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LAB CHRONICLE

OrderID:	P4675	**OrderDate:**	11/1/2024 11:22:00 AM
Client:	Kleinfelder	**Project:**	Harrington School
Contact:	Mark Warchol	**Location:**	K41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4675-01	**COMP-1**	**SOIL**			**10/31/24**			**11/01/24**
			SVOCMS Group1	8270E		11/04/24	11/04/24	
P4675-02	**COMP-2**	**SOIL**			**10/31/24**			**11/01/24**
			SVOCMS Group1	8270E		11/04/24	11/05/24	
P4675-03	**COMP-3**	**SOIL**			**10/31/24**			**11/01/24**
			SVOCMS Group1	8270E		11/04/24	11/04/24	
P4675-04	**COMP-4**	**SOIL**			**10/31/24**			**11/01/24**
			SVOCMS Group1	8270E		11/04/24	11/04/24	
P4675-05	**COMP-5**	**SOIL**			**10/31/24**			**11/01/24**
			SVOCMS Group1	8270E		11/04/24	11/05/24	
P4675-06	**COMP-6**	**SOIL**			**10/31/24**			**11/01/24**
			SVOCMS Group1	8270E		11/04/24	11/05/24	

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Hit Summary Sheet
SW-846

SDG No.: P4675

Client: Kleinfelder

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : COMP-2								
P4675-02	COMP-2	SOIL	Phenanthrene	140.000	JQ	97.9	200	ug/Kg
P4675-02	COMP-2	SOIL	Pyrene	180.000	J	96.7	200	ug/Kg
P4675-02	COMP-2	SOIL	Benzo(a)anthracene	110.000	JQ	94	200	ug/Kg
P4675-02	COMP-2	SOIL	Chrysene	100.000	JQ	92.6	200	ug/Kg
			Total Svoc :	**530.00**				
			Total Concentration:	**530.00**				

SAMPLE DATA

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Report of Analysis

Client:	Kleinfelder			Date Collected:	10/31/24
Project:	Harrington School			Date Received:	11/01/24
Client Sample ID:	COMP-1			SDG No.:	P4675
Lab Sample ID:	P4675-01			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	77.9
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101463.D	1	11/04/24 08:45	11/04/24 19:50	PB164639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	110	U	110	220	ug/Kg
86-73-7	Fluorene	110	U	110	220	ug/Kg
85-01-8	Phenanthrene	110	UQ	110	220	ug/Kg
120-12-7	Anthracene	110	UQ	110	220	ug/Kg
129-00-0	Pyrene	110	U	110	220	ug/Kg
56-55-3	Benzo(a)anthracene	100	UQ	100	220	ug/Kg
218-01-9	Chrysene	100	UQ	100	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	100	U	100	220	ug/Kg
50-32-8	Benzo(a)pyrene	120	UQ	120	220	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	100	UQ	100	220	ug/Kg
191-24-2	Benzo(g,h,i)perylene	100	U	100	220	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	57.5		18 - 107	57%	SPK: 100
321-60-8	2-Fluorobiphenyl	62.8		20 - 109	63%	SPK: 100
1718-51-0	Terphenyl-d14	67.0		10 - 105	67%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	57400	7.57			
1146-65-2	Naphthalene-d8	246000	10.338			
15067-26-2	Acenaphthene-d10	168000	14.18			
1517-22-2	Phenanthrene-d10	408000	16.912			
1719-03-5	Chrysene-d12	504000	21.072			
1520-96-3	Perylene-d12	686000	23.364			

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Report of Analysis

Client:	Kleinfelder			Date Collected:	10/31/24
Project:	Harrington School			Date Received:	11/01/24
Client Sample ID:	COMP-1			SDG No.:	P4675
Lab Sample ID:	P4675-01			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	77.9
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101463.D	1	11/04/24 08:45	11/04/24 19:50	PB164639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

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Report of Analysis

Client:	Kleinfelder			Date Collected:	10/31/24
Project:	Harrington School			Date Received:	11/01/24
Client Sample ID:	COMP-2			SDG No.:	P4675
Lab Sample ID:	P4675-02			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	85.7
Sample Wt/Vol:	30.05	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101476.D	1	11/04/24 08:45	11/05/24 13:20	PB164639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	96.2	U	96.2	200	ug/Kg
86-73-7	Fluorene	99.6	U	99.6	200	ug/Kg
85-01-8	Phenanthrene	140	JQ	97.9	200	ug/Kg
120-12-7	Anthracene	98.3	UQ	98.3	200	ug/Kg
129-00-0	Pyrene	180	J	96.7	200	ug/Kg
56-55-3	Benzo(a)anthracene	110	JQ	94.0	200	ug/Kg
218-01-9	Chrysene	100	JQ	92.6	200	ug/Kg
205-99-2	Benzo(b)fluoranthene	94.5	U	94.5	200	ug/Kg
50-32-8	Benzo(a)pyrene	110	UQ	110	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	91.0	UQ	91.0	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	93.3	U	93.3	200	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	57.5		18 - 107	57%	SPK: 100
321-60-8	2-Fluorobiphenyl	61.9		20 - 109	62%	SPK: 100
1718-51-0	Terphenyl-d14	66.4		10 - 105	66%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	54200	7.57			
1146-65-2	Naphthalene-d8	232000	10.337			
15067-26-2	Acenaphthene-d10	158000	14.18			
1517-22-2	Phenanthrene-d10	378000	16.918			
1719-03-5	Chrysene-d12	469000	21.077			
1520-96-3	Perylene-d12	598000	23.363			

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Report of Analysis

Client:	Kleinfelder			Date Collected:	10/31/24
Project:	Harrington School			Date Received:	11/01/24
Client Sample ID:	COMP-2			SDG No.:	P4675
Lab Sample ID:	P4675-02			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	85.7
Sample Wt/Vol:	30.05	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101476.D	1	11/04/24 08:45	11/05/24 13:20	PB164639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
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LOD = Limit of Detection
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D = Dilution
() = Laboratory InHouse Limit
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Report of Analysis

Client:	Kleinfelder			Date Collected:	10/31/24
Project:	Harrington School			Date Received:	11/01/24
Client Sample ID:	COMP-3			SDG No.:	P4675
Lab Sample ID:	P4675-03			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	88.8
Sample Wt/Vol:	30.08	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101462.D	1	11/04/24 08:45	11/04/24 19:14	PB164639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	92.8	U	92.8	190	ug/Kg
86-73-7	Fluorene	96.0	U	96.0	190	ug/Kg
85-01-8	Phenanthrene	94.3	UQ	94.3	190	ug/Kg
120-12-7	Anthracene	94.8	UQ	94.8	190	ug/Kg
129-00-0	Pyrene	93.2	U	93.2	190	ug/Kg
56-55-3	Benzo(a)anthracene	90.6	UQ	90.6	190	ug/Kg
218-01-9	Chrysene	89.3	UQ	89.3	190	ug/Kg
205-99-2	Benzo(b)fluoranthene	91.1	U	91.1	190	ug/Kg
50-32-8	Benzo(a)pyrene	100	UQ	100	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	87.7	UQ	87.7	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	90.0	U	90.0	190	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	63.3		18 - 107	63%	SPK: 100
321-60-8	2-Fluorobiphenyl	66.9		20 - 109	67%	SPK: 100
1718-51-0	Terphenyl-d14	66.4		10 - 105	66%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	61200	7.57			
1146-65-2	Naphthalene-d8	261000	10.338			
15067-26-2	Acenaphthene-d10	173000	14.18			
1517-22-2	Phenanthrene-d10	407000	16.912			
1719-03-5	Chrysene-d12	534000	21.072			
1520-96-3	Perylene-d12	731000	23.364			

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Report of Analysis

Client:	Kleinfelder			Date Collected:	10/31/24
Project:	Harrington School			Date Received:	11/01/24
Client Sample ID:	COMP-3			SDG No.:	P4675
Lab Sample ID:	P4675-03			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	88.8
Sample Wt/Vol:	30.08	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101462.D	1	11/04/24 08:45	11/04/24 19:14	PB164639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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N = Presumptive Evidence of a Compound
* = Values outside of QC limits
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Report of Analysis

Client:	Kleinfelder			Date Collected:	10/31/24
Project:	Harrington School			Date Received:	11/01/24
Client Sample ID:	COMP-4			SDG No.:	P4675
Lab Sample ID:	P4675-04			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	82.9
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101459.D	1	11/04/24 08:45	11/04/24 17:27	PB164639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	99.6	U	99.6	200	ug/Kg
86-73-7	Fluorene	100	U	100	200	ug/Kg
85-01-8	Phenanthrene	100	UQ	100	200	ug/Kg
120-12-7	Anthracene	100	UQ	100	200	ug/Kg
129-00-0	Pyrene	100	U	100	200	ug/Kg
56-55-3	Benzo(a)anthracene	97.3	UQ	97.3	200	ug/Kg
218-01-9	Chrysene	95.8	UQ	95.8	200	ug/Kg
205-99-2	Benzo(b)fluoranthene	97.8	U	97.8	200	ug/Kg
50-32-8	Benzo(a)pyrene	110	UQ	110	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	94.1	UQ	94.1	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	96.6	U	96.6	200	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	80.6		18 - 107	81%	SPK: 100
321-60-8	2-Fluorobiphenyl	88.4		20 - 109	88%	SPK: 100
1718-51-0	Terphenyl-d14	83.8		10 - 105	84%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	61800	7.569			
1146-65-2	Naphthalene-d8	248000	10.337			
15067-26-2	Acenaphthene-d10	158000	14.179			
1517-22-2	Phenanthrene-d10	363000	16.917			
1719-03-5	Chrysene-d12	489000	21.077			
1520-96-3	Perylene-d12	682000	23.363			

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Report of Analysis

Client:	Kleinfelder			Date Collected:	10/31/24
Project:	Harrington School			Date Received:	11/01/24
Client Sample ID:	COMP-4			SDG No.:	P4675
Lab Sample ID:	P4675-04			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	82.9
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101459.D	1	11/04/24 08:45	11/04/24 17:27	PB164639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
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() = Laboratory InHouse Limit
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Report of Analysis

Client:	Kleinfelder			Date Collected:	10/31/24
Project:	Harrington School			Date Received:	11/01/24
Client Sample ID:	COMP-5			SDG No.:	P4675
Lab Sample ID:	P4675-05			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	82.1
Sample Wt/Vol:	30.04	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101477.D	1	11/04/24 08:45	11/05/24 13:56	PB164639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	100	U	100	210	ug/Kg
86-73-7	Fluorene	100	U	100	210	ug/Kg
85-01-8	Phenanthrene	100	UQ	100	210	ug/Kg
120-12-7	Anthracene	100	UQ	100	210	ug/Kg
129-00-0	Pyrene	100	U	100	210	ug/Kg
56-55-3	Benzo(a)anthracene	98.2	UQ	98.2	210	ug/Kg
218-01-9	Chrysene	96.7	UQ	96.7	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	98.7	U	98.7	210	ug/Kg
50-32-8	Benzo(a)pyrene	110	UQ	110	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	95.0	UQ	95.0	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	97.4	U	97.4	210	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	62.6		18 - 107	63%	SPK: 100
321-60-8	2-Fluorobiphenyl	69.2		20 - 109	69%	SPK: 100
1718-51-0	Terphenyl-d14	74.7		10 - 105	75%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	56400	7.57			
1146-65-2	Naphthalene-d8	247000	10.337			
15067-26-2	Acenaphthene-d10	169000	14.174			
1517-22-2	Phenanthrene-d10	390000	16.912			
1719-03-5	Chrysene-d12	464000	21.072			
1520-96-3	Perylene-d12	594000	23.363			

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Report of Analysis

Client:	Kleinfelder			Date Collected:	10/31/24
Project:	Harrington School			Date Received:	11/01/24
Client Sample ID:	COMP-5			SDG No.:	P4675
Lab Sample ID:	P4675-05			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	82.1
Sample Wt/Vol:	30.04	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101477.D	1	11/04/24 08:45	11/05/24 13:56	PB164639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
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J = Estimated Value
B = Analyte Found in Associated Method Blank
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Report of Analysis

Client:	Kleinfelder			Date Collected:	10/31/24
Project:	Harrington School			Date Received:	11/01/24
Client Sample ID:	COMP-6			SDG No.:	P4675
Lab Sample ID:	P4675-06			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	81.3
Sample Wt/Vol:	30.06	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101478.D	1	11/04/24 08:45	11/05/24 14:32	PB164639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	100	U	100	210	ug/Kg
86-73-7	Fluorene	100	U	100	210	ug/Kg
85-01-8	Phenanthrene	100	UQ	100	210	ug/Kg
120-12-7	Anthracene	100	UQ	100	210	ug/Kg
129-00-0	Pyrene	100	U	100	210	ug/Kg
56-55-3	Benzo(a)anthracene	99.1	UQ	99.1	210	ug/Kg
218-01-9	Chrysene	97.6	UQ	97.6	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	99.6	U	99.6	210	ug/Kg
50-32-8	Benzo(a)pyrene	110	UQ	110	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	95.9	UQ	95.9	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	98.3	U	98.3	210	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	68.0		18 - 107	68%	SPK: 100
321-60-8	2-Fluorobiphenyl	73.0		20 - 109	73%	SPK: 100
1718-51-0	Terphenyl-d14	76.1		10 - 105	76%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	60100	7.565			
1146-65-2	Naphthalene-d8	260000	10.338			
15067-26-2	Acenaphthene-d10	173000	14.175			
1517-22-2	Phenanthrene-d10	410000	16.913			
1719-03-5	Chrysene-d12	472000	21.072			
1520-96-3	Perylene-d12	609000	23.364			

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Report of Analysis

Client:	Kleinfelder			Date Collected:	10/31/24
Project:	Harrington School			Date Received:	11/01/24
Client Sample ID:	COMP-6			SDG No.:	P4675
Lab Sample ID:	P4675-06			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	81.3
Sample Wt/Vol:	30.06	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101478.D	1	11/04/24 08:45	11/05/24 14:32	PB164639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

QC SUMMARY

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Surrogate Summary

SW-846

SDG No.: P4675

Client: Kleinfelder

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P4675-01	COMP-1	Nitrobenzene-d5	100	57.5	57		18	107
		2-Fluorobiphenyl	100	62.8	63		20	109
		Terphenyl-d14	100	67.0	67		10	105
P4675-02	COMP-2	Nitrobenzene-d5	100	57.5	57		18	107
		2-Fluorobiphenyl	100	61.9	62		20	109
		Terphenyl-d14	100	66.4	66		10	105
P4675-03	COMP-3	Nitrobenzene-d5	100	63.3	63		18	107
		2-Fluorobiphenyl	100	66.9	67		20	109
		Terphenyl-d14	100	66.4	66		10	105
P4675-04	COMP-4	Nitrobenzene-d5	100	80.6	81		18	107
		2-Fluorobiphenyl	100	88.4	88		20	109
		Terphenyl-d14	100	83.8	84		10	105
P4675-04MS	COMP-4MS	Nitrobenzene-d5	100	72.5	73		18	107
		2-Fluorobiphenyl	100	79.3	79		20	109
		Terphenyl-d14	100	68.4	68		10	105
P4675-04MSD	COMP-4MSD	Nitrobenzene-d5	100	73.2	73		18	107
		2-Fluorobiphenyl	100	79.8	80		20	109
		Terphenyl-d14	100	72.0	72		10	105
P4675-05	COMP-5	Nitrobenzene-d5	100	62.6	63		18	107
		2-Fluorobiphenyl	100	69.2	69		20	109
		Terphenyl-d14	100	74.7	75		10	105
P4675-06	COMP-6	Nitrobenzene-d5	100	68.0	68		18	107
		2-Fluorobiphenyl	100	73.0	73		20	109
		Terphenyl-d14	100	76.1	76		10	105
PB164639BL	PB164639BL	Nitrobenzene-d5	100	91.2	91		18	107
		2-Fluorobiphenyl	100	97.7	98		20	109
		Terphenyl-d14	100	92.8	93		10	105
PB164639BS	PB164639BS	Nitrobenzene-d5	100	101	101		18	107
		2-Fluorobiphenyl	100	108	108		20	109
		Terphenyl-d14	100	107	107	*	10	105

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4675

Client: Kleinfelder

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: P4675-04MS		**Client Sample ID: COMP-4MS**						**DataFile: BE101460.D**			
Naphthalene	2000	0	2000	ug/Kg	100				72	110	
Fluorene	2000	0	2100	ug/Kg	105				68	116	
Phenanthrene	2000	0	2200	ug/Kg	110				52	128	
Anthracene	2000	0	2300	ug/Kg	115				62	124	
Pyrene	2000	0	1800	ug/Kg	90				26	142	
Benzo(a)anthracene	2000	0	2200	ug/Kg	110				71	114	
Chrysene	2000	0	2200	ug/Kg	110				57	121	
Benzo(b)fluoranthene	2000	0	2000	ug/Kg	100				67	121	
Benzo(a)pyrene	2000	0	2300	ug/Kg	115				70	142	
Indeno(1,2,3-cd)pyrene	2000	0	2200	ug/Kg	110				40	129	
Benzo(g,h,i)perylene	2000	0	2000	ug/Kg	100				24	125	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4675

Client: Kleinfelder

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: P4675-04MSD		**Client Sample ID: COMP-4MSD**						**DataFile: BE101461.D**			
Naphthalene	2000	0	2000	ug/Kg	100	0			72	110	20
Fluorene	2000	0	2000	ug/Kg	100	5			68	116	20
Phenanthrene	2000	0	2200	ug/Kg	110	0			52	128	20
Anthracene	2000	0	2300	ug/Kg	115	0			62	124	20
Pyrene	2000	0	1900	ug/Kg	95	5			26	142	20
Benzo(a)anthracene	2000	0	2200	ug/Kg	110	0			71	114	20
Chrysene	2000	0	2200	ug/Kg	110	0			57	121	20
Benzo(b)fluoranthene	2000	0	2000	ug/Kg	100	0			67	121	20
Benzo(a)pyrene	2000	0	2300	ug/Kg	115	0			70	142	20
Indeno(1,2,3-cd)pyrene	2000	0	2200	ug/Kg	110	0			40	129	20
Benzo(g,h,i)perylene	2000	0	2000	ug/Kg	100	0			24	125	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4675

Client: Kleinfelder

Analytical Method: 8270E **DataFile:** BE101474.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB164639BS	Naphthalene	1700	1600	ug/Kg	94				62	100	
	Fluorene	1700	1600	ug/Kg	94				61	101	
	Phenanthrene	1700	1800	ug/Kg	106		*		59	103	
	Anthracene	1700	1900	ug/Kg	112		*		61	105	
	Pyrene	1700	1700	ug/Kg	100				59	103	
	Benzo(a)anthracene	1700	1900	ug/Kg	112		*		60	102	
	Chrysene	1700	1800	ug/Kg	106		*		59	101	
	Benzo(b)fluoranthene	1700	1700	ug/Kg	100				62	109	
	Benzo(a)pyrene	1700	1900	ug/Kg	112		*		63	103	
	Indeno(1,2,3-cd)pyrene	1700	1800	ug/Kg	106		*		63	101	
	Benzo(g,h,i)perylene	1700	1600	ug/Kg	94				70	108	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164639BL

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM Case No.: P4675 SAS No.: P4675 SDG NO.: P4675

Lab File ID: BE101473.D Lab Sample ID: PB164639BL

Instrument ID: BNA_E Date Extracted: 11/04/2024

Matrix: (soil/water) SOIL Date Analyzed: 11/05/2024

Level: (low/med) LOW Time Analyzed: 11:33

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB164639BS	PB164639BS	BE101474.D	11/05/2024
COMP-5	P4675-05	BE101477.D	11/05/2024
COMP-6	P4675-06	BE101478.D	11/05/2024
COMP-1	P4675-01	BE101463.D	11/04/2024
COMP-3	P4675-03	BE101462.D	11/04/2024
COMP-4	P4675-04	BE101459.D	11/04/2024
COMP-4MS	P4675-04MS	BE101460.D	11/04/2024
COMP-4MSD	P4675-04MSD	BE101461.D	11/04/2024
COMP-2	P4675-02	BE101476.D	11/05/2024

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM SAS No.: P4675 SDG NO.: P4675

Lab File ID: BE101388.D DFTPP Injection Date: 10/28/2024

Instrument ID: BNA_E DFTPP Injection Time: 10:51

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	17.8
68	Less than 2.0% of mass 69	0.3 (1.5) 1
69	Mass 69 relative abundance	18.3
70	Less than 2.0% of mass 69	0.0 (0.1) 1
127	10.0 - 80.0% of mass 198	27.1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	4
275	10.0 - 60.0% of mass 198	20
365	Greater than 1% of mass 198	3.2
441	Present, but less than mass 443	16.5
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	20.1 (20.1) 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	BE101389.D	10/28/2024	11:44
SSTDICC005	SSTDICC005	BE101390.D	10/28/2024	12:23
SSTDICC010	SSTDICC010	BE101391.D	10/28/2024	12:59
SSTDICC020	SSTDICC020	BE101392.D	10/28/2024	13:35
SSTDICCC040	SSTDICCC040	BE101393.D	10/28/2024	14:11
SSTDICC050	SSTDICC050	BE101394.D	10/28/2024	14:49
SSTDICC060	SSTDICC060	BE101395.D	10/28/2024	15:25
SSTDICC080	SSTDICC080	BE101396.D	10/28/2024	16:01

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM SAS No.: P4675 SDG NO.: P4675

Lab File ID: BE101452.D DFTPP Injection Date: 11/04/2024

Instrument ID: BNA_E DFTPP Injection Time: 12:13

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	14.6
68	Less than 2.0% of mass 69	0.2 (1.6) 1
69	Mass 69 relative abundance	15.5
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	22
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	17.7
365	Greater than 1% of mass 198	3
441	Present, but less than mass 443	16.3
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.5 (19.5) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BE101453.D	11/04/2024	12:49
COMP-4	P4675-04	BE101459.D	11/04/2024	17:27
COMP-4MS	P4675-04MS	BE101460.D	11/04/2024	18:02
COMP-4MSD	P4675-04MSD	BE101461.D	11/04/2024	18:38
COMP-3	P4675-03	BE101462.D	11/04/2024	19:14
COMP-1	P4675-01	BE101463.D	11/04/2024	19:50

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM SAS No.: P4675 SDG NO.: P4675

Lab File ID: BE101471.D DFTPP Injection Date: 11/05/2024

Instrument ID: BNA_E DFTPP Injection Time: 10:12

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	14
68	Less than 2.0% of mass 69	0.2 (1.5) 1
69	Mass 69 relative abundance	15.1
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	22
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	3.4
275	10.0 - 60.0% of mass 198	17.6
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	19.3 (19.3) 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	BE101472.D	11/05/2024	10:48
PB164639BL	PB164639BL	BE101473.D	11/05/2024	11:33
PB164639BS	PB164639BS	BE101474.D	11/05/2024	12:09
COMP-2	P4675-02	BE101476.D	11/05/2024	13:20
COMP-5	P4675-05	BE101477.D	11/05/2024	13:56
COMP-6	P4675-06	BE101478.D	11/05/2024	14:32

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4675 SAS No.: P4675 SDG NO.: P4675

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/04/2024

Lab File ID: BE101453.D Time Analyzed: 12:49

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	101222	7.57	465351	10.34	319103	14.19
	UPPER LIMIT	202444	8.07	930702	10.843	638206	14.686
	LOWER LIMIT	50611	7.07	232676	9.843	159552	13.686
	EPA SAMPLE NO.						
01	COMP-4	61796	7.57	248097	10.34	157598 *	14.18
02	COMP-1	57409	7.57	246070	10.34	168001	14.18
03	COMP-3	61218	7.57	261412	10.34	173354	14.18
04	COMP-4MS	55119	7.57	225817 *	10.34	137542 *	14.18
05	COMP-4MSD	62622	7.57	255715	10.34	157541 *	14.18

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4675 SAS No.: P4675 SDG NO.: P4675

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/04/2024

Lab File ID: BE101453.D Time Analyzed: 12:49

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	704364	16.924	756056	21.084	973527	23.375
	UPPER LIMIT	1408730	17.424	1512110	21.584	1947050	23.875
	LOWER LIMIT	352182	16.424	378028	20.584	486764	22.875
	EPA SAMPLE NO.						
01	COMP-4	362960	16.92	488975	21.08	682027	23.36
02	COMP-1	408296	16.91	504276	21.07	686079	23.36
03	COMP-3	407280	16.91	534040	21.07	731364	23.36
04	COMP-4MS	319377 *	16.92	506438	21.08	716658	23.37
05	COMP-4MSD	337929 *	16.92	477689	21.08	708395	23.37

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

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

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4675 SAS No.: P4675 SDG NO.: P4675

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/05/2024

Lab File ID: BE101472.D Time Analyzed: 10:48

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	77150	7.57	373279	10.34	260925	14.18
	UPPER LIMIT	154300	8.07	746558	10.838	521850	14.68
	LOWER LIMIT	38575	7.07	186640	9.838	130463	13.68
	EPA SAMPLE NO.						
01	PB164639BL	69685	7.57	281108	10.34	180533	14.18
02	PB164639BS	58093	7.57	260393	10.34	175308	14.18
03	COMP-2	54196	7.57	232476	10.34	158291	14.18
04	COMP-5	56416	7.57	246833	10.34	168866	14.17
05	COMP-6	60105	7.57	260070	10.34	173496	14.18

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4675 SAS No.: P4675 SDG NO.: P4675

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/05/2024

Lab File ID: BE101472.D Time Analyzed: 10:48

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	585617	16.918	614200	21.084	775519	23.369
	UPPER LIMIT	1171230	17.418	1228400	21.584	1551040	23.869
	LOWER LIMIT	292809	16.418	307100	20.584	387760	22.869
	EPA SAMPLE NO.						
01	PB164639BL	412460	16.92	536197	21.08	732979	23.37
02	PB164639BS	370232	16.92	432772	21.08	625016	23.37
03	COMP-2	377849	16.92	468893	21.08	597551	23.36
04	COMP-5	390418	16.91	464212	21.07	593646	23.36
05	COMP-6	409836	16.91	472315	21.07	608790	23.36

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

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

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

QC SAMPLE DATA

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Report of Analysis

Client:	Kleinfelder			Date Collected:	
Project:	Harrington School			Date Received:	
Client Sample ID:	PB164639BL			SDG No.:	P4675
Lab Sample ID:	PB164639BL			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	100
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101473.D	1	11/04/24 08:45	11/05/24 11:33	PB164639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	82.6	U	82.6	170	ug/Kg
86-73-7	Fluorene	85.5	U	85.5	170	ug/Kg
85-01-8	Phenanthrene	84.0	U	84.0	170	ug/Kg
120-12-7	Anthracene	84.4	U	84.4	170	ug/Kg
129-00-0	Pyrene	83.0	U	83.0	170	ug/Kg
56-55-3	Benzo(a)anthracene	80.7	U	80.7	170	ug/Kg
218-01-9	Chrysene	79.5	U	79.5	170	ug/Kg
205-99-2	Benzo(b)fluoranthene	81.1	U	81.1	170	ug/Kg
50-32-8	Benzo(a)pyrene	93.0	U	93.0	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78.1	U	78.1	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80.1	U	80.1	170	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	91.2		18 - 107	91%	SPK: 100
321-60-8	2-Fluorobiphenyl	97.7		20 - 109	98%	SPK: 100
1718-51-0	Terphenyl-d14	92.8		10 - 105	93%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	69700	7.57			
1146-65-2	Naphthalene-d8	281000	10.337			
15067-26-2	Acenaphthene-d10	181000	14.179			
1517-22-2	Phenanthrene-d10	412000	16.917			
1719-03-5	Chrysene-d12	536000	21.077			
1520-96-3	Perylene-d12	733000	23.369			

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Report of Analysis

Client:	Kleinfelder			Date Collected:	
Project:	Harrington School			Date Received:	
Client Sample ID:	PB164639BL			SDG No.:	P4675
Lab Sample ID:	PB164639BL			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	100
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101473.D	1	11/04/24 08:45	11/05/24 11:33	PB164639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

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Report of Analysis

Client:	Kleinfelder			Date Collected:	
Project:	Harrington School			Date Received:	
Client Sample ID:	PB164639BS			SDG No.:	P4675
Lab Sample ID:	PB164639BS			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	100
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101474.D	1	11/04/24 08:45	11/05/24 12:09	PB164639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	1600		82.5	170	ug/Kg
86-73-7	Fluorene	1600		85.4	170	ug/Kg
85-01-8	Phenanthrene	1800		83.9	170	ug/Kg
120-12-7	Anthracene	1900		84.3	170	ug/Kg
129-00-0	Pyrene	1700		82.9	170	ug/Kg
56-55-3	Benzo(a)anthracene	1900		80.6	170	ug/Kg
218-01-9	Chrysene	1800		79.4	170	ug/Kg
205-99-2	Benzo(b)fluoranthene	1700		81.0	170	ug/Kg
50-32-8	Benzo(a)pyrene	1900		92.9	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1800		78.0	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1600		80.0	170	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	101		18 - 107	101%	SPK: 100
321-60-8	2-Fluorobiphenyl	108		20 - 109	108%	SPK: 100
1718-51-0	Terphenyl-d14	107	*	10 - 105	107%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	58100	7.57			
1146-65-2	Naphthalene-d8	260000	10.338			
15067-26-2	Acenaphthene-d10	175000	14.18			
1517-22-2	Phenanthrene-d10	370000	16.918			
1719-03-5	Chrysene-d12	433000	21.078			
1520-96-3	Perylene-d12	625000	23.369			

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Report of Analysis

Client:	Kleinfelder			Date Collected:	
Project:	Harrington School			Date Received:	
Client Sample ID:	PB164639BS			SDG No.:	P4675
Lab Sample ID:	PB164639BS			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	100
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101474.D	1	11/04/24 08:45	11/05/24 12:09	PB164639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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Report of Analysis

Client:	Kleinfelder	Date Collected:	10/31/24
Project:	Harrington School	Date Received:	11/01/24
Client Sample ID:	COMP-4MS	SDG No.:	P4675
Lab Sample ID:	P4675-04MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	82.9
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101460.D	1	11/04/24 08:45	11/04/24 18:02	PB164639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	2000		99.3	200	ug/Kg
86-73-7	Fluorene	2100		100	200	ug/Kg
85-01-8	Phenanthrene	2200		100	200	ug/Kg
120-12-7	Anthracene	2300		100	200	ug/Kg
129-00-0	Pyrene	1800		99.8	200	ug/Kg
56-55-3	Benzo(a)anthracene	2200		97.1	200	ug/Kg
218-01-9	Chrysene	2200		95.6	200	ug/Kg
205-99-2	Benzo(b)fluoranthene	2000		97.5	200	ug/Kg
50-32-8	Benzo(a)pyrene	2300		110	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2200		93.9	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	2000		96.3	200	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	72.5		18 - 107	73%	SPK: 100
321-60-8	2-Fluorobiphenyl	79.3		20 - 109	79%	SPK: 100
1718-51-0	Terphenyl-d14	68.4		10 - 105	68%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	55100	7.57			
1146-65-2	Naphthalene-d8	226000	10.337			
15067-26-2	Acenaphthene-d10	138000	14.18			
1517-22-2	Phenanthrene-d10	319000	16.918			
1719-03-5	Chrysene-d12	506000	21.078			
1520-96-3	Perylene-d12	717000	23.369			

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Report of Analysis

Client:	Kleinfelder			Date Collected:	10/31/24
Project:	Harrington School			Date Received:	11/01/24
Client Sample ID:	COMP-4MS			SDG No.:	P4675
Lab Sample ID:	P4675-04MS			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	82.9
Sample Wt/Vol:	30.09	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101460.D	1	11/04/24 08:45	11/04/24 18:02	PB164639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

Client:	Kleinfelder	Date Collected:	10/31/24
Project:	Harrington School	Date Received:	11/01/24
Client Sample ID:	COMP-4MSD	SDG No.:	P4675
Lab Sample ID:	P4675-04MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	82.9
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101461.D	1	11/04/24 08:45	11/04/24 18:38	PB164639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	2000		99.4	200	ug/Kg
86-73-7	Fluorene	2000		100	200	ug/Kg
85-01-8	Phenanthrene	2200		100	200	ug/Kg
120-12-7	Anthracene	2300		100	200	ug/Kg
129-00-0	Pyrene	1900		99.9	200	ug/Kg
56-55-3	Benzo(a)anthracene	2200		97.1	200	ug/Kg
218-01-9	Chrysene	2200		95.7	200	ug/Kg
205-99-2	Benzo(b)fluoranthene	2000		97.6	200	ug/Kg
50-32-8	Benzo(a)pyrene	2300		110	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2200		94.0	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	2000		96.4	200	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	73.2		18 - 107	73%	SPK: 100
321-60-8	2-Fluorobiphenyl	79.8		20 - 109	80%	SPK: 100
1718-51-0	Terphenyl-d14	72.0		10 - 105	72%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	62600	7.569			
1146-65-2	Naphthalene-d8	256000	10.337			
15067-26-2	Acenaphthene-d10	158000	14.179			
1517-22-2	Phenanthrene-d10	338000	16.917			
1719-03-5	Chrysene-d12	478000	21.077			
1520-96-3	Perylene-d12	708000	23.369			

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Report of Analysis

Client:	Kleinfelder			Date Collected:	10/31/24
Project:	Harrington School			Date Received:	11/01/24
Client Sample ID:	COMP-4MSD			SDG No.:	P4675
Lab Sample ID:	P4675-04MSD			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	82.9
Sample Wt/Vol:	30.07	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101461.D	1	11/04/24 08:45	11/04/24 18:38	PB164639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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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-BE102824.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Oct 29 01:26:30 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BE101389.D 5 =BE101390.D 10 =BE101391.D 20 =BE101392.D 40 =BE101393.D 50 =BE101394.D 60 =BE101395.D 80 =BE101396.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.471	0.463	0.454	0.421	0.400	0.392	0.379	0.426	8.76
3)		Pyridine		1.064	1.123	1.255	1.196	1.252	1.287	1.252	1.204	6.80
4)		n-Nitrosodimet...		0.459	0.440	0.454	0.479	0.473	0.488	0.468	0.466	3.45
5)	S	2-Fluorophenol		1.134	1.073	1.142	1.153	1.143	1.187	1.155	1.141	3.03
6)		Aniline		1.059	1.262	1.529	1.346	1.301	1.224	0.767	1.213	19.92
7)	S	Phenol-d6		1.450	1.475	1.558	1.629	1.594	1.727	1.643	1.582	6.15
8)		2-Chlorophenol		1.335	1.305	1.371	1.403	1.369	1.426	1.371	1.369	2.94
9)		Benzaldehyde		0.793	0.849	0.861	0.807	0.678	0.595		0.764	13.74
10)	C	Phenol		1.488	1.456	1.766	1.826	1.797	1.914	1.769	1.717	10.16
11)		bis(2-Chloroet...		1.513	1.401	1.245	1.477	1.322	1.408	1.492	1.408	6.93
12)		1,3-Dichlorobe...		1.563	1.523	1.508	1.488	1.424	1.443	1.382	1.476	4.25
13)	C	1,4-Dichlorobe...		1.624	1.534	1.546	1.505	1.447	1.484	1.409	1.507	4.66
14)		1,2-Dichlorobe...		1.553	1.488	1.502	1.490	1.433	1.472	1.388	1.475	3.56
15)		Benzyl Alcohol		0.704	0.797	0.979	1.061	1.013	1.059	0.990	0.943	14.61
16)		2,2'-oxybis(1-...		1.840	1.857	1.816	1.794	1.711	1.746	1.642	1.772	4.33
17)		2-Methylphenol		1.038	1.078	1.142	1.217	1.181	1.263	1.215	1.162	6.96
18)		Hexachloroethane		0.497	0.486	0.492	0.497	0.495	0.496	0.481	0.492	1.28
19)	P	n-Nitroso-di-n...	0.807	0.900	1.060	1.081	1.150	1.115	1.185	1.102	1.050	12.35
20)		3+4-Methylphenols		1.364	1.500	1.580	1.685	1.646	1.778	1.674	1.604	8.53
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.427	0.447	0.467	0.481	0.449	0.462	0.446	0.454	3.79
23)	S	Nitrobenzene-d5		0.292	0.306	0.325	0.336	0.323	0.331	0.316	0.318	4.78
24)		Nitrobenzene		0.315	0.325	0.349	0.355	0.339	0.350	0.339	0.339	4.26
25)		Isophorone		0.533	0.601	0.624	0.665	0.639	0.655	0.632	0.621	7.13
26)	C	2-Nitrophenol		0.127	0.141	0.162	0.179	0.175	0.182	0.181	0.164	13.41
27)		2,4-Dimethylph...		0.196	0.194	0.207	0.215	0.206	0.215	0.211	0.206	4.19
28)		bis(2-Chloroet...		0.351	0.378	0.388	0.392	0.374	0.385	0.370	0.377	3.65
29)	C	2,4-Dichloroph...		0.257	0.268	0.285	0.297	0.287	0.305	0.297	0.285	6.00
30)		1,2,4-Trichlor...		0.325	0.311	0.315	0.314	0.304	0.307	0.299	0.311	2.71
31)		Naphthalene		1.092	1.040	1.039	1.045	0.982	0.999	0.936	1.019	5.00
32)		Benzoic acid			0.091	0.145	0.196	0.203	0.223	0.234	0.182	29.71
33)		4-Chloroaniline		0.321	0.355	0.373	0.398	0.364	0.365	0.305	0.354	8.87
34)	C	Hexachlorobuta...		0.193	0.185	0.187	0.187	0.179	0.180	0.176	0.184	3.26
35)		Caprolactam		0.077	0.093	0.109	0.119	0.118	0.126	0.124	0.109	16.48
36)	C	4-Chloro-3-met...		0.277	0.314	0.321	0.341	0.330	0.347	0.343	0.325	7.51
37)		2-Methylnaphth...		0.753	0.752	0.736	0.756	0.711	0.736	0.696	0.734	3.12
38)		1-Methylnaphth...		0.750	0.756	0.735	0.751	0.709	0.733	0.696	0.733	3.08

Method Path : Z:\svoasrv\HPCHEM1\BNA_E\Methods\
Method File : 8270-BE102824.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.522	0.493	0.515	0.512	0.491	0.499	0.481	0.502	2.96
41)	P	Hexachlorocycl...	0.153	0.150	0.179	0.177	0.173	0.168	0.162	0.166	6.85
42)	S	2,4,6-Tribromo...	0.329	0.341	0.358	0.366	0.355	0.359	0.346	0.351	3.59
43)	C	2,4,6-Trichlor...	0.310	0.325	0.352	0.369	0.353	0.360	0.353	0.346	6.01
44)		2,4,5-Trichlor...	0.356	0.372	0.401	0.415	0.402	0.418	0.411	0.396	5.93
45)	S	2-Fluorobiphenyl	1.359	1.275	1.283	1.226	1.114	1.072	0.938	1.181	12.39
46)		1,1'-Biphenyl	1.477	1.399	1.431	1.408	1.326	1.326	1.224	1.370	6.15
47)		2-Chloronaphth...	1.159	1.091	1.112	1.098	1.054	1.060	1.002	1.083	4.60
48)		2-Nitroaniline	0.214	0.243	0.295	0.318	0.318	0.329	0.322	0.291	15.45
49)		Acenaphthylene	1.613	1.605	1.656	1.677	1.586	1.597	1.473	1.601	4.07
50)		Dimethylphthalate	1.446	1.469	1.459	1.449	1.378	1.383	1.298	1.412	4.38
51)		2,6-Dinitrotol...	0.284	0.309	0.331	0.345	0.333	0.346	0.334	0.326	6.77
52)	C	Acenaphthene	1.120	1.080	1.073	1.075	1.016	1.017	0.936	1.045	5.79
53)		3-Nitroaniline	0.266	0.296	0.342	0.357	0.347	0.345	0.315	0.324	10.25
54)	P	2,4-Dinitrophenol		0.125	0.177	0.208	0.219	0.230	0.231	0.198	20.84
55)		Dibenzofuran	1.828	1.739	1.721	1.695	1.604	1.608	1.468	1.666	7.02
56)	P	4-Nitrophenol		0.219	0.291	0.311	0.318	0.324	0.318	0.297	13.34
57)		2,4-Dinitrotol...	0.344	0.407	0.454	0.481	0.480	0.495	0.481	0.449	12.18
58)		Fluorene	1.490	1.450	1.446	1.453	1.354	1.342	1.222	1.394	6.71
59)		2,3,4,6-Tetrac...	0.345	0.355	0.368	0.382	0.367	0.378	0.369	0.366	3.48
60)		Diethylphthalate	1.499	1.532	1.560	1.535	1.456	1.427	1.327	1.477	5.47
61)		4-Chlorophenyl...	0.737	0.713	0.705	0.707	0.676	0.673	0.631	0.692	5.05
62)		4-Nitroaniline	0.267	0.316	0.374	0.391	0.393	0.394	0.389	0.361	13.79
63)		Azobenzene	1.280	1.309	1.331	1.319	1.248	1.245	1.154	1.269	4.80
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.086	0.108	0.123	0.125	0.131	0.133	0.118	15.15
66)	c	n-Nitrosodiphe...	0.542	0.548	0.545	0.553	0.516	0.520	0.489	0.530	4.33
67)		4-Bromophenyl-...	0.211	0.207	0.209	0.215	0.208	0.215	0.209	0.210	1.48
68)		Hexachlorobenzene	0.283	0.272	0.274	0.283	0.271	0.278	0.269	0.276	2.01
69)		Atrazine	0.182	0.179	0.160	0.184	0.109			0.163	19.39
70)	C	Pentachlorophenol	0.116	0.137	0.159	0.173	0.172	0.177	0.177	0.159	14.86
71)		Phenanthrene	1.068	1.023	1.012	0.991	0.912	0.896	0.801	0.958	9.62
72)		Anthracene	1.002	0.972	0.997	0.979	0.909	0.893	0.793	0.935	8.08
73)		Carbazole	1.010	0.987	1.033	0.995	0.939	0.914	0.820	0.957	7.62
74)		Di-n-butylphth...	1.018	1.088	1.221	1.136	1.058	0.985	0.867	1.053	10.73
75)	C	Fluoranthene	1.320	1.268	1.306	1.199	1.102	1.043	0.903	1.163	13.27
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.236	0.285	0.253	0.347	0.228	0.198	0.230	0.254	19.22
78)		Pyrene	1.176	1.206	1.184	1.174	1.052	1.016	0.890	1.100	10.69
79)	S	Terphenyl-d14	1.036	1.023	0.970	0.841	0.686	0.657		0.869	19.31
80)		Butylbenzylpht...	0.443	0.467	0.515	0.510	0.494	0.490	0.455	0.482	5.73
81)		Benzo(a)anthra...	1.277	1.238	1.243	1.174	1.047	1.010	0.879	1.124	13.18
82)		3,3'-Dichlorob...	0.404	0.438	0.470	0.481	0.450	0.444	0.396	0.440	7.11
83)		Chrysene	1.266	1.225	1.201	1.110	1.005	0.962	0.838	1.087	14.51
84)		Bis(2-ethylhex...	0.550	0.608	0.705	0.698	0.672	0.659	0.591	0.641	9.15
85)	c	Di-n-octyl pht...	0.987	1.057	1.209	1.137	1.053	1.032	0.883	1.051	9.92

Method Path : Z:\svoasrv\HPCHEM1\BNA_E\Methods\
Method File : 8270-BE102824.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.390	1.352	1.390	1.394	1.315	1.315	1.214	1.338	4.83
88)		Benzo(b)fluora...	1.076	1.113	1.100	1.110	1.023	1.000	0.873	1.042	8.29
89)		Benzo(k)fluora...	1.126	1.042	1.087	1.015	0.897	0.875	0.774	0.974	13.13
90)	C	Benzo(a)pyrene	0.935	0.933	0.961	0.966	0.899	0.890	0.796	0.912	6.37
91)		Dibenzo(a,h)an...	1.130	1.125	1.169	1.170	1.089	1.083	0.977	1.106	6.00
92)		Benzo(g,h,i)pe...	1.162	1.130	1.155	1.179	1.125	1.152	1.075	1.140	2.98

(#) = 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: POWE02

Lab Code: CHEM Case No.: P4675 SAS No.: P4675 SDG No.: P4675

Instrument ID: BNA_E Calibration Date/Time: 11/04/2024 12:49

Lab File ID: BE101453.D Init. Calib. Date(s): 10/28/2024 10/28/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:44 16:01

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.141	1.142		0.1	
Phenol-d6	1.582	1.573		-0.6	
Nitrobenzene-d5	0.318	0.321		0.9	
Naphthalene	1.019	0.990		-2.8	
2-Fluorobiphenyl	1.181	1.206		2.1	
Fluorene	1.394	1.357		-2.7	
2,4,6-Tribromophenol	0.351	0.356		1.4	
Phenanthrene	0.958	0.959		0.1	
Anthracene	0.935	0.954		2.0	
Pyrene	1.100	1.154		4.9	
Terphenyl-d14	0.869	0.859		-1.2	
Benzo(a)anthracene	1.124	1.162		3.4	
Chrysene	1.087	1.095		0.7	
Benzo(b)fluoranthene	1.042	1.060		1.7	
Benzo(a)pyrene	0.912	0.933		2.3	20.0
Indeno(1,2,3-cd)pyrene	1.338	1.355		1.3	
Benzo(g,h,i)perylene	1.140	1.151		1.0	

All other compounds must meet a minimum RRF of 0.010.

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM Case No.: P4675 SAS No.: P4675 SDG No.: P4675

Instrument ID: BNA_E Calibration Date/Time: 11/05/2024 10:48

Lab File ID: BE101472.D Init. Calib. Date(s): 10/28/2024 10/28/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:44 16:01

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.141	1.115		-2.3	
Phenol-d6	1.582	1.603		1.3	
Nitrobenzene-d5	0.318	0.318		0.0	
Naphthalene	1.019	0.995		-2.4	
2-Fluorobiphenyl	1.181	1.226		3.8	
Fluorene	1.394	1.383		-0.8	
2,4,6-Tribromophenol	0.351	0.367		4.6	
Phenanthrene	0.958	0.954		-0.4	
Anthracene	0.935	0.957		2.4	
Pyrene	1.100	1.178		7.1	
Terphenyl-d14	0.869	0.916		5.4	
Benzo(a)anthracene	1.124	1.184		5.3	
Chrysene	1.087	1.113		2.4	
Benzo(b)fluoranthene	1.042	1.045		0.3	
Benzo(a)pyrene	0.912	0.931		2.1	20.0
Indeno(1,2,3-cd)pyrene	1.338	1.358		1.5	
Benzo(g,h,i)perylene	1.140	1.136		-0.4	

All other compounds must meet a minimum RRF of 0.010.