1.80	5.00	ug/L
105-67-9	2,4-Dimethylphenol	48.1		1.90	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	45.2		0.68	5.00	ug/L
120-83-2	2,4-Dichlorophenol	49.3		0.52	5.00	ug/L
91-20-3	Naphthalene	45.3		0.50	5.00	ug/L
106-47-8	4-Chloroaniline	20.3		0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	44.9		0.54	5.00	ug/L
105-60-2	Caprolactam	45.7		1.10	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	47.3		0.59	5.00	ug/L
91-57-6	2-Methylnaphthalene	45.0		0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	100	E	3.60	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	48.2		0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	49.6		0.62	5.00	ug/L
92-52-4	1,1-Biphenyl	45.8		0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	46.2		0.61	5.00	ug/L
88-74-4	2-Nitroaniline	48.3		1.30	5.00	ug/L
131-11-3	Dimethylphthalate	44.8		0.61	5.00	ug/L

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Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	
Client Sample ID:	PB168323BS	SDG No.:	Q2202
Lab Sample ID:	PB168323BS	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024873.D	1	06/06/25 08:35	06/09/25 12:05	PB168323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	45.5		0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	46.2		0.92	5.00	ug/L
99-09-2	3-Nitroaniline	25.9		1.10	5.00	ug/L
83-32-9	Acenaphthene	45.2		0.55	5.00	ug/L
51-28-5	2,4-Dinitrophenol	90.6	E	6.00	10.0	ug/L
100-02-7	4-Nitrophenol	91.4	E	2.40	10.0	ug/L
132-64-9	Dibenzofuran	44.3		0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	47.0		1.20	5.00	ug/L
84-66-2	Diethylphthalate	44.3		0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	44.1		0.68	5.00	ug/L
86-73-7	Fluorene	44.7		0.63	5.00	ug/L
100-01-6	4-Nitroaniline	45.1		1.50	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	48.5		2.90	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	46.8		0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	45.8		0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	45.6		0.52	5.00	ug/L
1912-24-9	Atrazine	46.7		1.00	5.00	ug/L
87-86-5	Pentachlorophenol	110	E	1.60	10.0	ug/L
85-01-8	Phenanthrene	45.8		0.50	5.00	ug/L
120-12-7	Anthracene	46.0		0.61	5.00	ug/L
86-74-8	Carbazole	47.4		0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	46.1		1.20	5.00	ug/L
206-44-0	Fluoranthene	45.9		0.82	5.00	ug/L
129-00-0	Pyrene	46.2		0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	46.4		1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	26.4		0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	46.6		0.45	5.00	ug/L
218-01-9	Chrysene	46.4		0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	47.5		1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	48.1		2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	47.3		0.49	5.00	ug/L

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Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	
Client Sample ID:	PB168323BS	SDG No.:	Q2202
Lab Sample ID:	PB168323BS	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024873.D	1	06/06/25 08:35	06/09/25 12:05	PB168323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	47.5		0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	47.7		0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	47.4		0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	47.6		0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	47.6		0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	46.1		0.52	5.00	ug/L
123-91-1	1,4-Dioxane	36.2		1.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	46.9		0.72	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	143		23 - 138	95%	SPK: 150
13127-88-3	Phenol-d6	136		10 - 134	91%	SPK: 150
4165-60-0	Nitrobenzene-d5	79.4		67 - 132	79%	SPK: 100
321-60-8	2-Fluorobiphenyl	77.9		52 - 132	78%	SPK: 100
118-79-6	2,4,6-Tribromophenol	131		44 - 137	88%	SPK: 150
1718-51-0	Terphenyl-d14	79.2		42 - 152	79%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	252000	7.608			
1146-65-2	Naphthalene-d8	1020000	10.378			
15067-26-2	Acenaphthene-d10	628000	14.248			
1517-22-2	Phenanthrene-d10	1190000	17.06			
1719-03-5	Chrysene-d12	1270000	21.483			
1520-96-3	Perylene-d12	1550000	24.724			

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:	06/04/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	06/04/25
Client Sample ID:	GW-MW01-060425MS	SDG No.:	Q2202
Lab Sample ID:	Q2230-03MS	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	960 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024879.D	1	06/06/25 08:35	06/09/25 16:14	PB168323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	39.6		4.10	10.4	ug/L
108-95-2	Phenol	19.1		0.95	5.20	ug/L
111-44-4	bis(2-Chloroethyl)ether	51.3		0.84	5.20	ug/L
95-57-8	2-Chlorophenol	45.5		0.60	5.20	ug/L
95-48-7	2-Methylphenol	38.6		1.20	5.20	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	44.9		1.30	5.20	ug/L
98-86-2	Acetophenone	55.9		0.77	5.20	ug/L
65794-96-9	3+4-Methylphenols	41.2		1.10	10.4	ug/L
621-64-7	n-Nitroso-di-n-propylamine	50.4		1.50	2.60	ug/L
67-72-1	Hexachloroethane	24.9		0.68	5.20	ug/L
98-95-3	Nitrobenzene	54.9		0.79	5.20	ug/L
78-59-1	Isophorone	51.6		0.78	5.20	ug/L
88-75-5	2-Nitrophenol	52.7		1.80	5.20	ug/L
105-67-9	2,4-Dimethylphenol	48.2		1.90	5.20	ug/L
111-91-1	bis(2-Chloroethoxy)methane	52.2		0.71	5.20	ug/L
120-83-2	2,4-Dichlorophenol	53.0		0.54	5.20	ug/L
91-20-3	Naphthalene	42.7		0.52	5.20	ug/L
106-47-8	4-Chloroaniline	31.4		0.88	5.20	ug/L
87-68-3	Hexachlorobutadiene	28.9		0.56	5.20	ug/L
105-60-2	Caprolactam	11.7		1.20	10.4	ug/L
59-50-7	4-Chloro-3-methylphenol	50.6		0.61	5.20	ug/L
91-57-6	2-Methylnaphthalene	48.7		0.58	5.20	ug/L
77-47-4	Hexachlorocyclopentadiene	62.8		3.80	10.4	ug/L
88-06-2	2,4,6-Trichlorophenol	55.7		0.53	5.20	ug/L
95-95-4	2,4,5-Trichlorophenol	57.9		0.65	5.20	ug/L
92-52-4	1,1-Biphenyl	50.2		0.55	5.20	ug/L
91-58-7	2-Chloronaphthalene	48.7		0.64	5.20	ug/L
88-74-4	2-Nitroaniline	51.3		1.30	5.20	ug/L
131-11-3	Dimethylphthalate	54.0		0.64	5.20	ug/L

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Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	06/04/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	06/04/25
Client Sample ID:	GW-MW01-060425MS	SDG No.:	Q2202
Lab Sample ID:	Q2230-03MS	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	960 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024879.D	1	06/06/25 08:35	06/09/25 16:14	PB168323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	50.7		0.78	5.20	ug/L
606-20-2	2,6-Dinitrotoluene	56.1		0.96	5.20	ug/L
99-09-2	3-Nitroaniline	33.9		1.10	5.20	ug/L
83-32-9	Acenaphthene	52.1		0.57	5.20	ug/L
51-28-5	2,4-Dinitrophenol	100	E	6.20	10.4	ug/L
100-02-7	4-Nitrophenol	48.3		2.50	10.4	ug/L
132-64-9	Dibenzofuran	52.6		0.64	5.20	ug/L
121-14-2	2,4-Dinitrotoluene	60.2		1.30	5.20	ug/L
84-66-2	Diethylphthalate	56.7		0.72	5.20	ug/L
7005-72-3	4-Chlorophenyl-phenylether	53.6		0.71	5.20	ug/L
86-73-7	Fluorene	53.8		0.66	5.20	ug/L
100-01-6	4-Nitroaniline	47.0		1.60	5.20	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	53.6		3.00	10.4	ug/L
86-30-6	n-Nitrosodiphenylamine	52.4		0.60	5.20	ug/L
101-55-3	4-Bromophenyl-phenylether	53.0		0.42	5.20	ug/L
118-74-1	Hexachlorobenzene	53.4		0.54	5.20	ug/L
1912-24-9	Atrazine	57.8		1.10	5.20	ug/L
87-86-5	Pentachlorophenol	140	E	1.60	10.4	ug/L
85-01-8	Phenanthrene	53.7		0.52	5.20	ug/L
120-12-7	Anthracene	53.8		0.64	5.20	ug/L
86-74-8	Carbazole	57.9		0.75	5.20	ug/L
84-74-2	Di-n-butylphthalate	58.4		1.30	5.20	ug/L
206-44-0	Fluoranthene	57.7		0.85	5.20	ug/L
129-00-0	Pyrene	51.4		0.52	5.20	ug/L
85-68-7	Butylbenzylphthalate	56.8		2.00	5.20	ug/L
91-94-1	3,3-Dichlorobenzidine	19.1		0.97	10.4	ug/L
56-55-3	Benzo(a)anthracene	54.6		0.47	5.20	ug/L
218-01-9	Chrysene	53.4		0.46	5.20	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	57.3		1.70	5.20	ug/L
117-84-0	Di-n-octyl phthalate	58.4		2.40	10.4	ug/L
205-99-2	Benzo(b)fluoranthene	56.2		0.51	5.20	ug/L

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Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	06/04/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	06/04/25
Client Sample ID:	GW-MW01-060425MS	SDG No.:	Q2202
Lab Sample ID:	Q2230-03MS	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	960 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024879.D	1	06/06/25 08:35	06/09/25 16:14	PB168323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	53.1		0.50	5.20	ug/L
50-32-8	Benzo(a)pyrene	54.1		0.57	5.20	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	56.3		0.61	5.20	ug/L
53-70-3	Dibenzo(a,h)anthracene	57.5		0.70	5.20	ug/L
191-24-2	Benzo(g,h,i)perylene	56.4		0.72	5.20	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	46.6		0.54	5.20	ug/L
123-91-1	1,4-Dioxane	18.1		1.00	5.20	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	57.7		0.75	5.20	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	79.2		23 - 138	53%	SPK: 150
13127-88-3	Phenol-d6	50.7		10 - 134	34%	SPK: 150
4165-60-0	Nitrobenzene-d5	90.5		67 - 132	91%	SPK: 100
321-60-8	2-Fluorobiphenyl	85.6		52 - 132	86%	SPK: 100
118-79-6	2,4,6-Tribromophenol	162		44 - 137	108%	SPK: 150
1718-51-0	Terphenyl-d14	80.4		42 - 152	80%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	226000	7.608			
1146-65-2	Naphthalene-d8	938000	10.372			
15067-26-2	Acenaphthene-d10	608000	14.248			
1517-22-2	Phenanthrene-d10	1240000	17.042			
1719-03-5	Chrysene-d12	1490000	21.471			
1520-96-3	Perylene-d12	1840000	24.713			

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:	06/04/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	06/04/25
Client Sample ID:	GW-MW01-060425MSD	SDG No.:	Q2202
Lab Sample ID:	Q2230-04MSD	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	940 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024880.D	1	06/06/25 08:35	06/09/25 16:55	PB168323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	38.8		4.20	10.6	ug/L
108-95-2	Phenol	18.1		0.97	5.30	ug/L
111-44-4	bis(2-Chloroethyl)ether	50.2		0.86	5.30	ug/L
95-57-8	2-Chlorophenol	43.6		0.62	5.30	ug/L
95-48-7	2-Methylphenol	37.0		1.20	5.30	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	44.5		1.40	5.30	ug/L
98-86-2	Acetophenone	55.5		0.79	5.30	ug/L
65794-96-9	3+4-Methylphenols	38.5		1.20	10.6	ug/L
621-64-7	n-Nitroso-di-n-propylamine	48.1		1.50	2.70	ug/L
67-72-1	Hexachloroethane	24.9		0.69	5.30	ug/L
98-95-3	Nitrobenzene	54.8		0.81	5.30	ug/L
78-59-1	Isophorone	51.1		0.80	5.30	ug/L
88-75-5	2-Nitrophenol	52.9		1.90	5.30	ug/L
105-67-9	2,4-Dimethylphenol	46.9		2.00	5.30	ug/L
111-91-1	bis(2-Chloroethoxy)methane	52.7		0.72	5.30	ug/L
120-83-2	2,4-Dichlorophenol	51.8		0.55	5.30	ug/L
91-20-3	Naphthalene	42.1		0.53	5.30	ug/L
106-47-8	4-Chloroaniline	28.9		0.89	5.30	ug/L
87-68-3	Hexachlorobutadiene	30.1		0.57	5.30	ug/L
105-60-2	Caprolactam	10.8		1.20	10.6	ug/L
59-50-7	4-Chloro-3-methylphenol	48.9		0.63	5.30	ug/L
91-57-6	2-Methylnaphthalene	48.6		0.60	5.30	ug/L
77-47-4	Hexachlorocyclopentadiene	70.7		3.90	10.6	ug/L
88-06-2	2,4,6-Trichlorophenol	56.6		0.54	5.30	ug/L
95-95-4	2,4,5-Trichlorophenol	57.7		0.66	5.30	ug/L
92-52-4	1,1-Biphenyl	52.0		0.56	5.30	ug/L
91-58-7	2-Chloronaphthalene	50.5		0.65	5.30	ug/L
88-74-4	2-Nitroaniline	49.4		1.30	5.30	ug/L
131-11-3	Dimethylphthalate	53.9		0.65	5.30	ug/L

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Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	06/04/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	06/04/25
Client Sample ID:	GW-MW01-060425MSD	SDG No.:	Q2202
Lab Sample ID:	Q2230-04MSD	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	940 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024880.D	1	06/06/25 08:35	06/09/25 16:55	PB168323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	51.1		0.80	5.30	ug/L
606-20-2	2,6-Dinitrotoluene	55.7		0.98	5.30	ug/L
99-09-2	3-Nitroaniline	32.5		1.10	5.30	ug/L
83-32-9	Acenaphthene	52.7		0.59	5.30	ug/L
51-28-5	2,4-Dinitrophenol	110	E	6.40	10.6	ug/L
100-02-7	4-Nitrophenol	45.5		2.50	10.6	ug/L
132-64-9	Dibenzofuran	52.6		0.65	5.30	ug/L
121-14-2	2,4-Dinitrotoluene	57.4		1.30	5.30	ug/L
84-66-2	Diethylphthalate	56.7		0.73	5.30	ug/L
7005-72-3	4-Chlorophenyl-phenylether	54.1		0.72	5.30	ug/L
86-73-7	Fluorene	53.9		0.67	5.30	ug/L
100-01-6	4-Nitroaniline	44.3		1.60	5.30	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	56.0		3.10	10.6	ug/L
86-30-6	n-Nitrosodiphenylamine	53.2		0.62	5.30	ug/L
101-55-3	4-Bromophenyl-phenylether	56.8		0.43	5.30	ug/L
118-74-1	Hexachlorobenzene	55.5		0.55	5.30	ug/L
1912-24-9	Atrazine	57.4		1.10	5.30	ug/L
87-86-5	Pentachlorophenol	140	E	1.70	10.6	ug/L
85-01-8	Phenanthrene	53.6		0.53	5.30	ug/L
120-12-7	Anthracene	53.0		0.65	5.30	ug/L
86-74-8	Carbazole	54.8		0.77	5.30	ug/L
84-74-2	Di-n-butylphthalate	59.9		1.30	5.30	ug/L
206-44-0	Fluoranthene	54.9		0.87	5.30	ug/L
129-00-0	Pyrene	56.8		0.53	5.30	ug/L
85-68-7	Butylbenzylphthalate	63.2		2.10	5.30	ug/L
91-94-1	3,3-Dichlorobenzidine	18.2		0.99	10.6	ug/L
56-55-3	Benzo(a)anthracene	55.1		0.48	5.30	ug/L
218-01-9	Chrysene	54.7		0.47	5.30	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	66.5		1.70	5.30	ug/L
117-84-0	Di-n-octyl phthalate	64.9		2.50	10.6	ug/L
205-99-2	Benzo(b)fluoranthene	56.0		0.52	5.30	ug/L

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Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	06/04/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	06/04/25
Client Sample ID:	GW-MW01-060425MSD	SDG No.:	Q2202
Lab Sample ID:	Q2230-04MSD	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	940 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024880.D	1	06/06/25 08:35	06/09/25 16:55	PB168323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	55.1		0.51	5.30	ug/L
50-32-8	Benzo(a)pyrene	54.8		0.59	5.30	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	55.3		0.63	5.30	ug/L
53-70-3	Dibenzo(a,h)anthracene	55.8		0.71	5.30	ug/L
191-24-2	Benzo(g,h,i)perylene	54.4		0.73	5.30	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	48.8		0.55	5.30	ug/L
123-91-1	1,4-Dioxane	19.4		1.10	5.30	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	57.1		0.77	5.30	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	74.2		23 - 138	49%	SPK: 150
13127-88-3	Phenol-d6	46.3		10 - 134	31%	SPK: 150
4165-60-0	Nitrobenzene-d5	88.0		67 - 132	88%	SPK: 100
321-60-8	2-Fluorobiphenyl	85.9		52 - 132	86%	SPK: 100
118-79-6	2,4,6-Tribromophenol	159		44 - 137	106%	SPK: 150
1718-51-0	Terphenyl-d14	89.3		42 - 152	89%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	336000	7.608			
1146-65-2	Naphthalene-d8	1350000	10.378			
15067-26-2	Acenaphthene-d10	841000	14.248			
1517-22-2	Phenanthrene-d10	1660000	17.042			
1719-03-5	Chrysene-d12	1680000	21.477			
1520-96-3	Perylene-d12	1930000	24.73			

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-BF052025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue May 20 16:26:47 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF142467.D 5 =BF142468.D 10 =BF142469.D 20 =BF142470.D 40 =BF142471.D 50 =BF142472.D 60 =BF142473.D 80 =BF1424
74.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.493	0.460	0.474	0.458	0.500	0.486	0.456	0.475	3.79
3)		Pyridine		1.237	1.150	1.212	1.170	1.273	1.234	1.190	1.210	3.52
4)		n-Nitrosodimet...		0.612	0.593	0.627	0.619	0.673	0.652	0.621	0.628	4.21
5)	S	2-Fluorophenol		1.264	1.214	1.225	1.125	1.220	1.164	1.098	1.187	5.03
6)		Aniline		2.044	1.889	1.963	1.844	1.993	1.910	1.808	1.921	4.35
7)	S	Phenol-d6		1.530	1.449	1.459	1.367	1.467	1.403	1.328	1.429	4.77
8)		2-Chlorophenol		1.345	1.293	1.315	1.252	1.338	1.285	1.223	1.293	3.44
9)		Benzaldehyde		1.035	0.975	0.969	0.817	0.872	0.758	0.591	0.859	17.81
10)	C	Phenol		1.716	1.621	1.646	1.530	1.657	1.597	1.487	1.608	4.85
11)		bis(2-Chloroet...		1.202	1.155	1.168	1.108	1.209	1.156	1.105	1.157	3.52
12)		1,3-Dichlorobe...		1.562	1.470	1.473	1.389	1.482	1.407	1.317	1.443	5.48
13)	C	1,4-Dichlorobe...		1.540	1.476	1.491	1.407	1.495	1.430	1.335	1.453	4.70
14)		1,2-Dichlorobe...		1.495	1.405	1.436	1.327	1.432	1.357	1.284	1.391	5.20
15)		Benzyl Alcohol		1.059	1.024	1.058	1.021	1.131	1.073	1.026	1.056	3.69
16)		2,2'-oxybis(1-...		2.082	1.978	1.983	1.868	2.011	1.898	1.786	1.944	5.11
17)		2-Methylphenol		1.040	0.992	1.026	0.976	1.053	1.015	0.965	1.010	3.27
18)		Hexachloroethane		0.533	0.503	0.523	0.489	0.529	0.497	0.477	0.507	4.23
19)	P	n-Nitroso-di-n...	0.923	0.941	0.880	0.900	0.843	0.912	0.866	0.819	0.886	4.69
20)		3+4-Methylphenols		1.412	1.319	1.337	1.246	1.337	1.250	1.149	1.293	6.59
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.480	0.453	0.459	0.429	0.452	0.428	0.399	0.443	5.98
23)	S	Nitrobenzene-d5		0.376	0.365	0.379	0.356	0.382	0.363	0.347	0.367	3.51
24)		Nitrobenzene		0.338	0.328	0.338	0.323	0.343	0.331	0.316	0.331	2.94
25)		Isophorone		0.636	0.615	0.620	0.593	0.638	0.607	0.585	0.613	3.26
26)	C	2-Nitrophenol		0.167	0.170	0.180	0.175	0.190	0.182	0.173	0.177	4.44
27)		2,4-Dimethylph...		0.315	0.315	0.318	0.303	0.325	0.312	0.295	0.312	3.22
28)		bis(2-Chloroet...		0.406	0.394	0.394	0.364	0.391	0.375	0.358	0.383	4.63
29)	C	2,4-Dichloroph...		0.288	0.282	0.290	0.276	0.300	0.283	0.266	0.283	3.74
30)		1,2,4-Trichlor...		0.325	0.313	0.317	0.295	0.320	0.300	0.284	0.308	4.89
31)		Naphthalene		1.061	1.021	1.020	0.941	1.007	0.953	0.891	0.985	5.94
32)		Benzoic acid			0.153	0.176	0.188	0.211	0.209	0.201	0.190	11.73
33)		4-Chloroaniline		0.424	0.409	0.416	0.389	0.415	0.397	0.343	0.399	6.87
34)	C	Hexachlorobuta...		0.203	0.192	0.197	0.187	0.198	0.192	0.176	0.192	4.52
35)		Caprolactam		0.081	0.076	0.083	0.079	0.085	0.078	0.076	0.080	4.29
36)	C	4-Chloro-3-met...		0.304	0.290	0.299	0.282	0.301	0.287	0.271	0.291	4.02
37)		2-Methylnaphth...		0.679	0.638	0.646	0.590	0.631	0.598	0.556	0.620	6.62
38)		1-Methylnaphth...		0.703	0.668	0.672	0.615	0.650	0.611	0.566	0.641	7.19

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF052025.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.592	0.580	0.588	0.552	0.592	0.573	0.544	0.574	3.39
41)	P	Hexachlorocycl...	0.318	0.350	0.383	0.393	0.430	0.425	0.411	0.387	10.57
42)	S	2,4,6-Tribromo...	0.230	0.225	0.234	0.211	0.233	0.218	0.202	0.222	5.39
43)	C	2,4,6-Trichlor...	0.387	0.373	0.406	0.371	0.406	0.388	0.379	0.387	3.69
44)		2,4,5-Trichlor...	0.410	0.411	0.416	0.395	0.437	0.408	0.381	0.408	4.27
45)	S	2-Fluorobiphenyl	1.726	1.619	1.558	1.387	1.480	1.396	1.268	1.490	10.46
46)		1,1'-Biphenyl	1.672	1.605	1.595	1.480	1.595	1.507	1.408	1.552	5.82
47)		2-Chloronaphth...	1.218	1.170	1.177	1.094	1.183	1.122	1.061	1.146	4.84
48)		2-Nitroaniline	0.333	0.318	0.338	0.324	0.354	0.332	0.320	0.331	3.72
49)		Acenaphthylene	2.064	1.982	2.027	1.851	1.998	1.885	1.745	1.936	5.85
50)		Dimethylphthalate	1.441	1.340	1.367	1.255	1.366	1.256	1.211	1.320	6.16
51)		2,6-Dinitrotol...	0.290	0.283	0.289	0.280	0.302	0.281	0.268	0.285	3.74
52)	C	Acenaphthene	1.259	1.222	1.227	1.120	1.223	1.146	1.077	1.182	5.72
53)		3-Nitroaniline	0.320	0.309	0.327	0.299	0.330	0.305	0.287	0.311	5.02
54)	P	2,4-Dinitrophenol		0.110	0.137	0.149	0.169	0.160	0.158	0.147	14.36
55)		Dibenzofuran	1.886	1.766	1.768	1.606	1.736	1.635	1.509	1.701	7.38
56)	P	4-Nitrophenol	0.221	0.217	0.242	0.227	0.252	0.229	0.220	0.230	5.57
57)		2,4-Dinitrotol...	0.372	0.367	0.387	0.364	0.398	0.372	0.344	0.372	4.62
58)		Fluorene	1.477	1.399	1.372	1.231	1.343	1.238	1.140	1.314	8.85
59)		2,3,4,6-Tetrac...	0.347	0.336	0.360	0.333	0.361	0.333	0.317	0.341	4.71
60)		Diethylphthalate	1.422	1.310	1.359	1.231	1.343	1.218	1.140	1.289	7.51
61)		4-Chlorophenyl...	0.724	0.678	0.676	0.609	0.653	0.612	0.566	0.646	8.25
62)		4-Nitroaniline	0.303	0.283	0.303	0.277	0.294	0.265	0.251	0.282	6.95
63)		Azobenzene	1.239	1.194	1.188	1.107	1.197	1.123	1.055	1.158	5.55
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...	0.086	0.094	0.110	0.115	0.129	0.125	0.123	0.112	14.72
66)	c	n-Nitrosodiphe...	0.712	0.682	0.696	0.649	0.697	0.694	0.660	0.684	3.30
67)		4-Bromophenyl-...	0.240	0.235	0.239	0.222	0.246	0.243	0.230	0.236	3.45
68)		Hexachlorobenzene	0.265	0.267	0.263	0.251	0.273	0.262	0.250	0.262	3.19
69)		Atrazine	0.184	0.174	0.186	0.178	0.196	0.181	0.174	0.182	4.29
70)	C	Pentachlorophenol	0.130	0.135	0.149	0.147	0.162	0.157	0.154	0.148	7.88
71)		Phenanthrene	1.196	1.094	1.100	1.012	1.085	1.033	0.964	1.069	7.00
72)		Anthracene	1.191	1.132	1.124	1.036	1.110	1.048	0.996	1.091	6.15
73)		Carbazole	1.030	0.968	0.982	0.889	0.950	0.877	0.832	0.933	7.39
74)		Di-n-butylphth...	1.108	1.039	1.083	0.976	1.059	0.974	0.908	1.021	6.95
75)	C	Fluoranthene	1.177	1.081	1.052	0.938	0.997	0.901	0.846	0.999	11.41
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.670	0.782	0.903	0.797	0.805	0.698	0.556	0.744	15.12
78)		Pyrene	1.929	1.967	2.066	1.859	1.959	1.773	1.507	1.866	9.79
79)	S	Terphenyl-d14	1.624	1.582	1.660	1.423	1.492	1.337	1.126	1.464	12.80
80)		Butylbenzylpht...	0.462	0.453	0.525	0.526	0.575	0.550	0.517	0.516	8.54
81)		Benzo(a)anthra...	1.424	1.287	1.403	1.278	1.391	1.327	1.238	1.336	5.36
82)		3,3'-Dichlorob...	0.360	0.364	0.402	0.407	0.444	0.442	0.417	0.405	8.30
83)		Chrysene	1.222	1.204	1.193	1.145	1.255	1.223	1.158	1.200	3.20
84)		Bis(2-ethylhex...	0.510	0.548	0.618	0.673	0.765	0.778	0.727	0.660	15.91
85)	c	Di-n-octyl pht...		0.958	1.108	1.266	1.432	1.542	1.437	1.290	17.30

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF052025.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.421	1.495	1.583	1.448	1.583	1.546	1.434	1.501	4.64
88)		Benzo(b)fluora...	1.317	1.105	1.293	1.126	1.209	1.122	1.114	1.184	7.62
89)		Benzo(k)fluora...	1.191	1.166	1.032	1.042	1.178	1.128	1.023	1.109	6.68
90)	C	Benzo(a)pyrene	1.154	1.081	1.114	1.081	1.185	1.133	1.062	1.116	4.00
91)		Dibenzo(a,h)an...	1.152	1.228	1.275	1.184	1.290	1.245	1.149	1.218	4.67
92)		Benzo(g,h,i)pe...	1.154	1.220	1.270	1.180	1.299	1.245	1.158	1.218	4.64

(#) = Out of Range

Response Factor Report BNA_M

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM060525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Jun 05 16:20:25 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BM050194.D 5 =BM050195.D 10 =BM050196.D 20 =BM050197.D 40 =BM050198.D 50 =BM050199.D 60 =BM050200.D 80 =BM0502
01.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.597	0.552	0.516	0.479	0.511	0.536	0.488	0.526	7.69
3)		Pyridine		1.353	1.352	1.370	1.311	1.425	1.389	1.326	1.361	2.80
4)		n-Nitrosodimet...		0.283	0.265	0.279	0.272	0.297	0.293	0.282	0.281	3.95
5)	S	2-Fluorophenol		1.251	1.193	1.192	1.145	1.238	1.224	1.150	1.199	3.45
6)		Aniline		2.033	2.016	2.147	2.065	2.250	2.064	2.031	2.086	4.02
7)	S	Phenol-d6		1.569	1.521	1.617	1.565	1.699	1.560	1.516	1.578	4.00
8)		2-Chlorophenol		1.289	1.259	1.344	1.295	1.418	1.338	1.288	1.319	4.02
9)		Benzaldehyde		1.188	1.080	1.096	0.878	0.975	0.804		1.003	14.43
10)	C	Phenol		1.673	1.644	1.710	1.644	1.782	1.637	1.600	1.670	3.58
11)		bis(2-Chloroet...		1.396	1.319	1.380	1.315	1.428	1.295	1.269	1.343	4.36
12)		1,3-Dichlorobe...		1.516	1.462	1.491	1.412	1.545	1.485	1.409	1.474	3.46
13)	C	1,4-Dichlorobe...		1.619	1.544	1.564	1.450	1.591	1.525	1.444	1.534	4.34
14)		1,2-Dichlorobe...		1.503	1.456	1.492	1.402	1.540	1.450	1.392	1.462	3.68
15)		Benzyl Alcohol		1.072	1.045	1.152	1.141	1.267	1.102	1.101	1.126	6.43
16)		2,2'-oxybis(1-...		1.012	0.949	0.974	0.909	0.978	0.863	0.845	0.933	6.68
17)		2-Methylphenol		1.078	1.042	1.133	1.108	1.207	1.077	1.068	1.102	4.96
18)		Hexachloroethane		0.564	0.544	0.552	0.533	0.593	0.559	0.543	0.556	3.51
19)	P	n-Nitroso-di-n...	0.847	0.944	0.947	1.072	1.001	1.096	0.906	0.913	0.966	8.82
20)		3+4-Methylphenols		1.367	1.375	1.533	1.509	1.661	1.437	1.438	1.474	6.98
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.515	0.506	0.517	0.476	0.519	0.495	0.470	0.500	4.03
23)	S	Nitrobenzene-d5		0.359	0.362	0.392	0.377	0.414	0.406	0.382	0.385	5.42
24)		Nitrobenzene		0.333	0.337	0.359	0.339	0.370	0.363	0.347	0.350	4.10
25)		Isophorone		0.647	0.624	0.685	0.659	0.733	0.652	0.646	0.664	5.33
26)	C	2-Nitrophenol		0.116	0.124	0.146	0.155	0.178	0.169	0.169	0.151	15.65
27)		2,4-Dimethylph...		0.311	0.298	0.315	0.303	0.332	0.313	0.299	0.310	3.80
28)		bis(2-Chloroet...		0.426	0.413	0.447	0.427	0.470	0.432	0.420	0.434	4.42
29)	C	2,4-Dichloroph...		0.265	0.262	0.289	0.286	0.319	0.300	0.289	0.287	6.83
30)		1,2,4-Trichlor...		0.324	0.307	0.321	0.305	0.337	0.330	0.312	0.319	3.72
31)		Naphthalene		1.111	1.041	1.056	0.977	1.061	1.025	0.969	1.034	4.79
32)		Benzoic acid			0.127	0.176	0.204	0.233	0.211	0.219	0.195	19.69
33)		4-Chloroaniline		0.438	0.423	0.454	0.433	0.477	0.440	0.422	0.441	4.37
34)	C	Hexachlorobuta...		0.188	0.184	0.189	0.182	0.202	0.197	0.188	0.190	3.74
35)		Caprolactam		0.077	0.077	0.093	0.097	0.112	0.092	0.090	0.091	13.48
36)	C	4-Chloro-3-met...		0.293	0.276	0.313	0.313	0.347	0.302	0.299	0.306	7.19
37)		2-Methylnaphth...		0.625	0.592	0.643	0.615	0.679	0.619	0.594	0.624	4.78
38)		1-Methylnaphth...		0.676	0.637	0.689	0.649	0.714	0.648	0.622	0.662	4.86

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM060525.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.586	0.561	0.585	0.541	0.589	0.607	0.574	0.578	3.71
41)	P	Hexachlorocycl...	0.295	0.305	0.339	0.341	0.382	0.401	0.392	0.351	12.02
42)	S	2,4,6-Tribromo...	0.210	0.213	0.238	0.231	0.254	0.233	0.214	0.227	6.99
43)	C	2,4,6-Trichlor...	0.346	0.347	0.379	0.375	0.414	0.402	0.396	0.380	6.93
44)		2,4,5-Trichlor...	0.371	0.382	0.424	0.414	0.457	0.442	0.429	0.417	7.46
45)	S	2-Fluorobiphenyl	1.589	1.536	1.532	1.377	1.463	1.480	1.364	1.477	5.67
46)		1,1'-Biphenyl	1.582	1.513	1.514	1.404	1.526	1.508	1.437	1.498	3.96
47)		2-Chloronaphth...	1.221	1.194	1.180	1.084	1.171	1.177	1.123	1.164	3.94
48)		2-Nitroaniline	0.200	0.206	0.252	0.268	0.302	0.290	0.277	0.256	15.56
49)		Acenaphthylene	1.863	1.834	1.940	1.819	1.978	1.924	1.824	1.883	3.39
50)		Dimethylphthalate	1.339	1.285	1.398	1.343	1.474	1.344	1.284	1.353	4.92
51)		2,6-Dinitrotol...	0.204	0.231	0.284	0.289	0.320	0.297	0.284	0.273	14.82
52)	C	Acenaphthene	1.217	1.176	1.185	1.132	1.228	1.181	1.127	1.178	3.24
53)		3-Nitroaniline	0.231	0.252	0.312	0.323	0.360	0.336	0.314	0.304	15.16
54)	P	2,4-Dinitrophenol		0.093	0.131	0.152	0.179	0.160	0.160	0.146	20.67
55)		Dibenzofuran	1.782	1.710	1.775	1.662	1.797	1.719	1.617	1.723	3.87
56)	P	4-Nitrophenol	0.199	0.216	0.265	0.274	0.307	0.288	0.262	0.259	14.93
57)		2,4-Dinitrotol...	0.250	0.283	0.365	0.396	0.447	0.398	0.380	0.360	19.28
58)		Fluorene	1.413	1.358	1.394	1.267	1.348	1.289	1.169	1.320	6.40
59)		2,3,4,6-Tetrac...	0.338	0.330	0.370	0.365	0.401	0.371	0.350	0.361	6.60
60)		Diethylphthalate	1.314	1.272	1.416	1.346	1.490	1.317	1.238	1.342	6.43
61)		4-Chlorophenyl...	0.675	0.656	0.667	0.611	0.660	0.623	0.573	0.638	5.81
62)		4-Nitroaniline	0.213	0.236	0.291	0.308	0.342	0.319	0.285	0.285	16.00
63)		Azobenzene	1.342	1.330	1.415	1.313	1.443	1.316	1.230	1.341	5.25
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.075	0.101	0.111	0.128	0.120	0.121	0.109	17.72
66)	c	n-Nitrosodiphe...	0.630	0.626	0.639	0.594	0.646	0.639	0.625	0.628	2.73
67)		4-Bromophenyl-...	0.207	0.204	0.215	0.204	0.228	0.217	0.218	0.213	4.13
68)		Hexachlorobenzene	0.249	0.240	0.253	0.238	0.261	0.255	0.249	0.249	3.29
69)		Atrazine	0.166	0.177	0.206	0.206	0.231	0.212	0.204	0.200	10.86
70)	C	Pentachlorophenol	0.133	0.138	0.165	0.164	0.187	0.177	0.171	0.162	12.21
71)		Phenanthrene	1.239	1.156	1.160	1.071	1.161	1.144	1.068	1.143	5.14
72)		Anthracene	1.167	1.135	1.175	1.086	1.181	1.165	1.092	1.143	3.46
73)		Carbazole	1.041	1.003	1.063	1.009	1.103	1.085	0.985	1.041	4.30
74)		Di-n-butylphth...	0.998	1.007	1.187	1.159	1.300	1.187	1.093	1.133	9.53
75)	C	Fluoranthene	1.180	1.139	1.231	1.178	1.301	1.284	1.121	1.205	5.77
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.381	0.568	0.617	0.689	0.600	0.520	0.562	18.64
78)		Pyrene	1.331	1.307	1.444	1.324	1.423	1.274	1.334	1.348	4.61
79)	S	Terphenyl-d14	1.148	1.088	1.165	1.010	1.064	0.955	0.957	1.055	8.06
80)		Butylbenzylpht...	0.322	0.347	0.460	0.490	0.563	0.480	0.485	0.450	18.95
81)		Benzo(a)anthra...	1.271	1.231	1.298	1.218	1.338	1.280	1.225	1.266	3.47
82)		3,3'-Dichlorob...	0.265	0.301	0.379	0.415	0.476	0.450	0.416	0.386	19.97
83)		Chrysene	1.235	1.184	1.225	1.151	1.256	1.217	1.161	1.204	3.27
84)		Bis(2-ethylhex...	0.525	0.574	0.702	0.740	0.851	0.741	0.714	0.693	15.84
85)	c	Di-n-octyl pht...	0.641	0.729	0.936	1.114	1.359	1.245	1.169	1.028	26.08

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM060525.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.189	1.183	1.254	1.191	1.318	1.472	1.407	1.288	8.99
88)		Benzo(b)fluora...	1.104	1.082	1.205	1.170	1.269	1.178	1.132	1.163	5.46
89)		Benzo(k)fluora...	1.141	1.149	1.222	1.167	1.295	1.190	1.144	1.187	4.71
90)	C	Benzo(a)pyrene	0.994	1.007	1.111	1.081	1.197	1.153	1.111	1.093	6.73
91)		Dibenzo(a,h)an...	0.954	0.966	1.021	0.972	1.075	1.188	1.141	1.045	8.83
92)		Benzo(g,h,i)pe...	1.002	0.978	1.013	0.954	1.037	1.194	1.146	1.046	8.57

(#) = Out of Range

Response Factor Report MSBNA_P

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP060625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Jun 06 16:20:27 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BP024860.D 5 =BP024861.D 10 =BP024862.D 20 =BP024863.D 40 =BP024864.D 50 =BP024865.D 60 =BP024866.D 80 =BP0248
67.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.564	0.529	0.524	0.495	0.546	0.515	0.517	0.527	4.21
3)		Pyridine		1.151	1.183	1.265	1.226	1.370	1.367	1.315	1.268	6.84
4)		n-Nitrosodimet...			0.478	0.509	0.502	0.542	0.554	0.525	0.518	5.36
5)	S	2-Fluorophenol		1.127	1.139	1.207	1.163	1.283	1.253	1.215	1.198	4.85
6)		Aniline		1.917	1.892	2.016	1.978	2.145	2.182	2.031	2.023	5.37
7)	S	Phenol-d6		1.507	1.528	1.588	1.545	1.676	1.689	1.564	1.585	4.49
8)		2-Chlorophenol		1.336	1.290	1.346	1.314	1.453	1.422	1.348	1.358	4.29
9)		Benzaldehyde			1.038	1.071	0.873	0.985	0.869	0.646	0.914	16.98
10)	C	Phenol		1.560	1.564	1.616	1.587	1.725	1.759	1.629	1.634	4.78
11)		bis(2-Chloroet...		1.222	1.277	1.334	1.234	1.363	1.322	1.246	1.285	4.26
12)		1,3-Dichlorobe...		1.570	1.515	1.537	1.425	1.571	1.519	1.471	1.515	3.49
13)	C	1,4-Dichlorobe...		1.596	1.507	1.535	1.439	1.604	1.534	1.488	1.529	3.82
14)		1,2-Dichlorobe...		1.529	1.637	1.488	1.401	1.540	1.492	1.422	1.501	5.25
15)		Benzyl Alcohol			1.137	1.185	1.170	1.289	1.309	1.211	1.217	5.63
16)		2,2'-oxybis(1-...		1.748	1.732	1.722	1.583	1.751	1.667	1.574	1.682	4.54
17)		2-Methylphenol		1.053	1.149	1.138	1.106	1.210	1.211	1.121	1.141	4.94
18)		Hexachloroethane		0.591	0.565	0.581	0.545	0.611	0.574	0.562	0.576	3.73
19)	P	n-Nitroso-di-n...	0.984	1.101	1.105	1.107	1.043	1.141	1.113	1.029	1.078	4.93
20)		3+4-Methylphenols			1.507	1.548	1.493	1.631	1.648	1.515	1.557	4.29
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.506	0.521	0.511	0.491	0.535	0.510	0.463	0.505	4.58
23)	S	Nitrobenzene-d5		0.407	0.397	0.423	0.404	0.444	0.423	0.383	0.412	4.89
24)		Nitrobenzene		0.366	0.351	0.375	0.360	0.392	0.376	0.339	0.366	4.81
25)		Isophorone		0.704	0.678	0.724	0.694	0.764	0.726	0.704	0.713	3.91
26)	C	2-Nitrophenol		0.154	0.157	0.178	0.180	0.201	0.195	0.198	0.180	10.62
27)		2,4-Dimethylph...		0.294	0.286	0.310	0.303	0.331	0.320	0.318	0.309	5.12
28)		bis(2-Chloroet...		0.414	0.408	0.438	0.414	0.465	0.423	0.416	0.426	4.70
29)	C	2,4-Dichloroph...		0.246	0.272	0.300	0.292	0.327	0.313	0.323	0.296	9.81
30)		1,2,4-Trichlor...		0.335	0.319	0.335	0.317	0.352	0.330	0.351	0.334	4.16
31)		Naphthalene		1.071	1.022	1.044	0.989	1.079	1.035	0.935	1.025	4.86
32)		Benzoic acid			0.159	0.181	0.204	0.230	0.235	0.243	0.209	16.01
33)		4-Chloroaniline		0.397	0.401	0.435	0.426	0.471	0.463	0.414	0.429	6.72
34)	C	Hexachlorobuta...		0.203	0.199	0.208	0.194	0.218	0.198	0.189	0.201	4.76
35)		Caprolactam			0.098	0.109	0.110	0.118	0.116	0.104	0.109	6.91
36)	C	4-Chloro-3-met...		0.312	0.322	0.351	0.341	0.374	0.363	0.329	0.342	6.58
37)		2-Methylnaphth...		0.659	0.638	0.659	0.633	0.696	0.664	0.602	0.650	4.54
38)		1-Methylnaphth...		0.720	0.680	0.718	0.671	0.741	0.693	0.643	0.695	4.86

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP060625.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.568	0.561	0.568	0.538	0.601	0.574	0.562	0.568	3.31
41)	P	Hexachlorocycl...		0.259	0.315	0.337	0.404	0.369	0.394	0.346	15.74
42)	S	2,4,6-Tribromo...	0.256	0.264	0.279	0.267	0.298	0.286	0.285	0.277	5.26
43)	C	2,4,6-Trichlor...	0.342	0.352	0.386	0.375	0.411	0.404	0.396	0.381	6.86
44)		2,4,5-Trichlor...	0.349	0.379	0.414	0.405	0.448	0.436	0.426	0.408	8.44
45)	S	2-Fluorobiphenyl	1.542	1.507	1.517	1.390	1.563	1.464	1.409	1.485	4.44
46)		1,1'-Biphenyl	1.477	1.456	1.485	1.386	1.509	1.458	1.403	1.453	3.05
47)		2-Chloronaphth...	1.123	1.104	1.135	1.069	1.171	1.136	1.081	1.117	3.16
48)		2-Nitroaniline	0.289	0.324	0.344	0.346	0.371	0.374	0.355	0.343	8.59
49)		Acenaphthylene	1.880	1.851	1.892	1.768	1.939	1.904	1.805	1.863	3.19
50)		Dimethylphthalate	1.515	1.450	1.501	1.400	1.550	1.473	1.438	1.475	3.45
51)		2,6-Dinitrotol...	0.299	0.301	0.326	0.312	0.339	0.333	0.317	0.318	4.86
52)	C	Acenaphthene	1.106	1.064	1.090	1.020	1.087	1.069	1.036	1.067	2.86
53)		3-Nitroaniline	0.263	0.292	0.337	0.338	0.367	0.364	0.349	0.330	11.74
54)	P	2,4-Dinitrophenol		0.117	0.155	0.179	0.203	0.208	0.205	0.178	20.23
55)		Dibenzofuran	1.815	1.721	1.756	1.627	1.757	1.702	1.615	1.713	4.22
56)	P	4-Nitrophenol		0.142	0.213	0.248	0.276	0.281	0.275	0.239	22.62
57)		2,4-Dinitrotol...	0.390	0.416	0.457	0.437	0.487	0.470	0.458	0.445	7.45
58)		Fluorene	1.437	1.394	1.420	1.304	1.434	1.370	1.329	1.384	3.77
59)		2,3,4,6-Tetrac...	0.343	0.350	0.360	0.354	0.395	0.381	0.370	0.365	5.04
60)		Diethylphthalate	1.501	1.474	1.487	1.393	1.545	1.444	1.449	1.470	3.27
61)		4-Chlorophenyl...	0.711	0.668	0.689	0.637	0.709	0.665	0.658	0.677	4.06
62)		4-Nitroaniline	0.239	0.235	0.307	0.311	0.336	0.333	0.334	0.299	14.69
63)		Azobenzene	1.346	1.334	1.394	1.300	1.425	1.335	1.307	1.349	3.37
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.102	0.125	0.130	0.147	0.143	0.142	0.131	12.78
66)	c	n-Nitrosodiphe...	0.627	0.608	0.633	0.597	0.659	0.622	0.594	0.620	3.68
67)		4-Bromophenyl-...	0.224	0.215	0.226	0.213	0.246	0.229	0.226	0.226	4.83
68)		Hexachlorobenzene	0.278	0.268	0.272	0.260	0.290	0.275	0.272	0.274	3.31
69)		Atrazine	0.213	0.212	0.231	0.217	0.244	0.228	0.228	0.225	5.16
70)	C	Pentachlorophenol		0.105	0.131	0.139	0.162	0.153	0.159	0.142	15.21
71)		Phenanthrene	1.158	1.108	1.110	1.056	1.161	1.102	1.041	1.105	4.12
72)		Anthracene	1.129	1.093	1.137	1.072	1.188	1.133	1.083	1.119	3.58
73)		Carbazole	1.023	1.013	1.057	0.998	1.112	1.052	1.007	1.038	3.83
74)		Di-n-butylphth...	1.178	1.245	1.326	1.272	1.421	1.273	1.284	1.285	5.81
75)	C	Fluoranthene	1.300	1.287	1.307	1.223	1.344	1.268	1.238	1.281	3.25
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.512	0.669	0.653	0.690	0.663	0.529	0.619	12.54
78)		Pyrene	1.307	1.195	1.261	1.184	1.322	1.272	1.206	1.249	4.41
79)	S	Terphenyl-d14	1.178	1.073	1.146	1.089	1.164	1.120	1.039	1.116	4.57
80)		Butylbenzylpht...	0.508	0.529	0.581	0.561	0.641	0.596	0.589	0.572	7.74
81)		Benzo(a)anthra...	1.312	1.234	1.288	1.219	1.347	1.310	1.243	1.279	3.73
82)		3,3'-Dichlorob...		0.468	0.513	0.493	0.542	0.531	0.501	0.508	5.29
83)		Chrysene	1.252	1.174	1.229	1.144	1.279	1.238	1.168	1.212	4.13
84)		Bis(2-ethylhex...	0.715	0.780	0.846	0.797	0.921	0.831	0.850	0.820	7.87
85)	c	Di-n-octyl pht...		1.320	1.438	1.384	1.587	1.470	1.473	1.445	6.25

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP060625.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.427	1.402	1.469	1.412	1.559	1.510	1.436	1.459	3.92
88)		Benzo(b)fluora...	1.103	1.104	1.133	1.127	1.232	1.180	1.133	1.145	4.06
89)		Benzo(k)fluora...	1.165	1.144	1.180	1.106	1.259	1.158	1.144	1.165	4.05
90)	C	Benzo(a)pyrene	1.096	1.069	1.127	1.070	1.214	1.136	1.113	1.118	4.46
91)		Dibenzo(a,h)an...	1.151	1.143	1.202	1.143	1.279	1.224	1.172	1.188	4.25
92)		Benzo(g,h,i)pe...	1.172	1.127	1.183	1.136	1.261	1.214	1.157	1.179	3.95

(#) = Out of Range

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PARS02

Lab Code: CHEM Case No.: Q2202 SAS No.: Q2202 SDG No.: Q2202

Instrument ID: BNA_F Calibration Date/Time: 06/06/2025 11:36

Lab File ID: BF142640.D Init. Calib. Date(s): 05/20/2025 05/20/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:10 15:31

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.187	1.121		-5.6	
Benzaldehyde	0.859	0.766		-10.8	
Phenol-d6	1.429	1.356		-5.1	
Phenol	1.608	1.531		-4.8	20.0
bis(2-Chloroethyl)ether	1.157	1.138		-1.6	
2-Chlorophenol	1.293	1.241		-4.0	
2-Methylphenol	1.010	0.964		-4.6	
2,2-oxybis(1-Chloropropane)	1.944	1.880		-3.3	
Acetophenone	0.443	0.410		-7.4	
3+4-Methylphenols	1.293	1.177		-9.0	
n-Nitroso-di-n-propylamine	0.886	0.812	0.050	-8.4	
Nitrobenzene-d5	0.367	0.343		-6.5	
Hexachloroethane	0.507	0.489		-3.5	
Nitrobenzene	0.331	0.311		-6.0	
Isophorone	0.613	0.566		-7.7	
2-Nitrophenol	0.177	0.174		-1.7	20.0
2,4-Dimethylphenol	0.312	0.292		-6.4	
bis(2-Chloroethoxy)methane	0.383	0.361		-5.7	
2,4-Dichlorophenol	0.283	0.273		-3.5	20.0
Naphthalene	0.985	0.926		-6.0	
4-Chloroaniline	0.399	0.381		-4.5	
Hexachlorobutadiene	0.192	0.181		-5.7	20.0
Caprolactam	0.080	0.071		-11.3	
4-Chloro-3-methylphenol	0.291	0.262		-10.0	20.0
2-Methylnaphthalene	0.620	0.577		-6.9	
Hexachlorocyclopentadiene	0.387	0.355	0.050	-8.3	
2,4,6-Trichlorophenol	0.387	0.375		-3.1	20.0
2-Fluorobiphenyl	1.490	1.353		-9.2	
2,4,5-Trichlorophenol	0.408	0.381		-6.6	
1,1-Biphenyl	1.552	1.469		-5.3	
2-Chloronaphthalene	1.146	1.112		-3.0	
2-Nitroaniline	0.331	0.307		-7.3	
Dimethylphthalate	1.320	1.176		-10.9	
Acenaphthylene	1.936	1.812		-6.4	
2,6-Dinitrotoluene	0.285	0.258		-9.5	
3-Nitroaniline	0.311	0.273		-12.2	
Acenaphthene	1.182	1.087		-8.0	20.0
2,4-Dinitrophenol	0.147	0.127	0.050	-13.6	
4-Nitrophenol	0.230	0.182	0.050	-20.9	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PARS02

Lab Code: CHEM Case No.: Q2202 SAS No.: Q2202 SDG No.: Q2202

Instrument ID: BNA_F Calibration Date/Time: 06/06/2025 11:36

Lab File ID: BF142640.D Init. Calib. Date(s): 05/20/2025 05/20/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:10 15:31

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.701	1.563		-8.1	
2,4-Dinitrotoluene	0.372	0.330		-11.3	
Diethylphthalate	1.289	1.095		-15.1	
4-Chlorophenyl-phenylether	0.646	0.584		-9.6	
Fluorene	1.314	1.186		-9.7	
4-Nitroaniline	0.282	0.233		-17.4	
4,6-Dinitro-2-methylphenol	0.112	0.113		0.9	
n-Nitrosodiphenylamine	0.684	0.680		-0.6	20.0
2,4,6-Tribromophenol	0.222	0.192		-13.5	
4-Bromophenyl-phenylether	0.236	0.239		1.3	
Hexachlorobenzene	0.262	0.263		0.4	
Atrazine	0.182	0.168		-7.7	
Pentachlorophenol	0.148	0.135		-8.8	20.0
Phenanthrene	1.069	1.013		-5.2	
Anthracene	1.091	1.048		-3.9	
Carbazole	0.933	0.847		-9.2	
Di-n-butylphthalate	1.021	0.903		-11.6	
Fluoranthene	0.999	0.880		-11.9	20.0
Pyrene	1.866	1.563		-16.2	
Terphenyl-d14	1.464	1.196		-18.3	
Butylbenzylphthalate	0.516	0.527		2.1	
3,3-Dichlorobenzidine	0.405	0.465		14.8	
Benzo(a)anthracene	1.336	1.219		-8.8	
Chrysene	1.200	1.183		-1.4	
Bis(2-ethylhexyl)phthalate	0.660	0.831		25.9	
Di-n-octyl phthalate	1.290	1.594		23.6	20.0
Benzo(b)fluoranthene	1.184	1.106		-6.6	
Benzo(k)fluoranthene	1.109	0.999		-9.9	
Benzo(a)pyrene	1.116	1.052		-5.7	20.0
Indeno(1,2,3-cd)pyrene	1.501	1.380		-8.1	
Dibenzo(a,h)anthracene	1.218	1.119		-8.1	
Benzo(g,h,i)perylene	1.218	1.111		-8.8	
1,2,4,5-Tetrachlorobenzene	0.574	0.558		-2.8	
1,4-Dioxane	0.475	0.477		0.4	20.0
2,3,4,6-Tetrachlorophenol	0.341	0.306		-10.3	

All other compounds must meet a minimum RRF of 0.010.

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PARS02

Lab Code: CHEM Case No.: Q2202 SAS No.: Q2202 SDG No.: Q2202

Instrument ID: BNA_M Calibration Date/Time: 06/10/2025 04:48

Lab File ID: BM050262.D Init. Calib. Date(s): 06/05/2025 06/05/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:20 13:56

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.199	1.232		2.8	
Benzaldehyde	0.995	0.967		-2.8	
Phenol-d6	1.578	1.600		1.4	
Phenol	1.670	1.704		2.0	20.0
bis(2-Chloroethyl)ether	1.343	1.373		2.2	
2-Chlorophenol	1.319	1.338		1.4	
2-Methylphenol	1.102	1.105		0.3	
2,2-oxybis(1-Chloropropane)	0.933	1.118		19.8	
Acetophenone	0.500	0.498		-0.4	
3+4-Methylphenols	1.474	1.472		-0.1	
n-Nitroso-di-n-propylamine	0.983	1.010	0.050	2.7	
Nitrobenzene-d5	0.385	0.405		5.2	
Hexachloroethane	0.555	0.579		4.3	
Nitrobenzene	0.350	0.366		4.6	
Isophorone	0.664	0.664		0.0	
2-Nitrophenol	0.151	0.156		3.3	20.0
2,4-Dimethylphenol	0.310	0.307		-1.0	
bis(2-Chloroethoxy)methane	0.434	0.449		3.5	
2,4-Dichlorophenol	0.287	0.284		-1.0	20.0
Naphthalene	1.034	1.006		-2.7	
4-Chloroaniline	0.441	0.433		-1.8	
Hexachlorobutadiene	0.190	0.181		-4.7	20.0
Caprolactam	0.091	0.088		-3.3	
4-Chloro-3-methylphenol	0.306	0.302		-1.3	20.0
2-Methylnaphthalene	0.624	0.605		-3.0	
Hexachlorocyclopentadiene	0.351	0.358	0.050	2.0	
2,4,6-Trichlorophenol	0.380	0.384		1.1	20.0
2-Fluorobiphenyl	1.477	1.442		-2.4	
2,4,5-Trichlorophenol	0.417	0.418		0.2	
1,1-Biphenyl	1.498	1.476		-1.5	
2-Chloronaphthalene	1.164	1.145		-1.6	
2-Nitroaniline	0.256	0.296		15.6	
Dimethylphthalate	1.353	1.338		-1.1	
Acenaphthylene	1.883	1.863		-1.1	
2,6-Dinitrotoluene	0.273	0.287		5.1	
3-Nitroaniline	0.304	0.322		5.9	
Acenaphthene	1.178	1.097		-6.9	20.0
2,4-Dinitrophenol	0.146	0.058	0.050	-60.3	
4-Nitrophenol	0.259	0.266	0.050	2.7	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PARS02

Lab Code: CHEM Case No.: Q2202 SAS No.: Q2202 SDG No.: Q2202

Instrument ID: BNA_M Calibration Date/Time: 06/10/2025 04:48

Lab File ID: BM050262.D Init. Calib. Date(s): 06/05/2025 06/05/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:20 13:56

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.723	1.686		-2.1	
2,4-Dinitrotoluene	0.360	0.377		4.7	
Diethylphthalate	1.342	1.344		0.1	
4-Chlorophenyl-phenylether	0.638	0.622		-2.5	
Fluorene	1.320	1.281		-3.0	
4-Nitroaniline	0.285	0.303		6.3	
4,6-Dinitro-2-methylphenol	0.109	0.068		-37.6	
n-Nitrosodiphenylamine	0.628	0.624		-0.6	20.0
2,4,6-Tribromophenol	0.227	0.228		0.4	
4-Bromophenyl-phenylether	0.213	0.212		-0.5	
Hexachlorobenzene	0.249	0.248		-0.4	
Atrazine	0.200	0.207		3.5	
Pentachlorophenol	0.162	0.224		38.3	20.0
Phenanthrene	1.143	1.117		-2.3	
Anthracene	1.143	1.125		-1.6	
Carbazole	1.041	1.038		-0.3	
Di-n-butylphthalate	1.133	1.226		8.2	
Fluoranthene	1.205	1.223		1.5	20.0
Pyrene	1.348	1.288		-4.5	
Terphenyl-d14	1.055	1.019		-3.4	
Butylbenzylphthalate	0.450	0.493		9.6	
3,3-Dichlorobenzidine	0.386	0.426		10.4	
Benzo(a)anthracene	1.266	1.246		-1.6	
Chrysene	1.204	1.189		-1.2	
Bis(2-ethylhexyl)phthalate	0.693	0.784		13.1	
Di-n-octyl phthalate	1.028	1.197		16.4	20.0
Benzo(b)fluoranthene	1.163	1.171		0.7	
Benzo(k)fluoranthene	1.187	1.165		-1.9	
Benzo(a)pyrene	1.093	1.115		2.0	20.0
Indeno(1,2,3-cd)pyrene	1.288	1.368		6.2	
Dibenzo(a,h)anthracene	1.045	1.119		7.1	
Benzo(g,h,i)perylene	1.046	1.121		7.2	
1,2,4,5-Tetrachlorobenzene	0.578	0.570		-1.4	
1,4-Dioxane	0.526	0.542		3.0	20.0
2,3,4,6-Tetrachlorophenol	0.361	0.354		-1.9	

All other compounds must meet a minimum RRF of 0.010.

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PARS02

Lab Code: CHEM Case No.: Q2202 SAS No.: Q2202 SDG No.: Q2202

Instrument ID: BNA_P Calibration Date/Time: 06/09/2025 10:44

Lab File ID: BP024871.D Init. Calib. Date(s): 06/06/2025 06/06/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 15:18

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.198	1.175		-1.9	
Benzaldehyde	0.914	0.893		-2.3	
Phenol-d6	1.585	1.601		1.0	
Phenol	1.634	1.666		2.0	20.0
bis(2-Chloroethyl)ether	1.285	1.280		-0.4	
2-Chlorophenol	1.358	1.342		-1.2	
2-Methylphenol	1.141	1.152		1.0	
2,2-oxybis(1-Chloropropane)	1.682	1.631		-3.0	
Acetophenone	0.505	0.492		-2.6	
3+4-Methylphenols	1.557	1.575		1.2	
n-Nitroso-di-n-propylamine	1.078	1.088	0.050	0.9	
Nitrobenzene-d5	0.412	0.405		-1.7	
Hexachloroethane	0.576	0.542		-5.9	
Nitrobenzene	0.366	0.359		-1.9	
Isophorone	0.713	0.693		-2.8	
2-Nitrophenol	0.180	0.181		0.6	20.0
2,4-Dimethylphenol	0.309	0.303		-1.9	
bis(2-Chloroethoxy)methane	0.426	0.409		-4.0	
2,4-Dichlorophenol	0.296	0.296		0.0	20.0
Naphthalene	1.025	0.984		-4.0	
4-Chloroaniline	0.429	0.434		1.2	
Hexachlorobutadiene	0.201	0.187		-7.0	20.0
Caprolactam	0.109	0.112		2.8	
4-Chloro-3-methylphenol	0.342	0.347		1.5	20.0
2-Methylnaphthalene	0.650	0.642		-1.2	
Hexachlorocyclopentadiene	0.346	0.332	0.050	-4.0	
2,4,6-Trichlorophenol	0.381	0.373		-2.1	20.0
2-Fluorobiphenyl	1.485	1.394		-6.1	
2,4,5-Trichlorophenol	0.408	0.416		2.0	
1,1-Biphenyl	1.453	1.381		-5.0	
2-Chloronaphthalene	1.117	1.069		-4.3	
2-Nitroaniline	0.343	0.351		2.3	
Dimethylphthalate	1.475	1.400		-5.1	
Acenaphthylene	1.863	1.770		-5.0	
2,6-Dinitrotoluene	0.318	0.308		-3.1	
3-Nitroaniline	0.330	0.343		3.9	
Acenaphthene	1.067	1.029		-3.6	20.0
2,4-Dinitrophenol	0.178	0.182	0.050	2.2	
4-Nitrophenol	0.239	0.252	0.050	5.4	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PARS02

Lab Code: CHEM Case No.: Q2202 SAS No.: Q2202 SDG No.: Q2202

Instrument ID: BNA_P Calibration Date/Time: 06/09/2025 10:44

Lab File ID: BP024871.D Init. Calib. Date(s): 06/06/2025 06/06/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 15:18

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.713	1.630		-4.8	
2,4-Dinitrotoluene	0.445	0.443		-0.4	
Diethylphthalate	1.470	1.395		-5.1	
4-Chlorophenyl-phenylether	0.677	0.627		-7.4	
Fluorene	1.384	1.326		-4.2	
4-Nitroaniline	0.299	0.327		9.4	
4,6-Dinitro-2-methylphenol	0.131	0.131		0.0	
n-Nitrosodiphenylamine	0.620	0.596		-3.9	20.0
2,4,6-Tribromophenol	0.277	0.273		-1.4	
4-Bromophenyl-phenylether	0.226	0.216		-4.4	
Hexachlorobenzene	0.274	0.261		-4.7	
Atrazine	0.225	0.214		-4.9	
Pentachlorophenol	0.142	0.150		5.6	20.0
Phenanthrene	1.105	1.056		-4.4	
Anthracene	1.119	1.067		-4.6	
Carbazole	1.038	1.005		-3.2	
Di-n-butylphthalate	1.285	1.195		-7.0	
Fluoranthene	1.281	1.200		-6.3	20.0
Pyrene	1.249	1.182		-5.4	
Terphenyl-d14	1.116	1.046		-6.3	
Butylbenzylphthalate	0.572	0.544		-4.9	
3,3-Dichlorobenzidine	0.508	0.491		-3.3	
Benzo(a)anthracene	1.279	1.229		-3.9	
Chrysene	1.212	1.154		-4.8	
Bis(2-ethylhexyl)phthalate	0.820	0.772		-5.9	
Di-n-octyl phthalate	1.445	1.351		-6.5	20.0
Benzo(b)fluoranthene	1.145	1.096		-4.3	
Benzo(k)fluoranthene	1.165	1.086		-6.8	
Benzo(a)pyrene	1.118	1.057		-5.5	20.0
Indeno(1,2,3-cd)pyrene	1.459	1.436		-1.6	
Dibenzo(a,h)anthracene	1.188	1.170		-1.5	
Benzo(g,h,i)perylene	1.179	1.158		-1.8	
1,2,4,5-Tetrachlorobenzene	0.568	0.541		-4.8	
1,4-Dioxane	0.527	0.520		-1.3	20.0
2,3,4,6-Tetrachlorophenol	0.365	0.364		-0.3	

All other compounds must meet a minimum RRF of 0.010.