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

LAB CHRONICLE

OrderID:	P4722	**OrderDate:**	11/5/2024 3:33:08 PM
Client:	Walsh Construction Company II, LLC	**Project:**	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2
Contact:	Kayla Timony	**Location:**	L23,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4722-03	**WC-1(0-6)**	**SOIL**			**11/05/24**			**11/05/24**
			SVOC-TCL BNA -20	8270E		11/07/24	11/08/24	
P4722-04	**WC-1(0-6)**	**TCLP**			**11/05/24**			**11/05/24**
			TCLP BNA	8270E		11/07/24	11/08/24	
P4722-05	**WC-1(0-6)**	**Water**			**11/05/24**			**11/05/24**
			SPLP BNA	8270E		11/10/24	11/12/24	
P4722-08	**WC-2(0-6)**	**SOIL**			**11/05/24**			**11/05/24**
			SVOC-TCL BNA -20	8270E		11/07/24	11/08/24	
P4722-08DL	**WC-2(0-6)DL**	**SOIL**			**11/05/24**			**11/05/24**
			SVOC-TCL BNA -20	8270E		11/07/24	11/14/24	
P4722-09	**WC-2(0-6)**	**TCLP**			**11/05/24**			**11/05/24**
			TCLP BNA	8270E		11/07/24	11/08/24	
P4722-10	**WC-2(0-6)**	**Water**			**11/05/24**			**11/05/24**
			SPLP BNA	8270E		11/10/24	11/14/24	
P4722-13	**WC-3(0-6)**	**SOIL**			**11/05/24**			**11/05/24**
			SVOC-TCL BNA -20	8270E		11/07/24	11/07/24	
P4722-14	**WC-3(0-6)**	**TCLP**			**11/05/24**			**11/05/24**
			TCLP BNA	8270E		11/07/24	11/08/24	
P4722-15	**WC-3(0-6)**	**Water**			**11/05/24**			**11/05/24**
			SPLP BNA	8270E		11/10/24	11/14/24	

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

Hit Summary Sheet
SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID : WC-2(0-6)								
P4722-10	WC-2(0-6)	WATER	Pentachlorophenol	9.800	J	1.9	10	ug/L
P4722-10	WC-2(0-6)	WATER	2,3,4,6-Tetrachlorophenol	2.200	J	0.79	5	ug/L
			Total Svoc :	**12.00**				
			Total Concentration:	**12.00**				

SAMPLE DATA

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-1(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-05	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SPLP BNA
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
BE101578.D	1	11/10/24 13:32	11/12/24 12:29	PB164886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	4.00	UQ	4.00	10.0	ug/L
108-95-2	Phenol	0.93	U	0.93	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.20	U	1.20	5.00	ug/L
95-57-8	2-Chlorophenol	0.71	U	0.71	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)	1.40	U	1.40	5.00	ug/L
98-86-2	Acetophenone	1.10	U	1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	1.20	U	1.20	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.50	U	1.50	2.50	ug/L
67-72-1	Hexachloroethane	1.00	U	1.00	5.00	ug/L
98-95-3	Nitrobenzene	1.30	U	1.30	5.00	ug/L
78-59-1	Isophorone	1.10	U	1.10	5.00	ug/L
88-75-5	2-Nitrophenol	2.00	U	2.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	1.50	U	1.50	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1.00	U	1.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	0.88	U	0.88	5.00	ug/L
91-20-3	Naphthalene	1.00	U	1.00	5.00	ug/L
106-47-8	4-Chloroaniline	1.30	U	1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	1.30	U	1.30	5.00	ug/L
105-60-2	Caprolactam	1.70	U	1.70	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	0.84	U	0.84	5.00	ug/L
91-57-6	2-Methylnaphthalene	1.10	U	1.10	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	5.00	UQ	5.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	0.89	U	0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	1.00	U	1.00	5.00	ug/L
92-52-4	1,1-Biphenyl	0.91	U	0.91	5.00	ug/L
91-58-7	2-Chloronaphthalene	0.97	U	0.97	5.00	ug/L
88-74-4	2-Nitroaniline	1.40	U	1.40	5.00	ug/L
131-11-3	Dimethylphthalate	0.93	U	0.93	5.00	ug/L

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-1(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-05	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SPLP BNA
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
BE101578.D	1	11/10/24 13:32	11/12/24 12:29	PB164886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	1.00	U	1.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	1.20	U	1.20	5.00	ug/L
99-09-2	3-Nitroaniline	1.40	U	1.40	5.00	ug/L
83-32-9	Acenaphthene	0.81	U	0.81	5.00	ug/L
51-28-5	2,4-Dinitrophenol	6.40	U	6.40	10.0	ug/L
100-02-7	4-Nitrophenol	2.00	U	2.00	10.0	ug/L
132-64-9	Dibenzofuran	0.93	U	0.93	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	1.50	U	1.50	5.00	ug/L
84-66-2	Diethylphthalate	1.00	U	1.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.98	U	0.98	5.00	ug/L
86-73-7	Fluorene	0.96	U	0.96	5.00	ug/L
100-01-6	4-Nitroaniline	2.00	U	2.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.10	U	3.10	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	0.89	U	0.89	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	0.95	U	0.95	5.00	ug/L
118-74-1	Hexachlorobenzene	1.10	U	1.10	5.00	ug/L
1912-24-9	Atrazine	1.30	UQ	1.30	5.00	ug/L
87-86-5	Pentachlorophenol	1.90	U	1.90	10.0	ug/L
85-01-8	Phenanthrene	0.89	U	0.89	5.00	ug/L
120-12-7	Anthracene	1.10	U	1.10	5.00	ug/L
86-74-8	Carbazole	1.20	U	1.20	5.00	ug/L
84-74-2	Di-n-butylphthalate	1.50	U	1.50	5.00	ug/L
206-44-0	Fluoranthene	1.30	U	1.30	5.00	ug/L
129-00-0	Pyrene	1.10	U	1.10	5.00	ug/L
85-68-7	Butylbenzylphthalate	2.10	U	2.10	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	1.30	U	1.30	10.0	ug/L
56-55-3	Benzo(a)anthracene	0.94	U	0.94	5.00	ug/L
218-01-9	Chrysene	0.86	U	0.86	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.90	U	1.90	5.00	ug/L
117-84-0	Di-n-octyl phthalate	2.50	U	2.50	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	1.10	U	1.10	5.00	ug/L

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-1(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-05	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SPLP BNA
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
BE101578.D	1	11/10/24 13:32	11/12/24 12:29	PB164886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	1.20	U	1.20	5.00	ug/L
50-32-8	Benzo(a)pyrene	1.70	U	1.70	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1.00	U	1.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.20	U	1.20	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	1.20	U	1.20	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.10	U	1.10	5.00	ug/L
123-91-1	1,4-Dioxane	1.30	U	1.30	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.79	U	0.79	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	67.2		10 - 139	45%	SPK: 150
13127-88-3	Phenol-d6	45.8		10 - 134	31%	SPK: 150
4165-60-0	Nitrobenzene-d5	93.7		49 - 133	94%	SPK: 100
321-60-8	2-Fluorobiphenyl	89.8		52 - 132	90%	SPK: 100
118-79-6	2,4,6-Tribromophenol	152		44 - 137	102%	SPK: 150
1718-51-0	Terphenyl-d14	111		48 - 125	111%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	37200	7.553			
1146-65-2	Naphthalene-d8	175000	10.32			
15067-26-2	Acenaphthene-d10	136000	14.163			
1517-22-2	Phenanthrene-d10	334000	16.901			
1719-03-5	Chrysene-d12	375000	21.06			
1520-96-3	Perylene-d12	476000	23.346			

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

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-2(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-10	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SPLP BNA
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
BF140368.D	1	11/10/24 13:32	11/14/24 17:59	PB164886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	4.00	UQ	4.00	10.0	ug/L
108-95-2	Phenol	0.93	U	0.93	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.20	U	1.20	5.00	ug/L
95-57-8	2-Chlorophenol	0.71	U	0.71	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)	1.40	U	1.40	5.00	ug/L
98-86-2	Acetophenone	1.10	U	1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	1.20	U	1.20	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.50	U	1.50	2.50	ug/L
67-72-1	Hexachloroethane	1.00	U	1.00	5.00	ug/L
98-95-3	Nitrobenzene	1.30	U	1.30	5.00	ug/L
78-59-1	Isophorone	1.10	U	1.10	5.00	ug/L
88-75-5	2-Nitrophenol	2.00	U	2.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	1.50	U	1.50	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1.00	U	1.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	0.88	U	0.88	5.00	ug/L
91-20-3	Naphthalene	1.00	U	1.00	5.00	ug/L
106-47-8	4-Chloroaniline	1.30	U	1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	1.30	U	1.30	5.00	ug/L
105-60-2	Caprolactam	1.70	U	1.70	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	0.84	U	0.84	5.00	ug/L
91-57-6	2-Methylnaphthalene	1.10	U	1.10	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	5.00	UQ	5.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	0.89	U	0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	1.00	U	1.00	5.00	ug/L
92-52-4	1,1-Biphenyl	0.91	U	0.91	5.00	ug/L
91-58-7	2-Chloronaphthalene	0.97	U	0.97	5.00	ug/L
88-74-4	2-Nitroaniline	1.40	U	1.40	5.00	ug/L
131-11-3	Dimethylphthalate	0.93	U	0.93	5.00	ug/L

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-2(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-10	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SPLP BNA
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
BF140368.D	1	11/10/24 13:32	11/14/24 17:59	PB164886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	1.00	U	1.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	1.20	U	1.20	5.00	ug/L
99-09-2	3-Nitroaniline	1.40	U	1.40	5.00	ug/L
83-32-9	Acenaphthene	0.81	U	0.81	5.00	ug/L
51-28-5	2,4-Dinitrophenol	6.40	U	6.40	10.0	ug/L
100-02-7	4-Nitrophenol	2.00	U	2.00	10.0	ug/L
132-64-9	Dibenzofuran	0.93	U	0.93	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	1.50	U	1.50	5.00	ug/L
84-66-2	Diethylphthalate	1.00	U	1.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.98	U	0.98	5.00	ug/L
86-73-7	Fluorene	0.96	U	0.96	5.00	ug/L
100-01-6	4-Nitroaniline	2.00	U	2.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.10	U	3.10	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	0.89	U	0.89	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	0.95	U	0.95	5.00	ug/L
118-74-1	Hexachlorobenzene	1.10	U	1.10	5.00	ug/L
1912-24-9	Atrazine	1.30	UQ	1.30	5.00	ug/L
87-86-5	Pentachlorophenol	9.80	J	1.90	10.0	ug/L
85-01-8	Phenanthrene	0.89	U	0.89	5.00	ug/L
120-12-7	Anthracene	1.10	U	1.10	5.00	ug/L
86-74-8	Carbazole	1.20	U	1.20	5.00	ug/L
84-74-2	Di-n-butylphthalate	1.50	U	1.50	5.00	ug/L
206-44-0	Fluoranthene	1.30	U	1.30	5.00	ug/L
129-00-0	Pyrene	1.10	U	1.10	5.00	ug/L
85-68-7	Butylbenzylphthalate	2.10	U	2.10	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	1.30	U	1.30	10.0	ug/L
56-55-3	Benzo(a)anthracene	0.94	U	0.94	5.00	ug/L
218-01-9	Chrysene	0.86	U	0.86	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.90	U	1.90	5.00	ug/L
117-84-0	Di-n-octyl phthalate	2.50	U	2.50	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	1.10	U	1.10	5.00	ug/L

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-2(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-10	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SPLP BNA
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
BF140368.D	1	11/10/24 13:32	11/14/24 17:59	PB164886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	1.20	U	1.20	5.00	ug/L
50-32-8	Benzo(a)pyrene	1.70	U	1.70	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1.00	U	1.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.20	U	1.20	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	1.20	U	1.20	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.10	U	1.10	5.00	ug/L
123-91-1	1,4-Dioxane	1.30	U	1.30	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	2.20	J	0.79	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	74.5		10 - 139	50%	SPK: 150
13127-88-3	Phenol-d6	47.7		10 - 134	32%	SPK: 150
4165-60-0	Nitrobenzene-d5	95.3		49 - 133	95%	SPK: 100
321-60-8	2-Fluorobiphenyl	90.7		52 - 132	91%	SPK: 100
118-79-6	2,4,6-Tribromophenol	130		44 - 137	86%	SPK: 150
1718-51-0	Terphenyl-d14	98.7		48 - 125	99%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	124000	6.869			
1146-65-2	Naphthalene-d8	465000	8.151			
15067-26-2	Acenaphthene-d10	252000	9.904			
1517-22-2	Phenanthrene-d10	460000	11.392			
1719-03-5	Chrysene-d12	260000	14.045			
1520-96-3	Perylene-d12	261000	15.545			

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

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-3(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-15	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SPLP BNA
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
BF140369.D	1	11/10/24 13:32	11/14/24 18:25	PB164886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	4.00	UQ	4.00	10.0	ug/L
108-95-2	Phenol	0.93	U	0.93	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.20	U	1.20	5.00	ug/L
95-57-8	2-Chlorophenol	0.71	U	0.71	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)	1.40	U	1.40	5.00	ug/L
98-86-2	Acetophenone	1.10	U	1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	1.20	U	1.20	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.50	U	1.50	2.50	ug/L
67-72-1	Hexachloroethane	1.00	U	1.00	5.00	ug/L
98-95-3	Nitrobenzene	1.30	U	1.30	5.00	ug/L
78-59-1	Isophorone	1.10	U	1.10	5.00	ug/L
88-75-5	2-Nitrophenol	2.00	U	2.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	1.50	U	1.50	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1.00	U	1.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	0.88	U	0.88	5.00	ug/L
91-20-3	Naphthalene	1.00	U	1.00	5.00	ug/L
106-47-8	4-Chloroaniline	1.30	U	1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	1.30	U	1.30	5.00	ug/L
105-60-2	Caprolactam	1.70	U	1.70	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	0.84	U	0.84	5.00	ug/L
91-57-6	2-Methylnaphthalene	1.10	U	1.10	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	5.00	UQ	5.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	0.89	U	0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	1.00	U	1.00	5.00	ug/L
92-52-4	1,1-Biphenyl	0.91	U	0.91	5.00	ug/L
91-58-7	2-Chloronaphthalene	0.97	U	0.97	5.00	ug/L
88-74-4	2-Nitroaniline	1.40	U	1.40	5.00	ug/L
131-11-3	Dimethylphthalate	0.93	U	0.93	5.00	ug/L

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-3(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-15	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SPLP BNA
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
BF140369.D	1	11/10/24 13:32	11/14/24 18:25	PB164886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	1.00	U	1.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	1.20	U	1.20	5.00	ug/L
99-09-2	3-Nitroaniline	1.40	U	1.40	5.00	ug/L
83-32-9	Acenaphthene	0.81	U	0.81	5.00	ug/L
51-28-5	2,4-Dinitrophenol	6.40	U	6.40	10.0	ug/L
100-02-7	4-Nitrophenol	2.00	U	2.00	10.0	ug/L
132-64-9	Dibenzofuran	0.93	U	0.93	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	1.50	U	1.50	5.00	ug/L
84-66-2	Diethylphthalate	1.00	U	1.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.98	U	0.98	5.00	ug/L
86-73-7	Fluorene	0.96	U	0.96	5.00	ug/L
100-01-6	4-Nitroaniline	2.00	U	2.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.10	U	3.10	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	0.89	U	0.89	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	0.95	U	0.95	5.00	ug/L
118-74-1	Hexachlorobenzene	1.10	U	1.10	5.00	ug/L
1912-24-9	Atrazine	1.30	UQ	1.30	5.00	ug/L
87-86-5	Pentachlorophenol	1.90	U	1.90	10.0	ug/L
85-01-8	Phenanthrene	0.89	U	0.89	5.00	ug/L
120-12-7	Anthracene	1.10	U	1.10	5.00	ug/L
86-74-8	Carbazole	1.20	U	1.20	5.00	ug/L
84-74-2	Di-n-butylphthalate	1.50	U	1.50	5.00	ug/L
206-44-0	Fluoranthene	1.30	U	1.30	5.00	ug/L
129-00-0	Pyrene	1.10	U	1.10	5.00	ug/L
85-68-7	Butylbenzylphthalate	2.10	U	2.10	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	1.30	U	1.30	10.0	ug/L
56-55-3	Benzo(a)anthracene	0.94	U	0.94	5.00	ug/L
218-01-9	Chrysene	0.86	U	0.86	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.90	U	1.90	5.00	ug/L
117-84-0	Di-n-octyl phthalate	2.50	U	2.50	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	1.10	U	1.10	5.00	ug/L

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-3(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-15	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SPLP BNA
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
BF140369.D	1	11/10/24 13:32	11/14/24 18:25	PB164886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	1.20	U	1.20	5.00	ug/L
50-32-8	Benzo(a)pyrene	1.70	U	1.70	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1.00	U	1.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.20	U	1.20	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	1.20	U	1.20	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.10	U	1.10	5.00	ug/L
123-91-1	1,4-Dioxane	1.30	U	1.30	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.79	U	0.79	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	66.4		10 - 139	44%	SPK: 150
13127-88-3	Phenol-d6	41.5		10 - 134	28%	SPK: 150
4165-60-0	Nitrobenzene-d5	94.1		49 - 133	94%	SPK: 100
321-60-8	2-Fluorobiphenyl	94.4		52 - 132	94%	SPK: 100
118-79-6	2,4,6-Tribromophenol	141		44 - 137	94%	SPK: 150
1718-51-0	Terphenyl-d14	111		48 - 125	111%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	119000	6.869			
1146-65-2	Naphthalene-d8	442000	8.151			
15067-26-2	Acenaphthene-d10	232000	9.904			
1517-22-2	Phenanthrene-d10	430000	11.392			
1719-03-5	Chrysene-d12	233000	14.045			
1520-96-3	Perylene-d12	242000	15.551			

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

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/10/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/10/24
Client Sample ID:	PB164886TB	SDG No.:	P4722
Lab Sample ID:	PB164886TB	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SPLP BNA
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
BF140599.D	1	11/10/24 13:32	11/25/24 13:27	PB164886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	4.00	UQ	4.00	10.0	ug/L
108-95-2	Phenol	0.93	U	0.93	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.20	U	1.20	5.00	ug/L
95-57-8	2-Chlorophenol	0.71	U	0.71	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)	1.40	U	1.40	5.00	ug/L
98-86-2	Acetophenone	1.10	U	1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	1.20	U	1.20	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.50	U	1.50	2.50	ug/L
67-72-1	Hexachloroethane	1.00	U	1.00	5.00	ug/L
98-95-3	Nitrobenzene	1.30	U	1.30	5.00	ug/L
78-59-1	Isophorone	1.10	U	1.10	5.00	ug/L
88-75-5	2-Nitrophenol	2.00	U	2.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	1.50	U	1.50	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1.00	U	1.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	0.88	U	0.88	5.00	ug/L
91-20-3	Naphthalene	1.00	U	1.00	5.00	ug/L
106-47-8	4-Chloroaniline	1.30	U	1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	1.30	U	1.30	5.00	ug/L
105-60-2	Caprolactam	1.70	U	1.70	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	0.84	U	0.84	5.00	ug/L
91-57-6	2-Methylnaphthalene	1.10	U	1.10	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	5.00	UQ	5.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	0.89	U	0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	1.00	U	1.00	5.00	ug/L
92-52-4	1,1-Biphenyl	0.91	U	0.91	5.00	ug/L
91-58-7	2-Chloronaphthalene	0.97	U	0.97	5.00	ug/L
88-74-4	2-Nitroaniline	1.40	U	1.40	5.00	ug/L
131-11-3	Dimethylphthalate	0.93	U	0.93	5.00	ug/L

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/10/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/10/24
Client Sample ID:	PB164886TB	SDG No.:	P4722
Lab Sample ID:	PB164886TB	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SPLP BNA
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
BF140599.D	1	11/10/24 13:32	11/25/24 13:27	PB164886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	1.00	U	1.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	1.20	U	1.20	5.00	ug/L
99-09-2	3-Nitroaniline	1.40	U	1.40	5.00	ug/L
83-32-9	Acenaphthene	0.81	U	0.81	5.00	ug/L
51-28-5	2,4-Dinitrophenol	6.40	U	6.40	10.0	ug/L
100-02-7	4-Nitrophenol	2.00	U	2.00	10.0	ug/L
132-64-9	Dibenzofuran	0.93	U	0.93	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	1.50	U	1.50	5.00	ug/L
84-66-2	Diethylphthalate	1.00	U	1.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.98	U	0.98	5.00	ug/L
86-73-7	Fluorene	0.96	U	0.96	5.00	ug/L
100-01-6	4-Nitroaniline	2.00	U	2.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.10	U	3.10	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	0.89	U	0.89	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	0.95	U	0.95	5.00	ug/L
118-74-1	Hexachlorobenzene	1.10	U	1.10	5.00	ug/L
1912-24-9	Atrazine	1.30	UQ	1.30	5.00	ug/L
87-86-5	Pentachlorophenol	1.90	U	1.90	10.0	ug/L
85-01-8	Phenanthrene	0.89	U	0.89	5.00	ug/L
120-12-7	Anthracene	1.10	U	1.10	5.00	ug/L
86-74-8	Carbazole	1.20	U	1.20	5.00	ug/L
84-74-2	Di-n-butylphthalate	1.50	U	1.50	5.00	ug/L
206-44-0	Fluoranthene	1.30	U	1.30	5.00	ug/L
129-00-0	Pyrene	1.10	U	1.10	5.00	ug/L
85-68-7	Butylbenzylphthalate	2.10	U	2.10	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	1.30	U	1.30	10.0	ug/L
56-55-3	Benzo(a)anthracene	0.94	U	0.94	5.00	ug/L
218-01-9	Chrysene	0.86	U	0.86	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.90	U	1.90	5.00	ug/L
117-84-0	Di-n-octyl phthalate	2.50	U	2.50	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	1.10	U	1.10	5.00	ug/L

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/10/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/10/24
Client Sample ID:	PB164886TB	SDG No.:	P4722
Lab Sample ID:	PB164886TB	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SPLP BNA
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
BF140599.D	1	11/10/24 13:32	11/25/24 13:27	PB164886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	1.20	U	1.20	5.00	ug/L
50-32-8	Benzo(a)pyrene	1.70	U	1.70	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1.00	U	1.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.20	U	1.20	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	1.20	U	1.20	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.10	U	1.10	5.00	ug/L
123-91-1	1,4-Dioxane	1.30	U	1.30	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.79	U	0.79	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	138		10 - 139	92%	SPK: 150
13127-88-3	Phenol-d6	134		10 - 134	90%	SPK: 150
4165-60-0	Nitrobenzene-d5	91.7		49 - 133	92%	SPK: 100
321-60-8	2-Fluorobiphenyl	89.3		52 - 132	89%	SPK: 100
118-79-6	2,4,6-Tribromophenol	129		44 - 137	86%	SPK: 150
1718-51-0	Terphenyl-d14	99.1		48 - 125	99%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	105000	6.869			
1146-65-2	Naphthalene-d8	404000	8.151			
15067-26-2	Acenaphthene-d10	233000	9.904			
1517-22-2	Phenanthrene-d10	439000	11.398			
1719-03-5	Chrysene-d12	241000	14.051			
1520-96-3	Perylene-d12	200000	15.563			

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,
Fax : 908 789 8922

Surrogate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P4722-05	WC-1(0-6)	2-Fluorophenol	150	67.2	45		10	139
		Phenol-d6	150	45.8	31		10	134
		Nitrobenzene-d5	100	93.7	94		49	133
		2-Fluorobiphenyl	100	89.8	90		52	132
		2,4,6-Tribromophenol	150	152	102		44	137
		Terphenyl-d14	100	111	111		48	125
P4722-10	WC-2(0-6)	2-Fluorophenol	150	74.5	50		10	139
		Phenol-d6	150	47.7	32		10	134
		Nitrobenzene-d5	100	95.3	95		49	133
		2-Fluorobiphenyl	100	90.7	91		52	132
		2,4,6-Tribromophenol	150	130	86		44	137
		Terphenyl-d14	100	98.7	99		48	125
P4722-15	WC-3(0-6)	2-Fluorophenol	150	66.4	44		10	139
		Phenol-d6	150	41.5	28		10	134
		Nitrobenzene-d5	100	94.1	94		49	133
		2-Fluorobiphenyl	100	94.4	94		52	132
		2,4,6-Tribromophenol	150	141	94		44	137
		Terphenyl-d14	100	111	111		48	125
P4722-15MS	WC-3(0-6)MS	2-Fluorophenol	150	68.4	46		10	139
		Phenol-d6	150	41.5	28		10	134
		Nitrobenzene-d5	100	87.1	87		49	133
		2-Fluorobiphenyl	100	87.7	88		52	132
		2,4,6-Tribromophenol	150	129	86		44	137
		Terphenyl-d14	100	98.2	98		48	125
P4722-15MSD	WC-3(0-6)MSD	2-Fluorophenol	150	67.3	45		10	139
		Phenol-d6	150	41.0	27		10	134
		Nitrobenzene-d5	100	88.0	88		49	133
		2-Fluorobiphenyl	100	88.5	89		52	132
		2,4,6-Tribromophenol	150	135	90		44	137
		Terphenyl-d14	100	97.3	97		48	125
PB164886BL	PB164886BL	2-Fluorophenol	150	153	102		10	139
		Phenol-d6	150	135	90		10	134
		Nitrobenzene-d5	100	98.0	98		49	133
		2-Fluorobiphenyl	100	103	103		52	132
		2,4,6-Tribromophenol	150	125	83		44	137
		Terphenyl-d14	100	99.2	99		48	125
PB164886BS	PB164886BS	2-Fluorophenol	150	123	82		10	139
		Phenol-d6	150	118	78		10	134
		Nitrobenzene-d5	100	84.1	84		49	133
		2-Fluorobiphenyl	100	82.2	82		52	132
		2,4,6-Tribromophenol	150	130	87		44	137
		Terphenyl-d14	100	93.2	93		48	125
PB164886TB	PB164886TB	2-Fluorophenol	150	138	92		10	139
		Phenol-d6	150	134	90		10	134
		Nitrobenzene-d5	100	91.7	92		49	133
		2-Fluorobiphenyl	100	89.3	89		52	132
		2,4,6-Tribromophenol	150	129	86		44	137
		Terphenyl-d14	100	99.1	99		48	125

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: P4722-15MS		**Client Sample ID: WC-3(0-6)MS**						**DataFile: BE101581.D**			
Benzaldehyde	50	0	7.60	ug/L	15				10	137	
Phenol	50	0	17.5	ug/L	35				10	130	
bis(2-Chloroethyl)ether	50	0	41.5	ug/L	83				29	141	
2-Chlorophenol	50	0	37.7	ug/L	75				23	127	
2-Methylphenol	50	0	34.4	ug/L	69				37	126	
2,2-oxybis(1-Chloropropane)	50	0	45.4	ug/L	91				36	141	
Acetophenone	50	0	42.0	ug/L	84				31	164	
3+4-Methylphenols	50	0	30.4	ug/L	61				31	127	
N-Nitroso-di-n-propylamine	50	0	46.1	ug/L	92				36	147	
Hexachloroethane	50	0	24.2	ug/L	48	*			49	110	
Nitrobenzene	50	0	41.0	ug/L	82				62	112	
Isophorone	50	0	44.1	ug/L	88				39	146	
2-Nitrophenol	50	0	41.0	ug/L	82				30	148	
2,4-Dimethylphenol	50	0	49.7	ug/L	99				17	143	
bis(2-Chloroethoxy)methane	50	0	43.7	ug/L	87				39	143	
2,4-Dichlorophenol	50	0	41.6	ug/L	83				22	146	
Naphthalene	50	0	36.6	ug/L	73				17	157	
4-Chloroaniline	50	0	21.1	ug/L	42				10	95	
Hexachlorobutadiene	50	0	26.9	ug/L	54				52	125	
Caprolactam	50	0	7.40	ug/L	15				10	130	
4-Chloro-3-methylphenol	50	0	39.7	ug/L	79				17	148	
2-Methylnaphthalene	50	0	41.1	ug/L	82				38	146	
Hexachlorocyclopentadiene	100	0	120	ug/L	120				20	153	
2,4,6-Trichlorophenol	50	0	44.0	ug/L	88				78	112	
2,4,5-Trichlorophenol	50	0	42.6	ug/L	85				71	111	
1,1-Biphenyl	50	0	42.4	ug/L	85				38	154	
2-Chloronaphthalene	50	0	40.8	ug/L	82				41	145	
2-Nitroaniline	50	0	48.3	ug/L	97				39	151	
Dimethylphthalate	50	0	45.8	ug/L	92				42	147	
Acenaphthylene	50	0	46.3	ug/L	93				40	141	
2,6-Dinitrotoluene	50	0	43.0	ug/L	86				43	148	
3-Nitroaniline	50	0	27.5	ug/L	55				10	111	
Acenaphthene	50	0	45.1	ug/L	90				37	146	
2,4-Dinitrophenol	100	0	96.6	ug/L	97				14	167	
4-Nitrophenol	100	0	36.6	ug/L	37				10	130	
Dibenzofuran	50	0	45.2	ug/L	90				41	145	
2,4-Dinitrotoluene	50	0	45.7	ug/L	91				50	142	
Diethylphthalate	50	0	46.8	ug/L	94				41	148	
4-Chlorophenyl-phenylether	50	0	44.7	ug/L	89				38	149	
Fluorene	50	0	46.1	ug/L	92				39	144	
4-Nitroaniline	50	0	43.9	ug/L	88				27	138	
4,6-Dinitro-2-methylphenol	50	0	47.1	ug/L	94				32	175	
N-Nitrosodiphenylamine	50	0	46.5	ug/L	93				40	150	
4-Bromophenyl-phenylether	50	0	44.6	ug/L	89				42	151	
Hexachlorobenzene	50	0	43.5	ug/L	87				72	115	
Atrazine	50	0	60.6	ug/L	121				20	162	

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Pentachlorophenol	100	0	89.1	ug/L	89				25	139	
Phenanthrene	50	0	48.0	ug/L	96				40	147	
Anthracene	50	0	50.0	ug/L	100				41	146	
Carbazole	50	0	46.8	ug/L	94				37	154	
Di-n-butylphthalate	50	0	48.6	ug/L	97				40	151	
Fluoranthene	50	0	46.5	ug/L	93				42	146	
Pyrene	50	0	46.9	ug/L	94				41	149	
Butylbenzylphthalate	50	0	48.5	ug/L	97				39	155	
3,3-Dichlorobenzidine	50	0	33.6	ug/L	67				10	114	
Benzo(a)anthracene	50	0	47.8	ug/L	96				41	147	
Chrysene	50	0	48.0	ug/L	96				44	144	
bis(2-Ethylhexyl)phthalate	50	0	49.1	ug/L	98				33	160	
Di-n-octyl phthalate	50	0	49.6	ug/L	99				36	158	
Benzo(b)fluoranthene	50	0	45.4	ug/L	91				40	150	
Benzo(k)fluoranthene	50	0	48.8	ug/L	98				40	147	
Benzo(a)pyrene	50	0	49.3	ug/L	99				42	147	
Indeno(1,2,3-cd)pyrene	50	0	48.2	ug/L	96				30	166	
Dibenz(a,h)anthracene	50	0	48.4	ug/L	97				23	172	
Benzo(g,h,i)perylene	50	0	42.8	ug/L	86				27	167	
1,2,4,5-Tetrachlorobenzene	50	0	39.5	ug/L	79	*			89	102	
1,4-Dioxane	50	0	18.0	ug/L	36	*			38	130	
2,3,4,6-Tetrachlorophenol	50	0	45.3	ug/L	91				91	111	

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: P4722-15MSD		**Client Sample ID: WC-3(0-6)MSD**						**DataFile: BE101582.D**			
Benzaldehyde	50	0	7.50	ug/L	15	0			10	137	20
Phenol	50	0	16.8	ug/L	34	3			10	130	20
bis(2-Chloroethyl)ether	50	0	40.1	ug/L	80	4			29	141	20
2-Chlorophenol	50	0	36.5	ug/L	73	3			23	127	20
2-Methylphenol	50	0	32.7	ug/L	65	6			37	126	20
2,2-oxybis(1-Chloropropane)	50	0	44.5	ug/L	89	2			36	141	20
Acetophenone	50	0	41.6	ug/L	83	1			31	164	20
3+4-Methylphenols	50	0	28.9	ug/L	58	5			31	127	20
N-Nitroso-di-n-propylamine	50	0	44.3	ug/L	89	3			36	147	20
Hexachloroethane	50	0	24.4	ug/L	49	2			49	110	20
Nitrobenzene	50	0	41.2	ug/L	82	0			62	112	20
Isophorone	50	0	44.0	ug/L	88	0			39	146	20
2-Nitrophenol	50	0	41.2	ug/L	82	0			30	148	20
2,4-Dimethylphenol	50	0	49.2	ug/L	98	1			17	143	20
bis(2-Chloroethoxy)methane	50	0	43.5	ug/L	87	0			39	143	20
2,4-Dichlorophenol	50	0	41.2	ug/L	82	1			22	146	20
Naphthalene	50	0	37.0	ug/L	74	1			17	157	20
4-Chloroaniline	50	0	19.8	ug/L	40	5			10	95	20
Hexachlorobutadiene	50	0	27.6	ug/L	55	2			52	125	20
Caprolactam	50	0	7.20	ug/L	14	7			10	130	20
4-Chloro-3-methylphenol	50	0	39.4	ug/L	79	0			17	148	20
2-Methylnaphthalene	50	0	41.1	ug/L	82	0			38	146	20
Hexachlorocyclopentadiene	100	0	130	ug/L	130	8			20	153	20
2,4,6-Trichlorophenol	50	0	44.2	ug/L	88	0			78	112	20
2,4,5-Trichlorophenol	50	0	43.4	ug/L	87	2			71	111	20
1,1-Biphenyl	50	0	42.8	ug/L	86	1			38	154	20
2-Chloronaphthalene	50	0	41.0	ug/L	82	0			41	145	20
2-Nitroaniline	50	0	48.4	ug/L	97	0			39	151	20
Dimethylphthalate	50	0	46.0	ug/L	92	0			42	147	20
Acenaphthylene	50	0	47.0	ug/L	94	1			40	141	20
2,6-Dinitrotoluene	50	0	43.7	ug/L	87	1			43	148	20
3-Nitroaniline	50	0	27.3	ug/L	55	0			10	111	20
Acenaphthene	50	0	45.4	ug/L	91	1			37	146	20
2,4-Dinitrophenol	100	0	97.8	ug/L	98	1			14	167	20
4-Nitrophenol	100	0	38.6	ug/L	39	5			10	130	20
Dibenzofuran	50	0	47.2	ug/L	94	4			41	145	20
2,4-Dinitrotoluene	50	0	47.3	ug/L	95	4			50	142	20
Diethylphthalate	50	0	47.8	ug/L	96	2			41	148	20
4-Chlorophenyl-phenylether	50	0	46.1	ug/L	92	3			38	149	20
Fluorene	50	0	48.1	ug/L	96	4			39	144	20
4-Nitroaniline	50	0	45.4	ug/L	91	3			27	138	20
4,6-Dinitro-2-methylphenol	50	0	47.5	ug/L	95	1			32	175	20
N-Nitrosodiphenylamine	50	0	47.1	ug/L	94	1			40	150	20
4-Bromophenyl-phenylether	50	0	45.2	ug/L	90	1			42	151	20
Hexachlorobenzene	50	0	44.3	ug/L	89	2			72	115	20
Atrazine	50	0	60.2	ug/L	120	1			20	162	20

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	100	0	91.2	ug/L	91		2		25	139	20
Phenanthrene	50	0	48.1	ug/L	96		0		40	147	20
Anthracene	50	0	49.1	ug/L	98		2		41	146	20
Carbazole	50	0	46.4	ug/L	93		1		37	154	20
Di-n-butylphthalate	50	0	48.6	ug/L	97		0		40	151	20
Fluoranthene	50	0	45.6	ug/L	91		2		42	146	20
Pyrene	50	0	47.4	ug/L	95		1		41	149	20
Butylbenzylphthalate	50	0	49.4	ug/L	99		2		39	155	20
3,3-Dichlorobenzidine	50	0	34.1	ug/L	68		1		10	114	20
Benzo(a)anthracene	50	0	48.2	ug/L	96		0		41	147	20
Chrysene	50	0	47.8	ug/L	96		0		44	144	20
bis(2-Ethylhexyl)phthalate	50	0	47.8	ug/L	96		2		33	160	20
Di-n-octyl phthalate	50	0	48.4	ug/L	97		2		36	158	20
Benzo(b)fluoranthene	50	0	47.0	ug/L	94		3		40	150	20
Benzo(k)fluoranthene	50	0	52.1	ug/L	104		6		40	147	20
Benzo(a)pyrene	50	0	49.6	ug/L	99		0		42	147	20
Indeno(1,2,3-cd)pyrene	50	0	49.1	ug/L	98		2		30	166	20
Dibenz(a,h)anthracene	50	0	49.2	ug/L	98		1		23	172	20
Benzo(g,h,i)perylene	50	0	43.9	ug/L	88		2		27	167	20
1,2,4,5-Tetrachlorobenzene	50	0	40.1	ug/L	80	*	1		89	102	20
1,4-Dioxane	50	0	17.6	ug/L	35	*	3		38	130	20
2,3,4,6-Tetrachlorophenol	50	0	47.8	ug/L	96		5		91	111	20

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: 8270E **DataFile:** BF140394.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB164886BS	Benzaldehyde	50	0	ug/L	0		*		10	162	
	Phenol	50	40.9	ug/L	82				66	118	
	bis(2-Chloroethyl)ether	50	43.2	ug/L	86				62	103	
	2-Chlorophenol	50	44.2	ug/L	88				70	117	
	2-Methylphenol	50	42.1	ug/L	84				69	109	
	2,2-oxybis(1-Chloropropane)	50	41.0	ug/L	82				65	100	
	Acetophenone	50	41.8	ug/L	84				60	104	
	3+4-Methylphenols	50	42.5	ug/L	85				67	106	
	N-Nitroso-di-n-propylamine	50	41.1	ug/L	82				57	107	
	Hexachloroethane	50	42.0	ug/L	84				76	118	
	Nitrobenzene	50	40.3	ug/L	81				58	106	
	Isophorone	50	41.5	ug/L	83				61	102	
	2-Nitrophenol	50	43.7	ug/L	87				70	115	
	2,4-Dimethylphenol	50	50.9	ug/L	102				42	142	
	bis(2-Chloroethoxy)methane	50	40.8	ug/L	82				58	109	
	2,4-Dichlorophenol	50	42.7	ug/L	85				66	115	
	Naphthalene	50	41.2	ug/L	82				64	107	
	4-Chloroaniline	50	31.3	ug/L	63				10	85	
	Hexachlorobutadiene	50	40.5	ug/L	81				69	101	
	Caprolactam	50	44.2	ug/L	88				58	128	
	4-Chloro-3-methylphenol	50	42.7	ug/L	85				65	114	
	2-Methylnaphthalene	50	41.5	ug/L	83				64	107	
	Hexachlorocyclopentadiene	100	170	ug/L	170		*		36	160	
	2,4,6-Trichlorophenol	50	43.0	ug/L	86				61	110	
	2,4,5-Trichlorophenol	50	42.3	ug/L	85				70	106	
	1,1-Biphenyl	50	41.2	ug/L	82				72	98	
	2-Chloronaphthalene	50	41.0	ug/L	82				59	106	
	2-Nitroaniline	50	44.4	ug/L	89				73	114	
	Dimethylphthalate	50	42.8	ug/L	86				64	103	
	Acenaphthylene	50	45.0	ug/L	90				79	103	
	2,6-Dinitrotoluene	50	41.5	ug/L	83				64	110	
	3-Nitroaniline	50	33.0	ug/L	66				28	100	
	Acenaphthene	50	48.4	ug/L	97				59	113	
	2,4-Dinitrophenol	100	96.7	ug/L	97				36	166	
	4-Nitrophenol	100	89.1	ug/L	89				45	147	
	Dibenzofuran	50	43.3	ug/L	87				65	106	
	2,4-Dinitrotoluene	50	44.1	ug/L	88				60	115	
	Diethylphthalate	50	42.3	ug/L	85				63	105	
	4-Chlorophenyl-phenylether	50	41.5	ug/L	83				61	104	
	Fluorene	50	42.1	ug/L	84				64	107	
	4-Nitroaniline	50	43.7	ug/L	87				55	125	
	4,6-Dinitro-2-methylphenol	50	49.0	ug/L	98				62	132	
	N-Nitrosodiphenylamine	50	43.7	ug/L	87				61	109	
	4-Bromophenyl-phenylether	50	42.1	ug/L	84				73	103	

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: 8270E **DataFile:** BF140394.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB164886BS	Hexachlorobenzene	50	42.3	ug/L	85				73	106	
	Atrazine	50	35.1	ug/L	70		*		76	120	
	Pentachlorophenol	100	83.4	ug/L	83				47	114	
	Phenanthrene	50	43.7	ug/L	87				62	109	
	Anthracene	50	45.3	ug/L	91				65	110	
	Carbazole	50	43.0	ug/L	86				62	106	
	Di-n-butylphthalate	50	41.4	ug/L	83				64	106	
	Fluoranthene	50	42.0	ug/L	84				64	110	
	Pyrene	50	46.1	ug/L	92				71	103	
	Butylbenzylphthalate	50	46.2	ug/L	92				61	105	
	3,3-Dichlorobenzidine	50	38.3	ug/L	77				43	108	
	Benzo(a)anthracene	50	45.8	ug/L	92				62	107	
	Chrysene	50	45.0	ug/L	90				61	108	
	bis(2-Ethylhexyl)phthalate	50	44.4	ug/L	89				59	110	
	Di-n-octyl phthalate	50	43.7	ug/L	87				52	139	
	Benzo(b)fluoranthene	50	38.5	ug/L	77				77	113	
	Benzo(k)fluoranthene	50	46.7	ug/L	93				77	105	
	Benzo(a)pyrene	50	46.7	ug/L	93				72	131	
	Indeno(1,2,3-cd)pyrene	50	46.0	ug/L	92				72	105	
	Dibenz(a,h)anthracene	50	45.3	ug/L	91				78	115	
	Benzo(g,h,i)perylene	50	41.5	ug/L	83				75	118	
	1,2,4,5-Tetrachlorobenzene	50	41.9	ug/L	84				72	101	
	1,4-Dioxane	50	36.8	ug/L	74				38	125	
	2,3,4,6-Tetrachlorophenol	50	46.8	ug/L	94				63	116	

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

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164886BL

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

Lab File ID: BE101576.D Lab Sample ID: PB164886BL

Instrument ID: BNA_E Date Extracted: 11/10/2024

Matrix: (soil/water) Water Date Analyzed: 11/12/2024

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
WC-3(0-6)MSD	P4722-15MSD	BE101582.D	11/12/2024
WC-2(0-6)	P4722-10	BF140368.D	11/14/2024
WC-3(0-6)	P4722-15	BF140369.D	11/14/2024
PB164886BS	PB164886BS	BF140394.D	11/15/2024
PB164886TB	PB164886TB	BF140599.D	11/25/2024
WC-1(0-6)	P4722-05	BE101578.D	11/12/2024
WC-3(0-6)MS	P4722-15MS	BE101581.D	11/12/2024

COMMENTS:

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM SAS No.: P4722 SDG NO.: P4722

Lab File ID: BE101491.D DFTPP Injection Date: 11/06/2024

Instrument ID: BNA_E DFTPP Injection Time: 11:40

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	14.8
68	Less than 2.0% of mass 69	0.2 (1.3) 1
69	Mass 69 relative abundance	16
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	23.5
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	3.6
275	10.0 - 60.0% of mass 198	18.3
365	Greater than 1% of mass 198	2.9
441	Present, but less than mass 443	16.4
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.6 (19.6) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BE101493.D	11/06/2024	13:51
SSTDICC005	SSTDICC005	BE101494.D	11/06/2024	14:27
SSTDICC010	SSTDICC010	BE101495.D	11/06/2024	15:03
SSTDICC020	SSTDICC020	BE101496.D	11/06/2024	15:39
SSTDICCC040	SSTDICCC040	BE101497.D	11/06/2024	16:14
SSTDICC050	SSTDICC050	BE101498.D	11/06/2024	16:50
SSTDICC060	SSTDICC060	BE101499.D	11/06/2024	17:26
SSTDICC080	SSTDICC080	BE101500.D	11/06/2024	18:02

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM SAS No.: P4722 SDG NO.: P4722

Lab File ID: BE101574.D DFTPP Injection Date: 11/12/2024

Instrument ID: BNA_E DFTPP Injection Time: 09:33

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	14.7
68	Less than 2.0% of mass 69	0.3 (1.7) 1
69	Mass 69 relative abundance	15.6
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	22.6
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	3.5
275	10.0 - 60.0% of mass 198	18
365	Greater than 1% of mass 198	3
441	Present, but less than mass 443	16.2
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.4 (19.4) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BE101575.D	11/12/2024	10:18
PB164886BL	PB164886BL	BE101576.D	11/12/2024	11:11
WC-1(0-6)	P4722-05	BE101578.D	11/12/2024	12:29
WC-3(0-6)MS	P4722-15MS	BE101581.D	11/12/2024	14:13
WC-3(0-6)MSD	P4722-15MSD	BE101582.D	11/12/2024	14:49

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM SAS No.: P4722 SDG NO.: P4722

Lab File ID: BF140331.D DFTPP Injection Date: 11/13/2024

Instrument ID: BNA_F DFTPP Injection Time: 08:35

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	36.9
68	Less than 2.0% of mass 69	0.7 (1.8) 1
69	Mass 69 relative abundance	38
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	48.6
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	6.4
275	10.0 - 60.0% of mass 198	28.3
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	14
442	Greater than 50% of mass 198	88.6
443	15.0 - 24.0% of mass 442	16.7 (18.8) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF140332.D	11/13/2024	09:01
SSTDICC005	SSTDICC005	BF140333.D	11/13/2024	09:27
SSTDICC010	SSTDICC010	BF140334.D	11/13/2024	09:53
SSTDICC020	SSTDICC020	BF140335.D	11/13/2024	10:29
SSTDICC050	SSTDICC050	BF140337.D	11/13/2024	11:21
SSTDICC060	SSTDICC060	BF140338.D	11/13/2024	11:47
SSTDICC080	SSTDICC080	BF140339.D	11/13/2024	12:13
SSTDICCC040	SSTDICCC040	BF140340.D	11/13/2024	12:48

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM SAS No.: P4722 SDG NO.: P4722

Lab File ID: BF140365.D DFTPP Injection Date: 11/14/2024

Instrument ID: BNA_F DFTPP Injection Time: 16:35

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	38.3
68	Less than 2.0% of mass 69	0.7 (1.8) 1
69	Mass 69 relative abundance	39.7
70	Less than 2.0% of mass 69	0.3 (0.6) 1
127	10.0 - 80.0% of mass 198	48.6
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	28.2
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	12.8
442	Greater than 50% of mass 198	82.7
443	15.0 - 24.0% of mass 442	15.3 (18.4) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF140366.D	11/14/2024	17:02
WC-2(0-6)	P4722-10	BF140368.D	11/14/2024	17:59
WC-3(0-6)	P4722-15	BF140369.D	11/14/2024	18:25

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM SAS No.: P4722 SDG NO.: P4722

Lab File ID: BF140390.D DFTPP Injection Date: 11/15/2024

Instrument ID: BNA_F DFTPP Injection Time: 09:16

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	38
68	Less than 2.0% of mass 69	0.7 (1.7) 1
69	Mass 69 relative abundance	38.4
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	49
197	Less than 2.0% of mass 198	0.8
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	27.5
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	13.2
442	Greater than 50% of mass 198	83
443	15.0 - 24.0% of mass 442	15.9 (19.1) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF140391.D	11/15/2024	09:42
PB164886BS	PB164886BS	BF140394.D	11/15/2024	11:00

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM SAS No.: P4722 SDG NO.: P4722

Lab File ID: BF140526.D DFTPP Injection Date: 11/21/2024

Instrument ID: BNA_F DFTPP Injection Time: 10:17

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	33.3
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	35.5
70	Less than 2.0% of mass 69	0.3 (0.7) 1
127	10.0 - 80.0% of mass 198	48
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	29.2
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	15.7
442	Greater than 50% of mass 198	99.8
443	15.0 - 24.0% of mass 442	18.1 (18.1) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF140528.D	11/21/2024	11:13
SSTDICC005	SSTDICC005	BF140529.D	11/21/2024	11:39
SSTDICC010	SSTDICC010	BF140530.D	11/21/2024	12:05
SSTDICC020	SSTDICC020	BF140531.D	11/21/2024	12:32
SSTDICCC040	SSTDICCC040	BF140532.D	11/21/2024	12:58
SSTDICC050	SSTDICC050	BF140533.D	11/21/2024	13:25
SSTDICC060	SSTDICC060	BF140534.D	11/21/2024	13:51
SSTDICC080	SSTDICC080	BF140535.D	11/21/2024	14:18

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM SAS No.: P4722 SDG NO.: P4722

Lab File ID: BF140589.D DFTPP Injection Date: 11/25/2024

Instrument ID: BNA_F DFTPP Injection Time: 09:07

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	34.8
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	36.7
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	48.2
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	6.4
275	10.0 - 60.0% of mass 198	28.6
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	15.5
442	Greater than 50% of mass 198	98.2
443	15.0 - 24.0% of mass 442	18.5 (18.9) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF140590.D	11/25/2024	09:33
PB164886TB	PB164886TB	BF140599.D	11/25/2024	13:27

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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/12/2024

Lab File ID: BE101575.D Time Analyzed: 10:18

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	74030	7.553	315608	10.33	204281	14.17
	UPPER LIMIT	148060	8.053	631216	10.826	408562	14.669
	LOWER LIMIT	37015	7.053	157804	9.826	102141	13.669
	EPA SAMPLE NO.						
01	PB164886BL	43722	7.56	176416	10.32	107077	14.17
02	WC-1(0-6)	37247	7.55	175455	10.32	135773	14.16
03	WC-3(0-6)MS	40085	7.55	193126	10.32	136804	14.16
04	WC-3(0-6)MSD	43626	7.55	201868	10.32	141265	14.17

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.

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

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/12/2024

Lab File ID: BE101575.D Time Analyzed: 10:18

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	460719	16.907	529921	21.072	667920	23.352
	UPPER LIMIT	921438	17.407	1059840	21.572	1335840	23.852
	LOWER LIMIT	230360	16.407	264961	20.572	333960	22.852
	EPA SAMPLE NO.						
01	PB164886BL	234410	16.90	303518	21.07	454322	23.35
02	WC-1(0-6)	333737	16.90	375483	21.06	475775	23.35
03	WC-3(0-6)MS	318029	16.90	362423	21.07	463405	23.35
04	WC-3(0-6)MSD	336224	16.91	377212	21.07	473853	23.35

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.

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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/14/2024

Lab File ID: BF140366.D Time Analyzed: 17:02

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	130579	6.875	484942	8.16	265027	9.91
	UPPER LIMIT	261158	7.375	969884	8.657	530054	10.41
	LOWER LIMIT	65289.5	6.375	242471	7.657	132514	9.41
	EPA SAMPLE NO.						
01	WC-2(0-6)	124042	6.87	464909	8.15	252110	9.90
02	WC-3(0-6)	119391	6.87	441580	8.15	232299	9.90

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.

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

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/14/2024

Lab File ID: BF140366.D Time Analyzed: 17:02

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	494420	11.398	287889	14.062	258896	15.592
	UPPER LIMIT	988840	11.898	575778	14.562	517792	16.092
	LOWER LIMIT	247210	10.898	143945	13.562	129448	15.092
	EPA SAMPLE NO.						
01	WC-2(0-6)	459695	11.39	260161	14.05	261026	15.55
02	WC-3(0-6)	429770	11.39	232532	14.05	241777	15.55

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

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

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

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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/15/2024

Lab File ID: BF140391.D Time Analyzed: 09:42

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	137586	6.881	510501	8.16	282269	9.92
	UPPER LIMIT	275172	7.381	1021000	8.657	564538	10.416
	LOWER LIMIT	68793	6.381	255251	7.657	141135	9.416
	EPA SAMPLE NO.						
01	PB164886BS	150149	6.88	576878	8.16	316651	9.92

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

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

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

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

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/15/2024

Lab File ID: BF140391.D Time Analyzed: 09:42

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	532450	11.404	316907	14.063	286665	15.574
	UPPER LIMIT	1064900	11.904	633814	14.563	573330	16.074
	LOWER LIMIT	266225	10.904	158454	13.563	143333	15.074
	EPA SAMPLE NO.						
01	PB164886BS	599000	11.40	344150	14.07	315700	15.58

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.

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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/25/2024

Lab File ID: BF140590.D Time Analyzed: 09:33

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	105131	6.869	390145	8.15	212616	9.91
	UPPER LIMIT	210262	7.369	780290	8.651	425232	10.41
	LOWER LIMIT	52565.5	6.369	195073	7.651	106308	9.41
	EPA SAMPLE NO.						
01	PB164886TB	104822	6.87	403503	8.15	233025	9.90

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.

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

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/25/2024

Lab File ID: BF140590.D Time Analyzed: 09:33

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	399326	11.398	244297	14.051	211888	15.545
	UPPER LIMIT	798652	11.898	488594	14.551	423776	16.045
	LOWER LIMIT	199663	10.898	122149	13.551	105944	15.045
	EPA SAMPLE NO.						
01	PB164886TB	439175	11.40	240574	14.05	200437	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.

QC SAMPLE DATA

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	PB164886BL	SDG No.:	P4722
Lab Sample ID:	PB164886BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SPLP BNA
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
BE101576.D	1	11/10/24 13:32	11/12/24 11:11	PB164886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	4.00	U	4.00	10.0	ug/L
108-95-2	Phenol	0.93	U	0.93	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.20	U	1.20	5.00	ug/L
95-57-8	2-Chlorophenol	0.71	U	0.71	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)	1.40	U	1.40	5.00	ug/L
98-86-2	Acetophenone	1.10	U	1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	1.20	U	1.20	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.50	U	1.50	2.50	ug/L
67-72-1	Hexachloroethane	1.00	U	1.00	5.00	ug/L
98-95-3	Nitrobenzene	1.30	U	1.30	5.00	ug/L
78-59-1	Isophorone	1.10	U	1.10	5.00	ug/L
88-75-5	2-Nitrophenol	2.00	U	2.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	1.50	U	1.50	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1.00	U	1.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	0.88	U	0.88	5.00	ug/L
91-20-3	Naphthalene	1.00	U	1.00	5.00	ug/L
106-47-8	4-Chloroaniline	1.30	U	1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	1.30	U	1.30	5.00	ug/L
105-60-2	Caprolactam	1.70	U	1.70	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	0.84	U	0.84	5.00	ug/L
91-57-6	2-Methylnaphthalene	1.10	U	1.10	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	5.00	U	5.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	0.89	U	0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	1.00	U	1.00	5.00	ug/L
92-52-4	1,1-Biphenyl	0.91	U	0.91	5.00	ug/L
91-58-7	2-Chloronaphthalene	0.97	U	0.97	5.00	ug/L
88-74-4	2-Nitroaniline	1.40	U	1.40	5.00	ug/L
131-11-3	Dimethylphthalate	0.93	U	0.93	5.00	ug/L

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	PB164886BL	SDG No.:	P4722
Lab Sample ID:	PB164886BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SPLP BNA
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
BE101576.D	1	11/10/24 13:32	11/12/24 11:11	PB164886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	1.00	U	1.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	1.20	U	1.20	5.00	ug/L
99-09-2	3-Nitroaniline	1.40	U	1.40	5.00	ug/L
83-32-9	Acenaphthene	0.81	U	0.81	5.00	ug/L
51-28-5	2,4-Dinitrophenol	6.40	U	6.40	10.0	ug/L
100-02-7	4-Nitrophenol	2.00	U	2.00	10.0	ug/L
132-64-9	Dibenzofuran	0.93	U	0.93	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	1.50	U	1.50	5.00	ug/L
84-66-2	Diethylphthalate	1.00	U	1.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.98	U	0.98	5.00	ug/L
86-73-7	Fluorene	0.96	U	0.96	5.00	ug/L
100-01-6	4-Nitroaniline	2.00	U	2.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.10	U	3.10	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	0.89	U	0.89	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	0.95	U	0.95	5.00	ug/L
118-74-1	Hexachlorobenzene	1.10	U	1.10	5.00	ug/L
1912-24-9	Atrazine	1.30	U	1.30	5.00	ug/L
87-86-5	Pentachlorophenol	1.90	U	1.90	10.0	ug/L
85-01-8	Phenanthrene	0.89	U	0.89	5.00	ug/L
120-12-7	Anthracene	1.10	U	1.10	5.00	ug/L
86-74-8	Carbazole	1.20	U	1.20	5.00	ug/L
84-74-2	Di-n-butylphthalate	1.50	U	1.50	5.00	ug/L
206-44-0	Fluoranthene	1.30	U	1.30	5.00	ug/L
129-00-0	Pyrene	1.10	U	1.10	5.00	ug/L
85-68-7	Butylbenzylphthalate	2.10	U	2.10	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	1.30	U	1.30	10.0	ug/L
56-55-3	Benzo(a)anthracene	0.94	U	0.94	5.00	ug/L
218-01-9	Chrysene	0.86	U	0.86	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.90	U	1.90	5.00	ug/L
117-84-0	Di-n-octyl phthalate	2.50	U	2.50	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	1.10	U	1.10	5.00	ug/L

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	PB164886BL	SDG No.:	P4722
Lab Sample ID:	PB164886BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SPLP BNA
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
BE101576.D	1	11/10/24 13:32	11/12/24 11:11	PB164886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	1.20	U	1.20	5.00	ug/L
50-32-8	Benzo(a)pyrene	1.70	U	1.70	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1.00	U	1.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.20	U	1.20	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	1.20	U	1.20	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.10	U	1.10	5.00	ug/L
123-91-1	1,4-Dioxane	1.30	U	1.30	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.79	U	0.79	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	153		10 - 139	102%	SPK: 150
13127-88-3	Phenol-d6	135		10 - 134	90%	SPK: 150
4165-60-0	Nitrobenzene-d5	98.0		49 - 133	98%	SPK: 100
321-60-8	2-Fluorobiphenyl	103		52 - 132	103%	SPK: 100
118-79-6	2,4,6-Tribromophenol	125		44 - 137	83%	SPK: 150
1718-51-0	Terphenyl-d14	99.2		48 - 125	99%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	43700	7.555			
1146-65-2	Naphthalene-d8	176000	10.322			
15067-26-2	Acenaphthene-d10	107000	14.165			
1517-22-2	Phenanthrene-d10	234000	16.903			
1719-03-5	Chrysene-d12	304000	21.069			
1520-96-3	Perylene-d12	454000	23.348			

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

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	PB164886BS	SDG No.:	P4722
Lab Sample ID:	PB164886BS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SPLP BNA
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
BF140394.D	1	11/10/24 13:32	11/15/24 11:00	PB164886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	4.00	U	4.00	10.0	ug/L
108-95-2	Phenol	40.9		0.93	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	43.2		1.20	5.00	ug/L
95-57-8	2-Chlorophenol	44.2		0.71	5.00	ug/L
95-48-7	2-Methylphenol	42.1		1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	41.0		1.40	5.00	ug/L
98-86-2	Acetophenone	41.8		1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	42.5		1.20	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	41.1		1.50	2.50	ug/L
67-72-1	Hexachloroethane	42.0		1.00	5.00	ug/L
98-95-3	Nitrobenzene	40.3		1.30	5.00	ug/L
78-59-1	Isophorone	41.5		1.10	5.00	ug/L
88-75-5	2-Nitrophenol	43.7		2.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	50.9		1.50	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	40.8		1.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	42.7		0.88	5.00	ug/L
91-20-3	Naphthalene	41.2		1.00	5.00	ug/L
106-47-8	4-Chloroaniline	31.3		1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	40.5		1.30	5.00	ug/L
105-60-2	Caprolactam	44.2		1.70	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	42.7		0.84	5.00	ug/L
91-57-6	2-Methylnaphthalene	41.5		1.10	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	170	E	5.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	43.0		0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	42.3		1.00	5.00	ug/L
92-52-4	1,1-Biphenyl	41.2		0.91	5.00	ug/L
91-58-7	2-Chloronaphthalene	41.0		0.97	5.00	ug/L
88-74-4	2-Nitroaniline	44.4		1.40	5.00	ug/L
131-11-3	Dimethylphthalate	42.8		0.93	5.00	ug/L

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	PB164886BS	SDG No.:	P4722
Lab Sample ID:	PB164886BS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SPLP BNA
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
BF140394.D	1	11/10/24 13:32	11/15/24 11:00	PB164886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	45.0		1.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	41.5		1.20	5.00	ug/L
99-09-2	3-Nitroaniline	33.0		1.40	5.00	ug/L
83-32-9	Acenaphthene	48.4		0.81	5.00	ug/L
51-28-5	2,4-Dinitrophenol	96.7	E	6.40	10.0	ug/L
100-02-7	4-Nitrophenol	89.1	E	2.00	10.0	ug/L
132-64-9	Dibenzofuran	43.3		0.93	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	44.1		1.50	5.00	ug/L
84-66-2	Diethylphthalate	42.3		1.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	41.5		0.98	5.00	ug/L
86-73-7	Fluorene	42.1		0.96	5.00	ug/L
100-01-6	4-Nitroaniline	43.7		2.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	49.0		3.10	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	43.7		0.89	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	42.1		0.95	5.00	ug/L
118-74-1	Hexachlorobenzene	42.3		1.10	5.00	ug/L
1912-24-9	Atrazine	35.1		1.30	5.00	ug/L
87-86-5	Pentachlorophenol	83.4	E	1.90	10.0	ug/L
85-01-8	Phenanthrene	43.7		0.89	5.00	ug/L
120-12-7	Anthracene	45.3		1.10	5.00	ug/L
86-74-8	Carbazole	43.0		1.20	5.00	ug/L
84-74-2	Di-n-butylphthalate	41.4		1.50	5.00	ug/L
206-44-0	Fluoranthene	42.0		1.30	5.00	ug/L
129-00-0	Pyrene	46.1		1.10	5.00	ug/L
85-68-7	Butylbenzylphthalate	46.2		2.10	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	38.3		1.30	10.0	ug/L
56-55-3	Benzo(a)anthracene	45.8		0.94	5.00	ug/L
218-01-9	Chrysene	45.0		0.86	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	44.4		1.90	5.00	ug/L
117-84-0	Di-n-octyl phthalate	43.7		2.50	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	38.5		1.10	5.00	ug/L

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	PB164886BS	SDG No.:	P4722
Lab Sample ID:	PB164886BS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SPLP BNA
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
BF140394.D	1	11/10/24 13:32	11/15/24 11:00	PB164886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	46.7		1.20	5.00	ug/L
50-32-8	Benzo(a)pyrene	46.7		1.70	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	46.0		1.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	45.3		1.20	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	41.5		1.20	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	41.9		1.10	5.00	ug/L
123-91-1	1,4-Dioxane	36.8		1.30	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	46.8		0.79	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	123		10 - 139	82%	SPK: 150
13127-88-3	Phenol-d6	118		10 - 134	78%	SPK: 150
4165-60-0	Nitrobenzene-d5	84.1		49 - 133	84%	SPK: 100
321-60-8	2-Fluorobiphenyl	82.2		52 - 132	82%	SPK: 100
118-79-6	2,4,6-Tribromophenol	130		44 - 137	87%	SPK: 150
1718-51-0	Terphenyl-d14	93.2		48 - 125	93%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	150000	6.875			
1146-65-2	Naphthalene-d8	577000	8.157			
15067-26-2	Acenaphthene-d10	317000	9.916			
1517-22-2	Phenanthrene-d10	599000	11.404			
1719-03-5	Chrysene-d12	344000	14.068			
1520-96-3	Perylene-d12	316000	15.58			

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

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-3(0-6)MS	SDG No.:	P4722
Lab Sample ID:	P4722-15MS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SPLP BNA
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
BE101581.D	1	11/10/24 13:32	11/12/24 14:13	PB164886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	7.60	J	4.00	10.0	ug/L
108-95-2	Phenol	17.5		0.93	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	41.5		1.20	5.00	ug/L
95-57-8	2-Chlorophenol	37.7		0.71	5.00	ug/L
95-48-7	2-Methylphenol	34.4		1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	45.4		1.40	5.00	ug/L
98-86-2	Acetophenone	42.0		1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	30.4		1.20	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	46.1		1.50	2.50	ug/L
67-72-1	Hexachloroethane	24.2		1.00	5.00	ug/L
98-95-3	Nitrobenzene	41.0		1.30	5.00	ug/L
78-59-1	Isophorone	44.1		1.10	5.00	ug/L
88-75-5	2-Nitrophenol	41.0		2.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	49.7		1.50	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	43.7		1.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	41.6		0.88	5.00	ug/L
91-20-3	Naphthalene	36.6		1.00	5.00	ug/L
106-47-8	4-Chloroaniline	21.1		1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	26.9		1.30	5.00	ug/L
105-60-2	Caprolactam	7.40	J	1.70	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	39.7		0.84	5.00	ug/L
91-57-6	2-Methylnaphthalene	41.1		1.10	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	120	E	5.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	44.0		0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	42.6		1.00	5.00	ug/L
92-52-4	1,1-Biphenyl	42.4		0.91	5.00	ug/L
91-58-7	2-Chloronaphthalene	40.8		0.97	5.00	ug/L
88-74-4	2-Nitroaniline	48.3		1.40	5.00	ug/L
131-11-3	Dimethylphthalate	45.8		0.93	5.00	ug/L

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-3(0-6)MS	SDG No.:	P4722
Lab Sample ID:	P4722-15MS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SPLP BNA
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
BE101581.D	1	11/10/24 13:32	11/12/24 14:13	PB164886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	46.3		1.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	43.0		1.20	5.00	ug/L
99-09-2	3-Nitroaniline	27.5		1.40	5.00	ug/L
83-32-9	Acenaphthene	45.1		0.81	5.00	ug/L
51-28-5	2,4-Dinitrophenol	96.6	E	6.40	10.0	ug/L
100-02-7	4-Nitrophenol	36.6		2.00	10.0	ug/L
132-64-9	Dibenzofuran	45.2		0.93	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	45.7		1.50	5.00	ug/L
84-66-2	Diethylphthalate	46.8		1.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	44.7		0.98	5.00	ug/L
86-73-7	Fluorene	46.1		0.96	5.00	ug/L
100-01-6	4-Nitroaniline	43.9		2.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	47.1		3.10	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	46.5		0.89	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	44.6		0.95	5.00	ug/L
118-74-1	Hexachlorobenzene	43.5		1.10	5.00	ug/L
1912-24-9	Atrazine	60.6		1.30	5.00	ug/L
87-86-5	Pentachlorophenol	89.1	E	1.90	10.0	ug/L
85-01-8	Phenanthrene	48.0		0.89	5.00	ug/L
120-12-7	Anthracene	50.0		1.10	5.00	ug/L
86-74-8	Carbazole	46.8		1.20	5.00	ug/L
84-74-2	Di-n-butylphthalate	48.6		1.50	5.00	ug/L
206-44-0	Fluoranthene	46.5		1.30	5.00	ug/L
129-00-0	Pyrene	46.9		1.10	5.00	ug/L
85-68-7	Butylbenzylphthalate	48.5		2.10	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	33.6		1.30	10.0	ug/L
56-55-3	Benzo(a)anthracene	47.8		0.94	5.00	ug/L
218-01-9	Chrysene	48.0		0.86	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	49.1		1.90	5.00	ug/L
117-84-0	Di-n-octyl phthalate	49.6		2.50	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	45.4		1.10	5.00	ug/L

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-3(0-6)MS	SDG No.:	P4722
Lab Sample ID:	P4722-15MS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SPLP BNA
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
BE101581.D	1	11/10/24 13:32	11/12/24 14:13	PB164886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	48.8		1.20	5.00	ug/L
50-32-8	Benzo(a)pyrene	49.3		1.70	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	48.2		1.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	48.4		1.20	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	42.8		1.20	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	39.5		1.10	5.00	ug/L
123-91-1	1,4-Dioxane	18.0		1.30	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	45.3		0.79	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	68.4		10 - 139	46%	SPK: 150
13127-88-3	Phenol-d6	41.5		10 - 134	28%	SPK: 150
4165-60-0	Nitrobenzene-d5	87.1		49 - 133	87%	SPK: 100
321-60-8	2-Fluorobiphenyl	87.7		52 - 132	88%	SPK: 100
118-79-6	2,4,6-Tribromophenol	129		44 - 137	86%	SPK: 150
1718-51-0	Terphenyl-d14	98.2		48 - 125	98%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	40100	7.552			
1146-65-2	Naphthalene-d8	193000	10.32			
15067-26-2	Acenaphthene-d10	137000	14.162			
1517-22-2	Phenanthrene-d10	318000	16.9			
1719-03-5	Chrysene-d12	362000	21.066			
1520-96-3	Perylene-d12	463000	23.346			

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

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-3(0-6)MSD	SDG No.:	P4722
Lab Sample ID:	P4722-15MSD	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SPLP BNA
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
BE101582.D	1	11/10/24 13:32	11/12/24 14:49	PB164886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	7.50	J	4.00	10.0	ug/L
108-95-2	Phenol	16.8		0.93	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	40.1		1.20	5.00	ug/L
95-57-8	2-Chlorophenol	36.5		0.71	5.00	ug/L
95-48-7	2-Methylphenol	32.7		1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	44.5		1.40	5.00	ug/L
98-86-2	Acetophenone	41.6		1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	28.9		1.20	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	44.3		1.50	2.50	ug/L
67-72-1	Hexachloroethane	24.4		1.00	5.00	ug/L
98-95-3	Nitrobenzene	41.2		1.30	5.00	ug/L
78-59-1	Isophorone	44.0		1.10	5.00	ug/L
88-75-5	2-Nitrophenol	41.2		2.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	49.2		1.50	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	43.5		1.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	41.2		0.88	5.00	ug/L
91-20-3	Naphthalene	37.0		1.00	5.00	ug/L
106-47-8	4-Chloroaniline	19.8		1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	27.6		1.30	5.00	ug/L
105-60-2	Caprolactam	7.20	J	1.70	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	39.4		0.84	5.00	ug/L
91-57-6	2-Methylnaphthalene	41.1		1.10	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	130	E	5.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	44.2		0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	43.4		1.00	5.00	ug/L
92-52-4	1,1-Biphenyl	42.8		0.91	5.00	ug/L
91-58-7	2-Chloronaphthalene	41.0		0.97	5.00	ug/L
88-74-4	2-Nitroaniline	48.4		1.40	5.00	ug/L
131-11-3	Dimethylphthalate	46.0		0.93	5.00	ug/L

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-3(0-6)MSD	SDG No.:	P4722
Lab Sample ID:	P4722-15MSD	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SPLP BNA
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
BE101582.D	1	11/10/24 13:32	11/12/24 14:49	PB164886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	47.0		1.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	43.7		1.20	5.00	ug/L
99-09-2	3-Nitroaniline	27.3		1.40	5.00	ug/L
83-32-9	Acenaphthene	45.4		0.81	5.00	ug/L
51-28-5	2,4-Dinitrophenol	97.8	E	6.40	10.0	ug/L
100-02-7	4-Nitrophenol	38.6		2.00	10.0	ug/L
132-64-9	Dibenzofuran	47.2		0.93	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	47.3		1.50	5.00	ug/L
84-66-2	Diethylphthalate	47.8		1.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	46.1		0.98	5.00	ug/L
86-73-7	Fluorene	48.1		0.96	5.00	ug/L
100-01-6	4-Nitroaniline	45.4		2.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	47.5		3.10	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	47.1		0.89	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	45.2		0.95	5.00	ug/L
118-74-1	Hexachlorobenzene	44.3		1.10	5.00	ug/L
1912-24-9	Atrazine	60.2		1.30	5.00	ug/L
87-86-5	Pentachlorophenol	91.2	E	1.90	10.0	ug/L
85-01-8	Phenanthrene	48.1		0.89	5.00	ug/L
120-12-7	Anthracene	49.1		1.10	5.00	ug/L
86-74-8	Carbazole	46.4		1.20	5.00	ug/L
84-74-2	Di-n-butylphthalate	48.6		1.50	5.00	ug/L
206-44-0	Fluoranthene	45.6		1.30	5.00	ug/L
129-00-0	Pyrene	47.4		1.10	5.00	ug/L
85-68-7	Butylbenzylphthalate	49.4		2.10	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	34.1		1.30	10.0	ug/L
56-55-3	Benzo(a)anthracene	48.2		0.94	5.00	ug/L
218-01-9	Chrysene	47.8		0.86	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	47.8		1.90	5.00	ug/L
117-84-0	Di-n-octyl phthalate	48.4		2.50	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	47.0		1.10	5.00	ug/L

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-3(0-6)MSD	SDG No.:	P4722
Lab Sample ID:	P4722-15MSD	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SPLP BNA
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
BE101582.D	1	11/10/24 13:32	11/12/24 14:49	PB164886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	52.1		1.20	5.00	ug/L
50-32-8	Benzo(a)pyrene	49.6		1.70	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	49.1		1.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	49.2		1.20	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	43.9		1.20	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	40.1		1.10	5.00	ug/L
123-91-1	1,4-Dioxane	17.6		1.30	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	47.8		0.79	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	67.3		10 - 139	45%	SPK: 150
13127-88-3	Phenol-d6	41.0		10 - 134	27%	SPK: 150
4165-60-0	Nitrobenzene-d5	88.0		49 - 133	88%	SPK: 100
321-60-8	2-Fluorobiphenyl	88.5		52 - 132	89%	SPK: 100
118-79-6	2,4,6-Tribromophenol	135		44 - 137	90%	SPK: 150
1718-51-0	Terphenyl-d14	97.3		48 - 125	97%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	43600	7.552			
1146-65-2	Naphthalene-d8	202000	10.319			
15067-26-2	Acenaphthene-d10	141000	14.168			
1517-22-2	Phenanthrene-d10	336000	16.906			
1719-03-5	Chrysene-d12	377000	21.065			
1520-96-3	Perylene-d12	474000	23.345			

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_E

Method Path : Z:\svoasrv\HPCHEM1\BNA_E\Methods\
Method File : 8270-BE110624.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Nov 07 00:01:20 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BE101493.D 5 =BE101494.D 10 =BE101495.D 20 =BE101496.D 40 =BE101497.D 50 =BE101498.D 60 =BE101499.D 80 =BE10150
0.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.495	0.458	0.438	0.406	0.378	0.394	0.378	0.421	10.54
3)		Pyridine		1.154	1.183	1.143	1.154	1.192	1.230	1.186	1.177	2.53
4)		n-Nitrosodimet...		0.509	0.465	0.446	0.445	0.461	0.473	0.464	0.466	4.58
5)	S	2-Fluorophenol		1.161	1.135	1.120	1.101	1.114	1.159	1.127	1.131	1.99
6)		Aniline		1.323	1.251	1.316	1.368	1.026	1.044	0.819	1.164	17.52
7)	S	Phenol-d6		1.494	1.525	1.558	1.540	1.571	1.617	1.551	1.551	2.49
8)		2-Chlorophenol		1.339	1.343	1.359	1.316	1.336	1.364	1.324	1.340	1.30
9)		Benzaldehyde		0.902	0.930	0.875	0.767	0.654	0.640	0.542	0.759	19.80
10)	C	Phenol		1.646	1.682	1.702	1.664	1.709	1.764	1.649	1.688	2.45
11)		bis(2-Chloroet...		1.362	1.474	1.392	1.165	1.446	1.447	1.497	1.397	8.03
12)		1,3-Dichlorobe...		1.573	1.526	1.491	1.424	1.410	1.437	1.379	1.463	4.74
13)	C	1,4-Dichlorobe...		1.565	1.543	1.508	1.444	1.437	1.464	1.412	1.482	3.89
14)		1,2-Dichlorobe...		1.559	1.496	1.481	1.418	1.416	1.435	1.378	1.455	4.20
15)		Benzyl Alcohol		0.791	0.861	0.910	0.919	0.958	0.977	0.926	0.906	6.94
16)		2,2'-oxybis(1-...		1.733	1.690	1.700	1.628	1.625	1.636	1.567	1.654	3.41
17)		2-Methylphenol		1.015	1.041	1.073	1.113	1.123	1.163	1.123	1.093	4.76
18)		Hexachloroethane		0.524	0.509	0.507	0.484	0.494	0.501	0.483	0.500	2.95
19)	P	n-Nitroso-di-n...	0.958	0.996	1.040	1.058	1.027	1.046	1.057	0.998	1.023	3.48
20)		3+4-Methylphenols		1.376	1.483	1.529	1.524	1.558	1.606	1.530	1.515	4.74
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.462	0.460	0.461	0.443	0.447	0.455	0.443	0.453	1.91
23)	S	Nitrobenzene-d5		0.313	0.316	0.318	0.312	0.318	0.325	0.313	0.317	1.46
24)		Nitrobenzene		0.325	0.329	0.330	0.324	0.329	0.338	0.330	0.329	1.41
25)		Isophorone		0.599	0.619	0.632	0.611	0.618	0.630	0.605	0.616	1.98
26)	C	2-Nitrophenol		0.159	0.167	0.175	0.174	0.182	0.187	0.183	0.175	5.41
27)		2,4-Dimethylph...		0.196	0.199	0.204	0.198	0.205	0.212	0.206	0.203	2.83
28)		bis(2-Chloroet...		0.376	0.383	0.386	0.371	0.375	0.381	0.369	0.377	1.65
29)	C	2,4-Dichloroph...		0.275	0.279	0.289	0.283	0.294	0.302	0.294	0.288	3.35
30)		1,2,4-Trichlor...		0.344	0.326	0.323	0.311	0.313	0.321	0.312	0.321	3.63
31)		Naphthalene		1.071	1.033	1.027	0.983	0.983	1.003	0.968	1.010	3.58
32)		Benzoic acid			0.112	0.137	0.166	0.191	0.202	0.202	0.168	22.18
33)		4-Chloroaniline		0.342	0.364	0.371	0.358	0.356	0.361	0.334	0.355	3.65
34)	C	Hexachlorobuta...		0.209	0.198	0.202	0.192	0.195	0.198	0.193	0.198	2.95
35)		Caprolactam		0.097	0.107	0.107	0.107	0.106	0.111	0.105	0.106	4.09
36)	C	4-Chloro-3-met...		0.293	0.318	0.316	0.312	0.318	0.327	0.317	0.314	3.27
37)		2-Methylnaphth...		0.744	0.733	0.733	0.706	0.705	0.715	0.684	0.717	2.93
38)		1-Methylnaphth...		0.752	0.738	0.734	0.696	0.697	0.711	0.679	0.715	3.72

Method Path : Z:\svoasrv\HPCHEM1\BNA_E\Methods\
Method File : 8270-BE110624.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.546	0.518	0.535	0.513	0.519	0.535	0.525	0.527	2.24
41)	P	Hexachlorocycl...	0.106	0.128	0.153	0.167	0.175	0.178	0.171	0.154	17.72
42)	S	2,4,6-Tribromo...	0.388	0.391	0.391	0.369	0.364	0.375	0.357	0.376	3.64
43)	C	2,4,6-Trichlor...	0.358	0.352	0.360	0.358	0.361	0.376	0.369	0.362	2.21
44)		2,4,5-Trichlor...	0.390	0.381	0.402	0.400	0.411	0.425	0.415	0.403	3.71
45)	S	2-Fluorobiphenyl	1.353	1.295	1.299	1.204	1.160	1.163	1.100	1.225	7.52
46)		1,1'-Biphenyl	1.451	1.416	1.424	1.336	1.344	1.366	1.320	1.380	3.66
47)		2-Chloronaphth...	1.124	1.104	1.115	1.060	1.065	1.091	1.060	1.088	2.49
48)		2-Nitroaniline	0.248	0.273	0.292	0.288	0.300	0.312	0.302	0.288	7.44
49)		Acenaphthylene	1.664	1.660	1.661	1.584	1.586	1.629	1.565	1.622	2.62
50)		Dimethylphthalate	1.500	1.479	1.478	1.389	1.368	1.403	1.352	1.424	4.22
51)		2,6-Dinitrotol...	0.316	0.330	0.336	0.324	0.327	0.338	0.329	0.329	2.23
52)	C	Acenaphthene	1.116	1.075	1.080	1.007	0.996	1.007	0.962	1.035	5.38
53)		3-Nitroaniline	0.282	0.320	0.335	0.328	0.323	0.333	0.314	0.319	5.67
54)	P	2,4-Dinitrophenol		0.139	0.178	0.194	0.208	0.220	0.217	0.193	15.82
55)		Dibenzofuran	1.799	1.736	1.724	1.615	1.591	1.629	1.568	1.666	5.20
56)	P	4-Nitrophenol	0.197	0.235	0.278	0.275	0.274	0.295	0.290	0.264	13.26
57)		2,4-Dinitrotol...	0.426	0.456	0.480	0.460	0.463	0.482	0.466	0.462	3.99
58)		Fluorene	1.490	1.475	1.458	1.363	1.328	1.347	1.272	1.391	6.03
59)		2,3,4,6-Tetrac...	0.379	0.366	0.377	0.369	0.370	0.381	0.372	0.373	1.53
60)		Diethylphthalate	1.600	1.579	1.577	1.457	1.442	1.460	1.397	1.502	5.41
61)		4-Chlorophenyl...	0.757	0.736	0.733	0.689	0.680	0.692	0.657	0.706	5.12
62)		4-Nitroaniline	0.285	0.334	0.359	0.349	0.355	0.366	0.359	0.344	8.07
63)		Azobenzene	1.283	1.269	1.289	1.196	1.183	1.203	1.153	1.225	4.44
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...	0.084	0.104	0.117	0.123	0.131	0.136	0.135	0.119	15.97
66)	c	n-Nitrosodiphe...	0.550	0.534	0.545	0.519	0.526	0.533	0.509	0.531	2.68
67)		4-Bromophenyl-...	0.226	0.218	0.221	0.214	0.221	0.225	0.219	0.221	1.85
68)		Hexachlorobenzene	0.301	0.290	0.295	0.282	0.287	0.294	0.283	0.290	2.33
69)		Atrazine	0.202	0.187	0.151	0.171	0.121	0.135	0.130	0.157	19.70
70)	C	Pentachlorophenol	0.129	0.139	0.155	0.162	0.167	0.176	0.176	0.158	11.39
71)		Phenanthrene	1.067	1.000	1.016	0.942	0.936	0.947	0.901	0.973	5.87
72)		Anthracene	1.030	0.985	0.998	0.943	0.932	0.949	0.887	0.961	4.94
73)		Carbazole	1.030	1.003	1.001	0.940	0.924	0.947	0.899	0.963	5.00
74)		Di-n-butylphth...	1.312	1.269	1.261	1.170	1.128	1.121	1.068	1.190	7.68
75)	C	Fluoranthene	1.442	1.353	1.316	1.208	1.157	1.158	1.096	1.247	10.04
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.324	0.433	0.250	0.403	0.656	0.503	0.440	0.430	30.17
78)		Pyrene	1.201	1.158	1.199	1.130	1.125	1.117	1.036	1.138	4.95
79)	S	Terphenyl-d14	1.065	1.023	1.028	0.902	0.819	0.780	0.707	0.904	15.44
80)		Butylbenzylpht...	0.541	0.522	0.531	0.507	0.500	0.505	0.474	0.511	4.31
81)		Benzo(a)anthra...	1.334	1.258	1.258	1.170	1.138	1.118	1.040	1.188	8.47
82)		3,3'-Dichlorob...	0.466	0.474	0.480	0.469	0.478	0.467	0.439	0.468	2.92
83)		Chrysene	1.261	1.215	1.207	1.116	1.074	1.050	0.979	1.129	9.06
84)		Bis(2-ethylhex...	0.857	0.816	0.822	0.760	0.738	0.733	0.686	0.773	7.81
85)	c	Di-n-octyl pht...	1.510	1.430	1.383	1.284	1.226	1.203	1.119	1.308	10.60

Method Path : Z:\svoasrv\HPCHEM1\BNA_E\Methods\
Method File : 8270-BE110624.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.480	1.394	1.411	1.347	1.342	1.357	1.290	1.374	4.40
88)		Benzo(b)fluora...	1.220	1.158	1.107	1.056	1.053	1.073	1.014	1.097	6.46
89)		Benzo(k)fluora...	1.119	1.045	1.080	0.977	0.966	0.937	0.849	0.996	9.23
90)	C	Benzo(a)pyrene	1.023	0.974	0.977	0.926	0.923	0.931	0.877	0.947	5.02
91)		Dibenzo(a,h)an...	1.250	1.169	1.189	1.128	1.111	1.119	1.047	1.145	5.68
92)		Benzo(g,h,i)pe...	1.239	1.164	1.182	1.133	1.148	1.162	1.113	1.163	3.46

(#) = Out of Range

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF111324.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Nov 13 14:40:06 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BF140332.D 5 =BF140333.D 10 =BF140334.D 20 =BF140335.D 40 =BF140340.D 50 =BF140337.D 60 =BF140338.D 80 =BF1403
39.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.582	0.546	0.530	0.515	0.495	0.506	0.480	0.522	6.53
3)		Pyridine		1.430	1.343	1.323	1.316	1.189	1.237	1.147	1.283	7.61
4)		n-Nitrosodimet...		0.658	0.632	0.651	0.659	0.644	0.671	0.627	0.649	2.39
5)	S	2-Fluorophenol		1.329	1.257	1.223	1.150	1.090	1.118	1.032	1.171	8.84
6)		Aniline		1.587	1.527	1.495	1.451	1.267	1.270	1.066	1.381	13.42
7)	S	Phenol-d6		1.773	1.691	1.643	1.605	1.483	1.507	1.407	1.587	8.09
8)		2-Chlorophenol		1.397	1.349	1.332	1.263	1.176	1.184	1.106	1.258	8.49
9)		Benzaldehyde		1.101	1.087	1.017	0.891	0.828	0.783		0.951	14.32
10)	C	Phenol		1.799	1.793	1.743	1.724	1.582	1.597	1.478	1.674	7.31
11)		bis(2-Chloroet...		1.359	1.294	1.306	1.263	1.227	1.249	1.179	1.268	4.60
12)		1,3-Dichlorobe...		1.585	1.475	1.454	1.374	1.291	1.317	1.221	1.388	8.98
13)	C	1,4-Dichlorobe...		1.590	1.534	1.486	1.391	1.306	1.326	1.221	1.408	9.49
14)		1,2-Dichlorobe...		1.494	1.429	1.398	1.294	1.212	1.214	1.108	1.307	10.63
15)		Benzyl Alcohol		1.172	1.193	1.199	1.211	1.100	1.108	1.020	1.143	6.10
16)		2,2'-oxybis(1-...		1.906	1.826	1.815	1.816	1.666	1.684	1.549	1.752	7.01
17)		2-Methylphenol		1.092	1.062	1.072	1.064	0.998	1.016	0.942	1.035	5.07
18)		Hexachloroethane		0.562	0.543	0.550	0.514	0.500	0.506	0.468	0.520	6.30
19)	P	n-Nitroso-di-n...	1.032	1.029	1.003	0.986	0.982	0.883	0.905	0.848	0.959	7.30
20)		3+4-Methylphenols		1.436	1.427	1.359	1.351	1.200	1.198	1.091	1.294	10.21
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.532	0.508	0.481	0.450	0.434	0.441	0.411	0.465	9.35
23)	S	Nitrobenzene-d5		0.411	0.401	0.399	0.375	0.368	0.379	0.354	0.384	5.28
24)		Nitrobenzene		0.423	0.421	0.406	0.393	0.390	0.394	0.371	0.400	4.61
25)		Isophorone		0.736	0.702	0.692	0.674	0.654	0.671	0.634	0.680	4.87
26)	C	2-Nitrophenol		0.175	0.179	0.181	0.179	0.175	0.181	0.171	0.177	1.99
27)		2,4-Dimethylph...		0.238	0.236	0.232	0.223	0.221	0.227	0.214	0.227	3.86
28)		bis(2-Chloroet...		0.461	0.442	0.430	0.407	0.398	0.404	0.379	0.417	6.80
29)	C	2,4-Dichloroph...		0.307	0.296	0.287	0.275	0.272	0.272	0.255	0.281	6.20
30)		1,2,4-Trichlor...		0.346	0.331	0.325	0.302	0.298	0.301	0.283	0.312	7.15
31)		Naphthalene		1.160	1.105	1.064	0.982	0.950	0.955	0.886	1.015	9.60
32)		Benzoic acid		0.162	0.178	0.180	0.212	0.215	0.226	0.226	0.200	13.01
33)		4-Chloroaniline		0.390	0.386	0.370	0.340	0.333	0.340	0.311	0.353	8.36
34)	C	Hexachlorobuta...		0.220	0.214	0.210	0.193	0.188	0.190	0.178	0.199	7.73
35)		Caprolactam		0.098	0.093	0.094	0.092	0.091	0.095	0.089	0.093	3.27
36)	C	4-Chloro-3-met...		0.331	0.327	0.320	0.309	0.299	0.304	0.287	0.311	5.14
37)		2-Methylnaphth...		0.751	0.706	0.683	0.632	0.610	0.607	0.565	0.651	10.01
38)		1-Methylnaphth...		0.734	0.696	0.673	0.625	0.589	0.592	0.550	0.637	10.39

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF111324.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.646	0.585	0.583	0.531	0.524	0.517	0.485	0.553	9.85
41)	P	Hexachlorocycl...		0.111	0.143	0.139	0.156	0.159	0.145	0.142	12.04
42)	S	2,4,6-Tribromo...	0.220	0.211	0.207	0.193	0.191	0.189	0.182	0.199	6.88
43)	C	2,4,6-Trichlor...	0.380	0.374	0.374	0.360	0.360	0.352	0.341	0.363	3.87
44)		2,4,5-Trichlor...	0.421	0.417	0.412	0.389	0.387	0.390	0.361	0.397	5.41
45)	S	2-Fluorobiphenyl	1.524	1.396	1.351	1.172	1.125	1.110	1.031	1.244	14.50
46)		1,1'-Biphenyl	1.690	1.571	1.565	1.404	1.368	1.343	1.244	1.455	10.80
47)		2-Chloronaphth...	1.279	1.182	1.149	1.065	1.064	1.049	0.971	1.108	9.20
48)		2-Nitroaniline	0.378	0.365	0.384	0.364	0.365	0.366	0.351	0.368	2.91
49)		Acenaphthylene	1.940	1.802	1.786	1.636	1.582	1.552	1.441	1.677	10.29
50)		Dimethylphthalate	1.464	1.358	1.371	1.261	1.246	1.244	1.181	1.304	7.47
51)		2,6-Dinitrotol...	0.317	0.303	0.313	0.297	0.291	0.289	0.268	0.297	5.57
52)	C	Acenaphthene	1.259	1.204	1.192	1.096	1.091	1.079	1.006	1.133	7.78
53)		3-Nitroaniline	0.333	0.327	0.335	0.310	0.307	0.298	0.275	0.312	6.92
54)	P	2,4-Dinitrophenol		0.109	0.148	0.147	0.178	0.170	0.168	0.153	16.27
55)		Dibenzofuran	1.904	1.736	1.715	1.558	1.502	1.466	1.344	1.603	11.92
56)	P	4-Nitrophenol	0.199	0.217	0.239	0.236	0.240	0.237	0.225	0.228	6.67
57)		2,4-Dinitrotol...	0.414	0.400	0.417	0.387	0.387	0.382	0.351	0.391	5.77
58)		Fluorene	1.525	1.403	1.365	1.202	1.168	1.137	1.066	1.267	13.14
59)		2,3,4,6-Tetrac...	0.322	0.328	0.326	0.318	0.308	0.302	0.288	0.313	4.61
60)		Diethylphthalate	1.525	1.417	1.398	1.287	1.272	1.246	1.185	1.333	8.85
61)		4-Chlorophenyl...	0.739	0.688	0.669	0.604	0.583	0.567	0.528	0.625	12.01
62)		4-Nitroaniline	0.335	0.325	0.328	0.319	0.316	0.313	0.297	0.319	3.86
63)		Azobenzene	1.498	1.391	1.380	1.293	1.251	1.244	1.163	1.317	8.55
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...	0.080	0.098	0.113	0.109	0.117	0.120	0.116	0.108	13.00
66)	c	n-Nitrosodiphe...	0.651	0.630	0.600	0.559	0.541	0.541	0.522	0.578	8.57
67)		4-Bromophenyl-...	0.227	0.210	0.209	0.194	0.191	0.188	0.180	0.200	8.14
68)		Hexachlorobenzene	0.251	0.242	0.232	0.218	0.209	0.215	0.208	0.225	7.54
69)		Atrazine	0.191	0.183	0.135	0.145	0.155	0.205	0.209	0.175	17.03
70)	C	Pentachlorophenol	0.097	0.108	0.124	0.127	0.131	0.130	0.130	0.121	10.87
71)		Phenanthrene	1.096	1.053	0.986	0.903	0.868	0.851	0.820	0.940	11.33
72)		Anthracene	1.071	1.018	0.966	0.889	0.860	0.839	0.803	0.921	10.81
73)		Carbazole	1.053	1.009	0.963	0.876	0.846	0.834	0.783	0.909	11.02
74)		Di-n-butylphth...	1.214	1.177	1.150	1.074	1.036	1.023	0.964	1.091	8.37
75)	C	Fluoranthene	1.256	1.201	1.141	1.018	0.962	0.933	0.867	1.054	13.92
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.634	0.684	0.653	0.742	0.953	0.939	0.768	18.64
78)		Pyrene	1.748	1.706	1.643	1.679	1.728	1.800	1.672	1.711	3.08
79)	S	Terphenyl-d14	1.226	1.185	1.108	1.123	1.139	1.190	1.093	1.152	4.26
80)		Butylbenzylpht...	0.640	0.638	0.654	0.690	0.670	0.681	0.628	0.657	3.56
81)		Benzo(a)anthra...	1.451	1.418	1.351	1.263	1.229	1.294	1.195	1.314	7.31
82)		3,3'-Dichlorob...	0.438	0.431	0.433	0.402	0.406	0.416	0.399	0.418	3.79
83)		Chrysene	1.394	1.241	1.235	1.168	1.137	1.123	1.099	1.199	8.44
84)		Bis(2-ethylhex...	0.886	0.890	0.897	0.927	0.858	0.869	0.813	0.877	4.07
85)	c	Di-n-octyl pht...	1.231	1.217	1.270	1.290	1.187	1.241	1.212	1.235	2.86

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF111324.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.116	1.150	1.138	1.258	1.316	1.354	1.317	1.235	8.02
88)		Benzo(b)fluora...	1.405	1.352	1.471	1.263	1.235	1.233	1.199	1.308	7.82
89)		Benzo(k)fluora...	1.286	1.241	1.120	1.060	0.952	0.935	0.888	1.069	14.47
90)	C	Benzo(a)pyrene	1.100	1.053	1.054	1.005	0.970	0.980	0.948	1.016	5.40
91)		Dibenzo(a,h)an...	0.941	0.952	0.944	1.039	1.074	1.121	1.077	1.021	7.30
92)		Benzo(g,h,i)pe...	0.941	0.963	0.954	1.063	1.122	1.146	1.120	1.044	8.55

(#) = Out of Range

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF112124.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Nov 21 15:23:48 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BF140528.D 5 =BF140529.D 10 =BF140530.D 20 =BF140531.D 40 =BF140532.D 50 =BF140533.D 60 =BF140534.D 80 =BF1405
35.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.501	0.502	0.576	0.489	0.452	0.454	0.477	0.493	8.46
3)		Pyridine		0.981	1.019	1.121	1.192	1.062	1.087	1.128	1.084	6.54
4)		n-Nitrosodimet...		0.616	0.611	0.661	0.648	0.632	0.632	0.660	0.637	3.15
5)	S	2-Fluorophenol		1.261	1.233	1.202	1.174	1.117	1.127	1.091	1.172	5.40
6)		Aniline		1.159	1.195	1.133	1.251	1.042	1.020	0.835	1.091	12.73
7)	S	Phenol-d6		1.729	1.617	1.559	1.602	1.465	1.470	1.407	1.550	7.14
8)		2-Chlorophenol		1.385	1.328	1.278	1.283	1.201	1.208	1.145	1.261	6.51
9)		Benzaldehyde			1.007	0.970	0.738	0.752	0.635		0.820	19.55
10)	C	Phenol		1.723	1.648	1.620	1.667	1.514	1.490	1.417	1.583	6.98
11)		bis(2-Chloroet...		1.292	1.242	1.214	1.246	1.146	1.200	1.138	1.211	4.56
12)		1,3-Dichlorobe...		1.600	1.493	1.433	1.399	1.345	1.361	1.288	1.417	7.31
13)	C	1,4-Dichlorobe...		1.613	1.501	1.456	1.428	1.358	1.372	1.314	1.435	7.04
14)		1,2-Dichlorobe...		1.503	1.434	1.375	1.355	1.268	1.266	1.210	1.344	7.71
15)		Benzyl Alcohol		1.234	1.174	1.161	1.224	1.113	1.090	1.048	1.149	5.98
16)		2,2'-oxybis(1-...		1.650	1.480	1.434	1.463	1.335	1.377	1.276	1.431	8.43
17)		2-Methylphenol		1.121	1.034	1.033	1.042	0.956	0.959	0.922	1.009	6.74
18)		Hexachloroethane		0.598	0.545	0.549	0.537	0.514	0.510	0.499	0.536	6.17
19)	P	n-Nitroso-di-n...	0.972	1.002	0.949	0.916	0.946	0.856	0.857	0.829	0.916	6.82
20)		3+4-Methylphenols		1.495	1.362	1.305	1.347	1.211	1.209	1.154	1.298	8.98
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.536	0.511	0.494	0.481	0.463	0.460	0.468	0.488	5.75
23)	S	Nitrobenzene-d5		0.409	0.403	0.395	0.392	0.377	0.377	0.383	0.391	3.21
24)		Nitrobenzene		0.439	0.409	0.409	0.401	0.388	0.391	0.392	0.404	4.35
25)		Isophorone		0.694	0.654	0.657	0.662	0.629	0.634	0.635	0.652	3.44
26)	C	2-Nitrophenol		0.178	0.172	0.185	0.180	0.178	0.180	0.180	0.179	2.17
27)		2,4-Dimethylph...		0.221	0.214	0.213	0.224	0.204	0.207	0.218	0.214	3.40
28)		bis(2-Chloroet...		0.428	0.408	0.403	0.397	0.378	0.384	0.383	0.397	4.37
29)	C	2,4-Dichloroph...		0.301	0.291	0.290	0.282	0.277	0.274	0.271	0.284	3.82
30)		1,2,4-Trichlor...		0.342	0.338	0.332	0.317	0.317	0.312	0.312	0.324	3.91
31)		Naphthalene		1.116	1.075	1.062	1.013	0.993	0.983	0.970	1.030	5.32
32)		Benzoic acid			0.101	0.126	0.177	0.185	0.192	0.202	0.164	24.72
33)		4-Chloroaniline		0.308	0.318	0.309	0.325	0.303	0.308	0.289	0.308	3.71
34)	C	Hexachlorobuta...		0.227	0.225	0.219	0.212	0.209	0.207	0.204	0.215	4.15
35)		Caprolactam		0.091	0.091	0.091	0.090	0.085	0.085	0.083	0.088	3.99
36)	C	4-Chloro-3-met...		0.348	0.318	0.317	0.327	0.307	0.307	0.301	0.318	4.95
37)		2-Methylnaphth...		0.724	0.680	0.669	0.650	0.623	0.620	0.615	0.654	6.09
38)		1-Methylnaphth...		0.707	0.665	0.659	0.638	0.611	0.608	0.601	0.641	5.98

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF112124.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.635	0.604	0.606	0.563	0.561	0.565	0.565	0.586	5.02
41)	P	Hexachlorocycl...		0.055	0.090	0.114	0.121	0.129	0.133	0.107	27.80
42)	S	2,4,6-Tribromo...	0.222	0.209	0.220	0.216	0.210	0.210	0.211	0.214	2.52
43)	C	2,4,6-Trichlor...	0.384	0.358	0.375	0.366	0.364	0.360	0.365	0.367	2.45
44)		2,4,5-Trichlor...	0.402	0.396	0.410	0.404	0.390	0.397	0.392	0.399	1.80
45)	S	2-Fluorobiphenyl	1.550	1.402	1.423	1.291	1.255	1.240	1.235	1.342	8.90
46)		1,1'-Biphenyl	1.666	1.530	1.563	1.447	1.427	1.418	1.403	1.493	6.50
47)		2-Chloronaphth...	1.251	1.145	1.162	1.106	1.082	1.084	1.091	1.131	5.39
48)		2-Nitroaniline	0.367	0.351	0.379	0.367	0.363	0.357	0.359	0.363	2.50
49)		Acenaphthylene	1.890	1.765	1.808	1.662	1.628	1.623	1.590	1.710	6.58
50)		Dimethylphthalate	1.455	1.329	1.346	1.299	1.267	1.270	1.254	1.317	5.28
51)		2,6-Dinitrotol...	0.314	0.299	0.307	0.301	0.291	0.293	0.286	0.299	3.24
52)	C	Acenaphthene	1.182	1.110	1.134	1.063	1.052	1.037	1.026	1.086	5.29
53)		3-Nitroaniline	0.307	0.297	0.309	0.300	0.289	0.281	0.262	0.292	5.71
54)	P	2,4-Dinitrophenol		0.057	0.089	0.140	0.145	0.150	0.154	0.122	32.70
55)		Dibenzofuran	1.898	1.739	1.739	1.622	1.559	1.531	1.509	1.657	8.53
56)	P	4-Nitrophenol		0.160	0.195	0.207	0.212	0.214	0.208	0.199	10.31
57)		2,4-Dinitrotol...	0.403	0.403	0.416	0.404	0.386	0.389	0.379	0.397	3.24
58)		Fluorene	1.509	1.409	1.399	1.295	1.263	1.224	1.210	1.330	8.37
59)		2,3,4,6-Tetrac...	0.307	0.296	0.308	0.312	0.305	0.305	0.312	0.306	1.72
60)		Diethylphthalate	1.495	1.375	1.393	1.311	1.292	1.268	1.234	1.338	6.66
61)		4-Chlorophenyl...	0.739	0.682	0.685	0.639	0.619	0.605	0.599	0.653	7.90
62)		4-Nitroaniline	0.307	0.301	0.315	0.312	0.310	0.309	0.291	0.306	2.67
63)		Azobenzene	1.406	1.320	1.320	1.235	1.205	1.206	1.179	1.267	6.55
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.073	0.090	0.110	0.110	0.117	0.113	0.102	16.74
66)	c	n-Nitrosodiphe...	0.632	0.618	0.597	0.578	0.577	0.580	0.558	0.591	4.39
67)		4-Bromophenyl-...	0.218	0.215	0.206	0.200	0.200	0.205	0.198	0.206	3.79
68)		Hexachlorobenzene	0.257	0.240	0.239	0.233	0.232	0.236	0.232	0.238	3.65
69)		Atrazine	0.181	0.171	0.131	0.140	0.147	0.196	0.198	0.166	16.37
70)	C	Pentachlorophenol		0.071	0.090	0.116	0.115	0.121	0.118	0.105	19.24
71)		Phenanthrene	1.074	1.020	0.970	0.944	0.925	0.916	0.881	0.961	6.87
72)		Anthracene	1.038	0.994	0.958	0.925	0.905	0.904	0.859	0.940	6.47
73)		Carbazole	1.004	0.949	0.930	0.889	0.876	0.862	0.821	0.905	6.75
74)		Di-n-butylphth...	1.144	1.075	1.074	1.023	1.021	1.007	0.967	1.044	5.56
75)	C	Fluoranthene	1.186	1.111	1.114	1.014	0.999	0.962	0.921	1.044	9.11
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.268	0.422	0.296	0.575	0.734	1.025	0.751	0.581	47.31
78)		Pyrene	1.905	1.801	1.897	1.853	1.791	1.898	1.799	1.849	2.79
79)	S	Terphenyl-d14	1.351	1.254	1.308	1.283	1.228	1.313	1.254	1.284	3.31
80)		Butylbenzylpht...	0.676	0.644	0.694	0.679	0.655	0.674	0.641	0.666	2.96
81)		Benzo(a)anthra...	1.409	1.319	1.379	1.286	1.295	1.338	1.242	1.324	4.30
82)		3,3'-Dichlorob...	0.375	0.383	0.393	0.413	0.406	0.419	0.394	0.397	4.03
83)		Chrysene	1.354	1.263	1.218	1.201	1.137	1.173	1.128	1.211	6.50
84)		Bis(2-ethylhex...	0.904	0.828	0.862	0.833	0.824	0.841	0.797	0.841	4.00
85)	c	Di-n-octyl pht...	1.198	1.133	1.147	1.132	1.147	1.169	1.121	1.150	2.29

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF112124.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.209	1.283	1.299	1.304	1.306	1.409	1.313	1.303	4.51
88)		Benzo(b)fluora...	1.347	1.256	1.380	1.186	1.248	1.207	1.168	1.256	6.41
89)		Benzo(k)fluora...	1.243	1.236	1.059	1.101	1.022	1.055	0.980	1.099	9.34
90)	C	Benzo(a)pyrene	1.062	1.050	1.063	1.007	0.998	1.014	0.957	1.021	3.81
91)		Dibenzo(a,h)an...	1.015	1.038	1.063	1.068	1.075	1.149	1.064	1.067	3.90
92)		Benzo(g,h,i)pe...	1.033	1.090	1.078	1.085	1.094	1.161	1.083	1.089	3.48

(#) = 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: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG No.: P4722

Instrument ID: BNA_E Calibration Date/Time: 11/12/2024 10:18

Lab File ID: BE101575.D Init. Calib. Date(s): 11/06/2024 11/06/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 13:51 18:02

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.131	1.144		1.1	
Benzaldehyde	0.759	0.637		-16.1	
Phenol-d6	1.551	1.521		-1.9	
Phenol	1.688	1.674		-0.8	20.0
bis(2-Chloroethyl)ether	1.397	1.299		-7.0	
2-Chlorophenol	1.340	1.311		-2.2	
2-Methylphenol	1.093	1.083		-0.9	
2,2-oxybis(1-Chloropropane)	1.654	1.620		-2.1	
Acetophenone	0.453	0.450		-0.7	
3+4-Methylphenols	1.515	1.436		-5.2	
n-Nitroso-di-n-propylamine	1.023	0.964	0.050	-5.8	
Nitrobenzene-d5	0.317	0.329		3.8	
Hexachloroethane	0.500	0.496		-0.8	
Nitrobenzene	0.329	0.342		4.0	
Isophorone	0.616	0.606		-1.6	
2-Nitrophenol	0.175	0.178		1.7	20.0
2,4-Dimethylphenol	0.203	0.200		-1.5	
bis(2-Chloroethoxy)methane	0.377	0.369		-2.1	
2,4-Dichlorophenol	0.288	0.285		-1.0	20.0
Naphthalene	1.010	1.004		-0.6	
4-Chloroaniline	0.355	0.354		-0.3	
Hexachlorobutadiene	0.198	0.197		-0.5	20.0
Caprolactam	0.106	0.100		-5.7	
4-Chloro-3-methylphenol	0.314	0.305		-2.9	20.0
2-Methylnaphthalene	0.717	0.691		-3.6	
Hexachlorocyclopentadiene	0.154	0.169	0.050	9.7	
2,4,6-Trichlorophenol	0.362	0.367		1.4	20.0
2-Fluorobiphenyl	1.225	1.272		3.8	
2,4,5-Trichlorophenol	0.403	0.405		0.5	
1,1-Biphenyl	1.380	1.417		2.7	
2-Chloronaphthalene	1.088	1.105		1.6	
2-Nitroaniline	0.288	0.314		9.0	
Dimethylphthalate	1.424	1.379		-3.2	
Acenaphthylene	1.622	1.643		1.3	
2,6-Dinitrotoluene	0.329	0.331		0.6	
3-Nitroaniline	0.319	0.336		5.3	
Acenaphthene	1.035	1.053		1.7	20.0
2,4-Dinitrophenol	0.193	0.200	0.050	3.6	
4-Nitrophenol	0.264	0.279	0.050	5.7	

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG No.: P4722

Instrument ID: BNA_E Calibration Date/Time: 11/12/2024 10:18

Lab File ID: BE101575.D Init. Calib. Date(s): 11/06/2024 11/06/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 13:51 18:02

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.666	1.655		-0.7	
2,4-Dinitrotoluene	0.462	0.469		1.5	
Diethylphthalate	1.502	1.462		-2.7	
4-Chlorophenyl-phenylether	0.706	0.688		-2.5	
Fluorene	1.391	1.403		0.9	
4-Nitroaniline	0.344	0.366		6.4	
4,6-Dinitro-2-methylphenol	0.119	0.124		4.2	
n-Nitrosodiphenylamine	0.531	0.531		0.0	20.0
2,4,6-Tribromophenol	0.376	0.358		-4.8	
4-Bromophenyl-phenylether	0.221	0.215		-2.7	
Hexachlorobenzene	0.290	0.280		-3.4	
Atrazine	0.157	0.151		-3.8	
Pentachlorophenol	0.158	0.160		1.3	20.0
Phenanthrene	0.973	0.971		-0.2	
Anthracene	0.961	0.970		0.9	
Carbazole	0.963	0.977		1.5	
Di-n-butylphthalate	1.190	1.176		-1.2	
Fluoranthene	1.247	1.250		0.2	20.0
Pyrene	1.138	1.143		0.4	
Terphenyl-d14	0.904	0.906		0.2	
Butylbenzylphthalate	0.511	0.511		0.0	
3,3-Dichlorobenzidine	0.468	0.485		3.6	
Benzo(a)anthracene	1.188	1.172		-1.3	
Chrysene	1.129	1.122		-0.6	
Bis(2-ethylhexyl)phthalate	0.773	0.758		-1.9	
Di-n-octyl phthalate	1.308	1.299		-0.7	20.0
Benzo(b)fluoranthene	1.097	1.086		-1.0	
Benzo(k)fluoranthene	0.996	1.026		3.0	
Benzo(a)pyrene	0.947	0.951		0.4	20.0
Indeno(1,2,3-cd)pyrene	1.374	1.381		0.5	
Dibenzo(a,h)anthracene	1.145	1.157		1.0	
Benzo(g,h,i)perylene	1.163	1.156		-0.6	
1,2,4,5-Tetrachlorobenzene	0.527	0.541		2.7	
1,4-Dioxane	0.421	0.425		0.9	20.0
2,3,4,6-Tetrachlorophenol	0.373	0.363		-2.7	

All other compounds must meet a minimum RRF of 0.010.

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG No.: P4722

Instrument ID: BNA_F Calibration Date/Time: 11/14/2024 17:02

Lab File ID: BF140366.D Init. Calib. Date(s): 11/13/2024 11/13/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:01 12:48

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.171	1.188		1.5	
Benzaldehyde	0.951	0.861		-9.5	
Phenol-d6	1.587	1.578		-0.6	
Phenol	1.674	1.678		0.2	20.0
bis(2-Chloroethyl)ether	1.268	1.243		-2.0	
2-Chlorophenol	1.258	1.256		-0.2	
2-Methylphenol	1.035	1.033		-0.2	
2,2-oxybis(1-Chloropropane)	1.752	1.678		-4.2	
Acetophenone	0.465	0.463		-0.4	
3+4-Methylphenols	1.295	1.288		-0.5	
n-Nitroso-di-n-propylamine	0.959	0.909	0.050	-5.2	
Nitrobenzene-d5	0.384	0.381		-0.8	
Hexachloroethane	0.520	0.504		-3.1	
Nitrobenzene	0.400	0.401		0.3	
Isophorone	0.680	0.661		-2.8	
2-Nitrophenol	0.177	0.178		0.6	20.0
2,4-Dimethylphenol	0.227	0.227		0.0	
bis(2-Chloroethoxy)methane	0.417	0.404		-3.1	
2,4-Dichlorophenol	0.281	0.281		0.0	20.0
Naphthalene	1.015	1.009		-0.6	
4-Chloroaniline	0.353	0.327		-7.4	
Hexachlorobutadiene	0.199	0.195		-2.0	20.0
Caprolactam	0.093	0.094		1.1	
4-Chloro-3-methylphenol	0.311	0.311		0.0	20.0
2-Methylnaphthalene	0.651	0.642		-1.4	
Hexachlorocyclopentadiene	0.142	0.133	0.050	-6.3	
2,4,6-Trichlorophenol	0.363	0.368		1.4	20.0
2-Fluorobiphenyl	1.244	1.231		-1.0	
2,4,5-Trichlorophenol	0.397	0.409		3.0	
1,1-Biphenyl	1.455	1.467		0.8	
2-Chloronaphthalene	1.108	1.111		0.3	
2-Nitroaniline	0.368	0.374		1.6	
Dimethylphthalate	1.304	1.272		-2.5	
Acenaphthylene	1.677	1.672		-0.3	
2,6-Dinitrotoluene	0.297	0.303		2.0	
3-Nitroaniline	0.312	0.313		0.3	
Acenaphthene	1.133	1.135		0.2	20.0
2,4-Dinitrophenol	0.153	0.154	0.050	0.7	
4-Nitrophenol	0.228	0.236	0.050	3.5	

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG No.: P4722

Instrument ID: BNA_F Calibration Date/Time: 11/14/2024 17:02

Lab File ID: BF140366.D Init. Calib. Date(s): 11/13/2024 11/13/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:01 12:48

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.603	1.616		0.8	
2,4-Dinitrotoluene	0.391	0.397		1.5	
Diethylphthalate	1.333	1.281		-3.9	
4-Chlorophenyl-phenylether	0.625	0.604		-3.4	
Fluorene	1.267	1.256		-0.9	
4-Nitroaniline	0.319	0.328		2.8	
4,6-Dinitro-2-methylphenol	0.108	0.114		5.6	
n-Nitrosodiphenylamine	0.578	0.569		-1.6	20.0
2,4,6-Tribromophenol	0.199	0.200		0.5	
4-Bromophenyl-phenylether	0.200	0.193		-3.5	
Hexachlorobenzene	0.225	0.223		-0.9	
Atrazine	0.175	0.164		-6.3	
Pentachlorophenol	0.121	0.124		2.5	20.0
Phenanthrene	0.940	0.926		-1.5	
Anthracene	0.921	0.905		-1.7	
Carbazole	0.909	0.912		0.3	
Di-n-butylphthalate	1.091	1.021		-6.4	
Fluoranthene	1.054	1.029		-2.4	20.0
Pyrene	1.711	1.783		4.2	
Terphenyl-d14	1.152	1.148		-0.3	
Butylbenzylphthalate	0.657	0.642		-2.3	
3,3-Dichlorobenzidine	0.418	0.409		-2.2	
Benzo(a)anthracene	1.314	1.308		-0.5	
Chrysene	1.199	1.156		-3.6	
Bis(2-ethylhexyl)phthalate	0.877	0.791		-9.8	
Di-n-octyl phthalate	1.235	1.083		-12.3	20.0
Benzo(b)fluoranthene	1.308	1.240		-5.2	
Benzo(k)fluoranthene	1.069	1.043		-2.4	
Benzo(a)pyrene	1.016	1.000		-1.6	20.0
Indeno(1,2,3-cd)pyrene	1.235	1.295		4.9	
Dibenzo(a,h)anthracene	1.021	1.058		3.6	
Benzo(g,h,i)perylene	1.044	1.108		6.1	
1,2,4,5-Tetrachlorobenzene	0.553	0.555		0.4	
1,4-Dioxane	0.522	0.547		4.8	20.0
2,3,4,6-Tetrachlorophenol	0.313	0.320		2.2	

All other compounds must meet a minimum RRF of 0.010.

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG No.: P4722

Instrument ID: BNA_F Calibration Date/Time: 11/15/2024 09:42

Lab File ID: BF140391.D Init. Calib. Date(s): 11/13/2024 11/13/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:01 12:48

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.171	1.174		0.3	
Benzaldehyde	0.951	0.866		-8.9	
Phenol-d6	1.587	1.530		-3.6	
Phenol	1.674	1.610		-3.8	20.0
bis(2-Chloroethyl)ether	1.268	1.224		-3.5	
2-Chlorophenol	1.258	1.239		-1.5	
2-Methylphenol	1.035	0.992		-4.2	
2,2-oxybis(1-Chloropropane)	1.752	1.582		-9.7	
Acetophenone	0.465	0.462		-0.6	
3+4-Methylphenols	1.295	1.266		-2.2	
n-Nitroso-di-n-propylamine	0.959	0.883	0.050	-7.9	
Nitrobenzene-d5	0.384	0.381		-0.8	
Hexachloroethane	0.520	0.507		-2.5	
Nitrobenzene	0.400	0.397		-0.8	
Isophorone	0.680	0.646		-5.0	
2-Nitrophenol	0.177	0.180		1.7	20.0
2,4-Dimethylphenol	0.227	0.221		-2.6	
bis(2-Chloroethoxy)methane	0.417	0.394		-5.5	
2,4-Dichlorophenol	0.281	0.280		-0.4	20.0
Naphthalene	1.015	1.007		-0.8	
4-Chloroaniline	0.353	0.334		-5.4	
Hexachlorobutadiene	0.199	0.197		-1.0	20.0
Caprolactam	0.093	0.094		1.1	
4-Chloro-3-methylphenol	0.311	0.310		-0.3	20.0
2-Methylnaphthalene	0.651	0.633		-2.8	
Hexachlorocyclopentadiene	0.142	0.122	0.050	-14.1	
2,4,6-Trichlorophenol	0.363	0.368		1.4	20.0
2-Fluorobiphenyl	1.244	1.225		-1.5	
2,4,5-Trichlorophenol	0.397	0.403		1.5	
1,1-Biphenyl	1.455	1.438		-1.2	
2-Chloronaphthalene	1.108	1.095		-1.2	
2-Nitroaniline	0.368	0.371		0.8	
Dimethylphthalate	1.304	1.272		-2.5	
Acenaphthylene	1.677	1.677		0.0	
2,6-Dinitrotoluene	0.297	0.302		1.7	
3-Nitroaniline	0.312	0.312		0.0	
Acenaphthene	1.133	1.124		-0.8	20.0
2,4-Dinitrophenol	0.153	0.148	0.050	-3.3	
4-Nitrophenol	0.228	0.236	0.050	3.5	

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG No.: P4722

Instrument ID: BNA_F Calibration Date/Time: 11/15/2024 09:42

Lab File ID: BF140391.D Init. Calib. Date(s): 11/13/2024 11/13/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:01 12:48

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.603	1.595		-0.5	
2,4-Dinitrotoluene	0.391	0.402		2.8	
Diethylphthalate	1.333	1.292		-3.1	
4-Chlorophenyl-phenylether	0.625	0.612		-2.1	
Fluorene	1.267	1.257		-0.8	
4-Nitroaniline	0.319	0.335		5.0	
4,6-Dinitro-2-methylphenol	0.108	0.116		7.4	
n-Nitrosodiphenylamine	0.578	0.566		-2.1	20.0
2,4,6-Tribromophenol	0.199	0.198		-0.5	
4-Bromophenyl-phenylether	0.200	0.193		-3.5	
Hexachlorobenzene	0.225	0.225		0.0	
Atrazine	0.175	0.155		-11.4	
Pentachlorophenol	0.121	0.117		-3.3	20.0
Phenanthrene	0.940	0.915		-2.7	
Anthracene	0.921	0.914		-0.8	
Carbazole	0.909	0.920		1.2	
Di-n-butylphthalate	1.091	1.028		-5.8	
Fluoranthene	1.054	1.039		-1.4	20.0
Pyrene	1.711	1.790		4.6	
Terphenyl-d14	1.152	1.158		0.5	
Butylbenzylphthalate	0.657	0.675		2.7	
3,3-Dichlorobenzidine	0.418	0.425		1.7	
Benzo(a)anthracene	1.314	1.279		-2.7	
Chrysene	1.199	1.195		-0.3	
Bis(2-ethylhexyl)phthalate	0.877	0.861		-1.8	
Di-n-octyl phthalate	1.235	1.164		-5.7	20.0
Benzo(b)fluoranthene	1.308	1.193		-8.8	
Benzo(k)fluoranthene	1.069	1.073		0.4	
Benzo(a)pyrene	1.016	1.005		-1.1	20.0
Indeno(1,2,3-cd)pyrene	1.235	1.249		1.1	
Dibenzo(a,h)anthracene	1.021	1.024		0.3	
Benzo(g,h,i)perylene	1.044	1.073		2.8	
1,2,4,5-Tetrachlorobenzene	0.553	0.546		-1.3	
1,4-Dioxane	0.522	0.518		-0.8	20.0
2,3,4,6-Tetrachlorophenol	0.313	0.312		-0.3	

All other compounds must meet a minimum RRF of 0.010.

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG No.: P4722

Instrument ID: BNA_F Calibration Date/Time: 11/25/2024 09:33

Lab File ID: BF140590.D Init. Calib. Date(s): 11/21/2024 11/21/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:13 14:18

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.172	1.119		-4.5	
Benzaldehyde	0.820	0.779		-5.0	
Phenol-d6	1.550	1.507		-2.8	
Phenol	1.583	1.586		0.2	20.0
bis(2-Chloroethyl)ether	1.211	1.180		-2.6	
2-Chlorophenol	1.261	1.243		-1.4	
2-Methylphenol	1.010	0.988		-2.2	
2,2-oxybis(1-Chloropropane)	1.431	1.423		-0.6	
Acetophenone	0.488	0.461		-5.5	
3+4-Methylphenols	1.298	1.252		-3.5	
n-Nitroso-di-n-propylamine	0.916	0.880	0.050	-3.9	
Nitrobenzene-d5	0.391	0.377		-3.6	
Hexachloroethane	0.536	0.520		-3.0	
Nitrobenzene	0.404	0.386		-4.5	
Isophorone	0.652	0.631		-3.2	
2-Nitrophenol	0.179	0.180		0.6	20.0
2,4-Dimethylphenol	0.214	0.218		1.9	
bis(2-Chloroethoxy)methane	0.397	0.394		-0.8	
2,4-Dichlorophenol	0.284	0.282		-0.7	20.0
Naphthalene	1.030	1.017		-1.3	
4-Chloroaniline	0.308	0.331		7.5	
Hexachlorobutadiene	0.215	0.212		-1.4	20.0
Caprolactam	0.088	0.090		2.3	
4-Chloro-3-methylphenol	0.318	0.314		-1.3	20.0
2-Methylnaphthalene	0.654	0.650		-0.6	
Hexachlorocyclopentadiene	0.107	0.100	0.050	-6.5	
2,4,6-Trichlorophenol	0.367	0.368		0.3	20.0
2-Fluorobiphenyl	1.342	1.315		-2.0	
2,4,5-Trichlorophenol	0.399	0.405		1.5	
1,1-Biphenyl	1.493	1.483		-0.7	
2-Chloronaphthalene	1.131	1.133		0.2	
2-Nitroaniline	0.363	0.361		-0.6	
Dimethylphthalate	1.317	1.305		-0.9	
Acenaphthylene	1.710	1.718		0.5	
2,6-Dinitrotoluene	0.299	0.304		1.7	
3-Nitroaniline	0.292	0.298		2.1	
Acenaphthene	1.086	1.091		0.5	20.0
2,4-Dinitrophenol	0.122	0.127	0.050	4.1	
4-Nitrophenol	0.199	0.190	0.050	-4.5	

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG No.: P4722

Instrument ID: BNA_F Calibration Date/Time: 11/25/2024 09:33

Lab File ID: BF140590.D Init. Calib. Date(s): 11/21/2024 11/21/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:13 14:18

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.657	1.654		-0.2	
2,4-Dinitrotoluene	0.397	0.407		2.5	
Diethylphthalate	1.338	1.312		-1.9	
4-Chlorophenyl-phenylether	0.653	0.649		-0.6	
Fluorene	1.330	1.315		-1.1	
4-Nitroaniline	0.306	0.308		0.7	
4,6-Dinitro-2-methylphenol	0.102	0.105		2.9	
n-Nitrosodiphenylamine	0.591	0.579		-2.0	20.0
2,4,6-Tribromophenol	0.214	0.210		-1.9	
4-Bromophenyl-phenylether	0.206	0.203		-1.5	
Hexachlorobenzene	0.238	0.233		-2.1	
Atrazine	0.166	0.168		1.2	
Pentachlorophenol	0.105	0.110		4.8	20.0
Phenanthrene	0.961	0.960		-0.1	
Anthracene	0.940	0.932		-0.9	
Carbazole	0.905	0.906		0.1	
Di-n-butylphthalate	1.044	1.047		0.3	
Fluoranthene	1.044	1.089		4.3	20.0
Pyrene	1.849	1.784		-3.5	
Terphenyl-d14	1.284	1.204		-6.2	
Butylbenzylphthalate	0.666	0.675		1.4	
3,3-Dichlorobenzidine	0.397	0.378		-4.8	
Benzo(a)anthracene	1.324	1.309		-1.1	
Chrysene	1.211	1.194		-1.4	
Bis(2-ethylhexyl)phthalate	0.841	0.854		1.5	
Di-n-octyl phthalate	1.150	1.214		5.6	20.0
Benzo(b)fluoranthene	1.256	1.296		3.2	
Benzo(k)fluoranthene	1.099	1.007		-8.4	
Benzo(a)pyrene	1.021	1.000		-2.1	20.0
Indeno(1,2,3-cd)pyrene	1.303	1.273		-2.3	
Dibenzo(a,h)anthracene	1.067	1.042		-2.3	
Benzo(g,h,i)perylene	1.089	1.078		-1.0	
1,2,4,5-Tetrachlorobenzene	0.586	0.586		0.0	
1,4-Dioxane	0.493	0.469		-4.9	20.0
2,3,4,6-Tetrachlorophenol	0.306	0.320		4.6	

All other compounds must meet a minimum RRF of 0.010.