



A

B

C

SAMPLE DATA

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-3-1	SDG No.:	P4768
Lab Sample ID:	P4768-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.2
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
11/13/24 09:40	11/13/24 22:43	PB164943

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	2.80		1	0.40	1.06	mg/kg	FE051212.D
Aliphatic C12-C16	Aliphatic C12-C16	2.34		1	0.25	0.71	mg/kg	FE051212.D
Aliphatic C16-C21	Aliphatic C16-C21	12.8		1	0.32	1.06	mg/kg	FE051212.D
Aliphatic C21-C28	Aliphatic C21-C28	85.6		5	4.24	7.06	mg/kg	FE051227.D
Aliphatic C28-C40	Aliphatic C28-C40	84.4		5	9.53	10.6	mg/kg	FE051227.D
Aromatic C10-C12	Aromatic C10-C12	0.43	J	1	0.32	0.71	mg/kg	FF015027.D
Aromatic C12-C16	Aromatic C12-C16	2.72		1	0.36	1.06	mg/kg	FF015027.D
Aromatic C16-C21	Aromatic C16-C21	5.22		1	1.02	1.77	mg/kg	FF015027.D
Aromatic C21-C36	Aromatic C21-C36	43.3		1	2.12	2.82	mg/kg	FF015027.D
Total AliphaticEPH	Total AliphaticEPH	188			14.7	20.5	mg/kg	
Total AromaticEPH	Total AromaticEPH	51.7			3.82	6.36	mg/kg	
Total EPH	Total EPH	240			18.6	26.8	mg/kg	

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-3-1	SDG No.:	P4768
Lab Sample ID:	P4768-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.2
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE051212.D	1	11/13/24	11/13/24	PB164943

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	2.80		0.40	1.06	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	2.34		0.25	0.71	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	12.8		0.32	1.06	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	82.7	E	0.85	1.41	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	70.7	E	1.91	2.12	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	26.6		40 - 140	53%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4768-01	Acq On:	13 Nov 2024 22:43
Client Sample ID:	B-3-1	Operator:	YP\AJ
Data file:	FE051212.D	Misc:	
Instrument:	FID_E	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.138	6.755	5541837	39.609	300	ug/ml
Aliphatic C12-C16	6.756	10.187	4667509	33.189	200	ug/ml
Aliphatic C16-C21	10.188	13.546	24879875	180.593	300	ug/ml
Aliphatic C21-C28	13.547	17.200	156803413	1170	400	ug/ml
Aliphatic C28-C40	17.201	22.043	128830106	1000	600	ug/ml
Aliphatic EPH	3.138	22.043	320722740	2420		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.281	13.281	3016977	26.57		ug/ml
Aliphatic C9-C28	3.138	17.200	191892634	1420	1200	ug/ml

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-3-1	SDG No.:	P4768
Lab Sample ID:	P4768-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.2
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF015027.D	1	11/13/24	11/14/24	PB164943

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.43	J	0.32	0.71	mg/kg
Aromatic C12-C16	Aromatic C12-C16	2.72		0.36	1.06	mg/kg
Aromatic C16-C21	Aromatic C16-C21	5.22		1.02	1.77	mg/kg
Aromatic C21-C36	Aromatic C21-C36	43.3		2.12	2.82	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	47.8		40 - 140	96%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	46.8		40 - 140	94%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	27.0		40 - 140	54%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4768-01	Acq On:	14 Nov 2024 10:02
Client Sample ID:	B-3-1	Operator:	YP\AJ
Data file:	FF015027.D	Misc:	
Instrument:	FID_F	ALS Vial:	61
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.508	6.173	932844	6.035	200	ug/ml
Aromatic C12-C16	6.174	9.065	5913565	38.51	300	ug/ml
Aromatic C16-C21	9.066	13.377	10513101	73.986	500	ug/ml
Aromatic C21-C36	13.378	18.821	84568165	612.631	800	ug/ml
Aromatic EPH	4.508	18.821	101927675	731.161		ug/ml
ortho-Terphenyl (SURR)	11.927	11.927	3974375	26.98		ug/ml
2-Bromonaphthalene (SURR)	7.993	7.993	6363749	47.82		ug/ml
2-Fluorobiphenyl (SURR)	8.867	8.867	4171730	46.77		ug/ml

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-3-1DL	SDG No.:	P4768
Lab Sample ID:	P4768-01DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.2
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE051227.D	5	11/13/24	11/14/24	PB164943

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	2.27	J	2.01	5.30	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	2.69	J	1.27	3.53	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	14.3		1.59	5.30	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	85.6		4.24	7.06	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	84.4		9.53	10.6	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	5.48		40 - 140	55%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4768-01DL	Acq On:	14 Nov 2024 09:09
Client Sample ID:	B-3-1DL	Operator:	YP\AJ
Data file:	FE051227.D	Misc:	
Instrument:	FID_E	ALS Vial:	6
Dilution Factor:	5	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.135	6.753	900000	6.432	300	ug/ml
Aliphatic C12-C16	6.754	10.184	1069911	7.608	200	ug/ml
Aliphatic C16-C21	10.185	13.542	5568967	40.423	300	ug/ml
Aliphatic C21-C28	13.543	17.196	32494216	242.582	400	ug/ml
Aliphatic C28-C40	17.197	22.038	30792159	239.165	600	ug/ml
Aliphatic EPH	3.135	22.038	70825253	536.21		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.278	13.278	621620	5.48		ug/ml
Aliphatic C9-C28	3.135	17.196	40033094	297.045	1200	ug/ml

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-3-2	SDG No.:	P4768
Lab Sample ID:	P4768-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	95.1
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
11/13/24 09:40	11/13/24 23:13	PB164943

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.40	U	1	0.40	1.05	mg/kg	FE051213.D
Aliphatic C12-C16	Aliphatic C12-C16	0.67	J	1	0.25	0.70	mg/kg	FE051213.D
Aliphatic C16-C21	Aliphatic C16-C21	0.50	J	1	0.32	1.05	mg/kg	FE051213.D
Aliphatic C21-C28	Aliphatic C21-C28	0.89	J	1	0.84	1.40	mg/kg	FE051213.D
Aliphatic C28-C40	Aliphatic C28-C40	9.48		1	1.89	2.10	mg/kg	FE051213.D
Aromatic C10-C12	Aromatic C10-C12	0.32	U	1	0.32	0.70	mg/kg	FF015013.D
Aromatic C12-C16	Aromatic C12-C16	0.36	U	1	0.36	1.05	mg/kg	FF015013.D
Aromatic C16-C21	Aromatic C16-C21	1.53	J	1	1.01	1.75	mg/kg	FF015013.D
Aromatic C21-C36	Aromatic C21-C36	2.10	U	1	2.10	2.80	mg/kg	FF015013.D
Total AliphaticEPH	Total AliphaticEPH	11.5			3.70	6.30	mg/kg	
Total AromaticEPH	Total AromaticEPH	3.78	U		3.78	6.30	mg/kg	
Total EPH	Total EPH	13.1			7.48	12.6	mg/kg	

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-3-2	SDG No.:	P4768
Lab Sample ID:	P4768-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	95.1
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE051213.D	1	11/13/24	11/13/24	PB164943

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.40	U	0.40	1.05	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.67	J	0.25	0.70	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.50	J	0.32	1.05	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.89	J	0.84	1.40	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	9.48		1.89	2.10	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.0		40 - 140	66%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4768-02	Acq On:	13 Nov 2024 23:13
Client Sample ID:	B-3-2	Operator:	YP\AJ
Data file:	FE051213.D	Misc:	
Instrument:	FID_E	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.138	6.755	485188	3.468	300	ug/ml
Aliphatic C12-C16	6.756	10.187	1340418	9.531	200	ug/ml
Aliphatic C16-C21	10.188	13.546	989856	7.185	300	ug/ml
Aliphatic C21-C28	13.547	17.200	1700083	12.692	400	ug/ml
Aliphatic C28-C40	17.201	22.043	17419388	135.298	600	ug/ml
Aliphatic EPH	3.138	22.043	21934933	168.173		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.280	13.280	3747520	33.01		ug/ml
Aliphatic C9-C28	3.138	17.200	4515545	32.876	1200	ug/ml

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-3-2	SDG No.:	P4768
Lab Sample ID:	P4768-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	95.1
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF015013.D	1	11/13/24	11/13/24	PB164943

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.32	U	0.32	0.70	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.36	U	0.36	1.05	mg/kg
Aromatic C16-C21	Aromatic C16-C21	1.53	J	1.01	1.75	mg/kg
Aromatic C21-C36	Aromatic C21-C36	2.10	U	2.10	2.80	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	45.2		40 - 140	90%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	43.0		40 - 140	86%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	22.3		40 - 140	45%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4768-02	Acq On:	13 Nov 2024 16:46
Client Sample ID:	B-3-2	Operator:	YP\AJ
Data file:	FF015013.D	Misc:	
Instrument:	FID_F	ALS Vial:	62
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.508	6.372	416534	2.695	200	ug/ml
Aromatic C12-C16	6.373	9.063	577088	3.758	300	ug/ml
Aromatic C16-C21	9.064	13.374	3100877	21.822	500	ug/ml
Aromatic C21-C36	13.375	18.815	3083206	22.335	800	ug/ml
Aromatic EPH	4.508	18.815	7177705	50.611		ug/ml
ortho-Terphenyl (SURR)	11.924	11.924	3289488	22.33		ug/ml
2-Bromonaphthalene (SURR)	7.991	7.991	6016654	45.21		ug/ml
2-Fluorobiphenyl (SURR)	8.864	8.864	3832132	42.97		ug/ml

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-3-3	SDG No.:	P4768
Lab Sample ID:	P4768-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.8
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
11/13/24 09:40	11/13/24 23:43	PB164943

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.41	U	1	0.41	1.09	mg/kg	FE051214.D
Aliphatic C12-C16	Aliphatic C12-C16	0.67	J	1	0.26	0.73	mg/kg	FE051214.D
Aliphatic C16-C21	Aliphatic C16-C21	0.62	J	1	0.33	1.09	mg/kg	FE051214.D
Aliphatic C21-C28	Aliphatic C21-C28	0.87	U	1	0.87	1.45	mg/kg	FE051214.D
Aliphatic C28-C40	Aliphatic C28-C40	8.01		1	1.96	2.18	mg/kg	FE051214.D
Aromatic C10-C12	Aromatic C10-C12	0.33	U	1	0.33	0.73	mg/kg	FF015014.D
Aromatic C12-C16	Aromatic C12-C16	3.32		1	0.37	1.09	mg/kg	FF015014.D
Aromatic C16-C21	Aromatic C16-C21	1.74	J	1	1.05	1.81	mg/kg	FF015014.D
Aromatic C21-C36	Aromatic C21-C36	2.18	U	1	2.18	2.90	mg/kg	FF015014.D
Total AliphaticEPH	Total AliphaticEPH	9.30			3.83	6.54	mg/kg	
Total AromaticEPH	Total AromaticEPH	5.06	J		3.93	6.53	mg/kg	
Total EPH	Total EPH	14.4			7.76	13.1	mg/kg	

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-3-3	SDG No.:	P4768
Lab Sample ID:	P4768-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.8
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE051214.D	1	11/13/24	11/13/24	PB164943

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.41	U	0.41	1.09	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.67	J	0.26	0.73	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.62	J	0.33	1.09	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.87	U	0.87	1.45	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	8.01		1.96	2.18	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	28.4		40 - 140	57%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4768-03	Acq On:	13 Nov 2024 23:43
Client Sample ID:	B-3-3	Operator:	YP\AJ
Data file:	FE051214.D	Misc:	
Instrument:	FID_E	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.138	6.755	530517	3.792	300	ug/ml
Aliphatic C12-C16	6.756	10.187	1296984	9.222	200	ug/ml
Aliphatic C16-C21	10.188	13.546	1177354	8.546	300	ug/ml
Aliphatic C21-C28	13.547	17.200	1148217	8.572	400	ug/ml
Aliphatic C28-C40	17.201	22.043	14204488	110.327	600	ug/ml
Aliphatic EPH	3.138	22.043	18357560	140.459		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.280	13.280	3225263	28.41		ug/ml
Aliphatic C9-C28	3.138	17.200	4153072	30.132	1200	ug/ml

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-3-3	SDG No.:	P4768
Lab Sample ID:	P4768-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.8
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF015014.D	1	11/13/24	11/13/24	PB164943

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.33	U	0.33	0.73	mg/kg
Aromatic C12-C16	Aromatic C12-C16	3.32		0.37	1.09	mg/kg
Aromatic C16-C21	Aromatic C16-C21	1.74	J	1.05	1.81	mg/kg
Aromatic C21-C36	Aromatic C21-C36	2.18	U	2.18	2.90	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	47.0		40 - 140	94%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	46.5		40 - 140	93%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	21.6		40 - 140	43%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4768-03	Acq On:	13 Nov 2024 17:14
Client Sample ID:	B-3-3	Operator:	YP\AJ
Data file:	FF015014.D	Misc:	
Instrument:	FID_F	ALS Vial:	63
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.508	6.372	481088	3.112	200	ug/ml
Aromatic C12-C16	6.373	9.063	7028894	45.773	300	ug/ml
Aromatic C16-C21	9.064	13.374	3398527	23.917	500	ug/ml
Aromatic C21-C36	13.375	18.815	1930318	13.984	800	ug/ml
Aromatic EPH	4.508	18.815	12838827	86.786		ug/ml
ortho-Terphenyl (SURR)	11.924	11.924	3187830	21.64		ug/ml
2-Bromonaphthalene (SURR)	7.991	7.991	6250433	46.97		ug/ml
2-Fluorobiphenyl (SURR)	8.865	8.865	4148417	46.51		ug/ml

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-4	SDG No.:	P4768
Lab Sample ID:	P4768-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	95.1
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
11/13/24 09:40	11/14/24 0:13	PB164943

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.40	U	1	0.40	1.05	mg/kg	FE051215.D
Aliphatic C12-C16	Aliphatic C12-C16	0.50	J	1	0.25	0.70	mg/kg	FE051215.D
Aliphatic C16-C21	Aliphatic C16-C21	0.42	J	1	0.32	1.05	mg/kg	FE051215.D
Aliphatic C21-C28	Aliphatic C21-C28	0.84	U	1	0.84	1.40	mg/kg	FE051215.D
Aliphatic C28-C40	Aliphatic C28-C40	6.28		1	1.89	2.10	mg/kg	FE051215.D
Aromatic C10-C12	Aromatic C10-C12	0.32	U	1	0.32	0.70	mg/kg	FF015015.D
Aromatic C12-C16	Aromatic C12-C16	0.36	U	1	0.36	1.05	mg/kg	FF015015.D
Aromatic C16-C21	Aromatic C16-C21	1.71	J	1	1.01	1.75	mg/kg	FF015015.D
Aromatic C21-C36	Aromatic C21-C36	2.10	U	1	2.10	2.80	mg/kg	FF015015.D
Total AliphaticEPH	Total AliphaticEPH	7.21			3.69	6.30	mg/kg	
Total AromaticEPH	Total AromaticEPH	3.78	U		3.78	6.30	mg/kg	
Total EPH	Total EPH	8.91	J		7.47	12.6	mg/kg	

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-4	SDG No.:	P4768
Lab Sample ID:	P4768-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	95.1
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE051215.D	1	11/13/24	11/14/24	PB164943

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.40	U	0.40	1.05	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.50	J	0.25	0.70	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.42	J	0.32	1.05	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.84	U	0.84	1.40	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	6.28		1.89	2.10	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	45.0		40 - 140	90%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4768-04	Acq On:	14 Nov 2024 00:13
Client Sample ID:	B-4	Operator:	YP\AJ
Data file:	FE051215.D	Misc:	
Instrument:	FID_E	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.138	6.755	437148	3.124	300	ug/ml
Aliphatic C12-C16	6.756	10.187	1010109	7.182	200	ug/ml
Aliphatic C16-C21	10.188	13.546	833325	6.049	300	ug/ml
Aliphatic C21-C28	13.547	17.200	773806	5.777	400	ug/ml
Aliphatic C28-C40	17.201	22.043	11569803	89.864	600	ug/ml
Aliphatic EPH	3.138	22.043	14624191	111.996		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.281	13.281	5104845	44.96		ug/ml
Aliphatic C9-C28	3.138	17.200	3054388	22.132	1200	ug/ml

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-4	SDG No.:	P4768
Lab Sample ID:	P4768-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	95.1
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF015015.D	1	11/13/24	11/13/24	PB164943

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.32	U	0.32	0.70	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.36	U	0.36	1.05	mg/kg
Aromatic C16-C21	Aromatic C16-C21	1.71	J	1.01	1.75	mg/kg
Aromatic C21-C36	Aromatic C21-C36	2.10	U	2.10	2.80	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	49.9		40 - 140	100%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	49.2		40 - 140	98%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	40.2		40 - 140	80%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4768-04	Acq On:	13 Nov 2024 17:43
Client Sample ID:	B-4	Operator:	YP\AJ
Data file:	FF015015.D	Misc:	
Instrument:	FID_F	ALS Vial:	64
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.508	6.372	420100	2.718	200	ug/ml
Aromatic C12-C16	6.373	9.063	573233	3.733	300	ug/ml
Aromatic C16-C21	9.064	13.374	3475811	24.461	500	ug/ml
Aromatic C21-C36	13.375	18.815	1966535	14.246	800	ug/ml
Aromatic EPH	4.508	18.815	6435679	45.158		ug/ml
ortho-Terphenyl (SURR)	11.927	11.927	5921184	40.2		ug/ml
2-Bromonaphthalene (SURR)	7.992	7.992	6641894	49.91		ug/ml
2-Flurobiphenyl (SURR)	8.866	8.866	4384160	49.16		ug/ml

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-5	SDG No.:	P4768
Lab Sample ID:	P4768-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
11/13/24 09:40	11/14/24 0:43	PB164943

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.42	U	1	0.42	1.11	mg/kg	FE051216.D
Aliphatic C12-C16	Aliphatic C12-C16	0.59	J	1	0.27	0.74	mg/kg	FE051216.D
Aliphatic C16-C21	Aliphatic C16-C21	0.60	J	1	0.33	1.11	mg/kg	FE051216.D
Aliphatic C21-C28	Aliphatic C21-C28	0.89	U	1	0.89	1.48	mg/kg	FE051216.D
Aliphatic C28-C40	Aliphatic C28-C40	5.68		1	1.99	2.22	mg/kg	FE051216.D
Aromatic C10-C12	Aromatic C10-C12	0.33	U	1	0.33	0.74	mg/kg	FF015016.D
Aromatic C12-C16	Aromatic C12-C16	2.14		1	0.38	1.11	mg/kg	FF015016.D
Aromatic C16-C21	Aromatic C16-C21	1.88		1	1.06	1.85	mg/kg	FF015016.D
Aromatic C21-C36	Aromatic C21-C36	2.22	U	1	2.22	2.96	mg/kg	FF015016.D
Total AliphaticEPH	Total AliphaticEPH	6.86			3.90	6.66	mg/kg	
Total AromaticEPH	Total AromaticEPH	4.02	J		3.99	6.66	mg/kg	
Total EPH	Total EPH	10.9	J		7.88	13.3	mg/kg	

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-5	SDG No.:	P4768
Lab Sample ID:	P4768-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE051216.D	1	11/13/24	11/14/24	PB164943

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.42	U	0.42	1.11	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.59	J	0.27	0.74	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.60	J	0.33	1.11	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.89	U	0.89	1.48	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.68		1.99	2.22	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	43.1		40 - 140	86%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4768-05	Acq On:	14 Nov 2024 00:43
Client Sample ID:	B-5	Operator:	YP\AJ
Data file:	FE051216.D	Misc:	
Instrument:	FID_E	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.138	6.755	427644	3.056	300	ug/ml
Aliphatic C12-C16	6.756	10.187	1113798	7.92	200	ug/ml
Aliphatic C16-C21	10.188	13.546	1112882	8.078	300	ug/ml
Aliphatic C21-C28	13.547	17.200	831204	6.205	400	ug/ml
Aliphatic C28-C40	17.201	22.043	9905179	76.934	600	ug/ml
Aliphatic EPH	3.138	22.043	13390707	102.194		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.280	13.280	4891539	43.09		ug/ml
Aliphatic C9-C28	3.138	17.200	3485528	25.259	1200	ug/ml

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-5	SDG No.:	P4768
Lab Sample ID:	P4768-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF015016.D	1	11/13/24	11/13/24	PB164943

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.33	U	0.33	0.74	mg/kg
Aromatic C12-C16	Aromatic C12-C16	2.14		0.38	1.11	mg/kg
Aromatic C16-C21	Aromatic C16-C21	1.88		1.06	1.85	mg/kg
Aromatic C21-C36	Aromatic C21-C36	2.22	U	2.22	2.96	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	44.1		40 - 140	88%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	43.9		40 - 140	88%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.1		40 - 140	66%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4768-05	Acq On:	13 Nov 2024 18:11
Client Sample ID:	B-5	Operator:	YP\AJ
Data file:	FF015016.D	Misc:	
Instrument:	FID_F	ALS Vial:	65
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.508	6.372	435444	2.817	200	ug/ml
Aromatic C12-C16	6.373	9.063	4456092	29.018	300	ug/ml
Aromatic C16-C21	9.064	13.374	3620167	25.477	500	ug/ml
Aromatic C21-C36	13.375	18.815	1382358	10.014	800	ug/ml
Aromatic EPH	4.508	18.815	9894061	67.327		ug/ml
ortho-Terphenyl (SURR)	11.926	11.926	4877762	33.12		ug/ml
2-Bromonaphthalene (SURR)	7.991	7.991	5873441	44.13		ug/ml
2-Flurobiphenyl (SURR)	8.865	8.865	3913034	43.87		ug/ml

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-6-2	SDG No.:	P4768
Lab Sample ID:	P4768-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.3
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
11/13/24 09:40	11/14/24 1:14	PB164943

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.62	J	1	0.40	1.06	mg/kg	FE051217.D
Aliphatic C12-C16	Aliphatic C12-C16	0.63	J	1	0.25	0.71	mg/kg	FE051217.D
Aliphatic C16-C21	Aliphatic C16-C21	0.55	J	1	0.32	1.06	mg/kg	FE051217.D
Aliphatic C21-C28	Aliphatic C21-C28	0.85	U	1	0.85	1.41	mg/kg	FE051217.D
Aliphatic C28-C40	Aliphatic C28-C40	8.36		1	1.91	2.12	mg/kg	FE051217.D
Aromatic C10-C12	Aromatic C10-C12	0.32	U	1	0.32	0.71	mg/kg	FF015017.D
Aromatic C12-C16	Aromatic C12-C16	5.94		1	0.36	1.06	mg/kg	FF015017.D
Aromatic C16-C21	Aromatic C16-C21	5.82		1	1.02	1.77	mg/kg	FF015017.D
Aromatic C21-C36	Aromatic C21-C36	8.16		1	2.12	2.83	mg/kg	FF015017.D
Total AliphaticEPH	Total AliphaticEPH	10.2			3.73	6.36	mg/kg	
Total AromaticEPH	Total AromaticEPH	19.9			3.82	6.37	mg/kg	
Total EPH	Total EPH	30.1			7.55	12.7	mg/kg	

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-6-2	SDG No.:	P4768
Lab Sample ID:	P4768-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.3
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE051217.D	1	11/13/24	11/14/24	PB164943

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.62	J	0.40	1.06	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.63	J	0.25	0.71	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.55	J	0.32	1.06	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.85	U	0.85	1.41	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	8.36		1.91	2.12	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.3		40 - 140	65%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4768-06	Acq On:	14 Nov 2024 01:14
Client Sample ID:	B-6-2	Operator:	YP\AJ
Data file:	FE051217.D	Misc:	
Instrument:	FID_E	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.138	6.755	1226740	8.768	300	ug/ml
Aliphatic C12-C16	6.756	10.187	1261251	8.968	200	ug/ml
Aliphatic C16-C21	10.188	13.546	1066873	7.744	300	ug/ml
Aliphatic C21-C28	13.547	17.200	1281396	9.566	400	ug/ml
Aliphatic C28-C40	17.201	22.043	15248742	118.438	600	ug/ml
Aliphatic EPH	3.138	22.043	20085002	153.484		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.280	13.280	3664720	32.28		ug/ml
Aliphatic C9-C28	3.138	17.200	4836260	35.046	1200	ug/ml

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-6-2	SDG No.:	P4768
Lab Sample ID:	P4768-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.3
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF015017.D	1	11/13/24	11/13/24	PB164943

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.32	U	0.32	0.71	mg/kg
Aromatic C12-C16	Aromatic C12-C16	5.94		0.36	1.06	mg/kg
Aromatic C16-C21	Aromatic C16-C21	5.82		1.02	1.77	mg/kg
Aromatic C21-C36	Aromatic C21-C36	8.16		2.12	2.83	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	53.1		40 - 140	106%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	53.0		40 - 140	106%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	26.9		40 - 140	54%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4768-06	Acq On:	13 Nov 2024 18:39
Client Sample ID:	B-6-2	Operator:	YP\AJ
Data file:	FF015017.D	Misc:	
Instrument:	FID_F	ALS Vial:	66
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.508	6.372	612295	3.961	200	ug/ml
Aromatic C12-C16	6.373	9.063	12912613	84.088	300	ug/ml
Aromatic C16-C21	9.064	13.374	11709550	82.406	500	ug/ml
Aromatic C21-C36	13.375	18.815	15943860	115.501	800	ug/ml
Aromatic EPH	4.508	18.815	41178318	285.956		ug/ml
ortho-Terphenyl (SURR)	11.926	11.926	3957060	26.87		ug/ml
2-Bromonaphthalene (SURR)	7.992	7.992	7064149	53.08		ug/ml
2-Fluorobiphenyl (SURR)	8.866	8.866	4727508	53.01		ug/ml

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-6-3	SDG No.:	P4768
Lab Sample ID:	P4768-07	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	95.4
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
11/13/24 09:40	11/13/24 17:52	PB164943

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.42	J	1	0.40	1.05	mg/kg	FC067738.D
Aliphatic C12-C16	Aliphatic C12-C16	0.53	J	1	0.25	0.70	mg/kg	FC067738.D
Aliphatic C16-C21	Aliphatic C16-C21	0.40	J	1	0.31	1.05	mg/kg	FC067738.D
Aliphatic C21-C28	Aliphatic C21-C28	0.84	U	1	0.84	1.40	mg/kg	FC067738.D
Aliphatic C28-C40	Aliphatic C28-C40	6.13		1	1.88	2.09	mg/kg	FC067738.D
Aromatic C10-C12	Aromatic C10-C12	0.31	U	1	0.31	0.70	mg/kg	FD048719.D
Aromatic C12-C16	Aromatic C12-C16	0.76	J	1	0.36	1.05	mg/kg	FD048719.D
Aromatic C16-C21	Aromatic C16-C21	11.0		1	1.00	1.74	mg/kg	FD048719.D
Aromatic C21-C36	Aromatic C21-C36	13.1		1	2.09	2.79	mg/kg	FD048719.D
Total AliphaticEPH	Total AliphaticEPH	7.48			3.68	6.29	mg/kg	
Total AromaticEPH	Total AromaticEPH	24.9			3.76	6.28	mg/kg	
Total EPH	Total EPH	32.3			7.44	12.6	mg/kg	

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-6-3	SDG No.:	P4768
Lab Sample ID:	P4768-07	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	95.4
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067738.D	1	11/13/24	11/13/24	PB164943

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.42	J	0.40	1.05	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.53	J	0.25	0.70	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.40	J	0.31	1.05	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.84	U	0.84	1.40	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	6.13		1.88	2.09	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	50.3		40 - 140	101%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4768-07	Acq On:	13 Nov 2024 17:52
Client Sample ID:	B-6-3	Operator:	YP/AJ
Data file:	FC067738.D	Misc:	
Instrument:	FID_C	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.169	6.447	822988	6.075	300	ug/ml
Aliphatic C12-C16	6.448	9.836	1005838	7.638	200	ug/ml
Aliphatic C16-C21	9.837	13.192	723566	5.687	300	ug/ml
Aliphatic C21-C28	13.193	16.845	1355381	11.286	400	ug/ml
Aliphatic C28-C40	16.846	21.681	8878743	87.827	600	ug/ml
Aliphatic EPH	3.169	21.681	12786516	118.514		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.926	12.926	5434579	50.33		ug/ml
Aliphatic C9-C28	3.169	16.845	3907773	30.686	1200	ug/ml

Report of Analysis

Client:	JPCL Engineering	Date Collected:	11/07/24
Project:	Trenton Youth Wrestling	Date Received:	11/07/24
Client Sample ID:	B-6-3	SDG No.:	P4768
Lab Sample ID:	P4768-07	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	95.4
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048719.D	1	11/13/24	11/13/24	PB164943

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.31	U	0.31	0.70	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.76	J	0.36	1.05	mg/kg
Aromatic C16-C21	Aromatic C16-C21	11.0		1.00	1.74	mg/kg
Aromatic C21-C36	Aromatic C21-C36	13.1		2.09	2.79	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	43.2		40 - 140	86%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	42.2		40 - 140	84%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	22.1		40 - 140	44%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4768-07	Acq On:	13 Nov 2024 17:52
Client Sample ID:	B-6-3	Operator:	YP/AJ
Data file:	FD048719.D	Misc:	
Instrument:	FID_D	ALS Vial:	64
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.089	5.807	527436	2.993	200	ug/ml
Aromatic C12-C16	5.808	8.412	1938839	10.937	300	ug/ml
Aromatic C16-C21	8.413	12.673	25825021	157.631	500	ug/ml
Aromatic C21-C36	12.674	18.078	28696470	187.911	800	ug/ml
Aromatic EPH	4.089	18.078	56987766	359.472		ug/ml
ortho-Terphenyl (SURR)	11.249	11.249	3773518	22.15		ug/ml
2-Bromonaphthalene (SURR)	7.366	7.366	6559605	43.22		ug/ml
2-Fluorobiphenyl (SURR)	8.216	8.216	4139882	42.16		ug/ml

LAB CHRONICLE

OrderID:	P4768	OrderDate:	11/7/2024 1:45:00 PM
Client:	JPCL Engineering	Project:	Trenton Youth Wrestling
Contact:	Paul Rotondi	Location:	L23,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4768-01	B-3-1	SOIL	PCB	8082A	11/07/24	11/08/24	11/08/24	11/07/24
			EPH	NJEPH		11/13/24	11/13/24	
P4768-01DL	B-3-1DL	Solid	EPH	NJEPH	11/07/24	11/13/24	11/14/24	11/07/24
P4768-02	B-3-2	SOIL	PCB	8082A	11/07/24	11/08/24	11/08/24	11/07/24
			EPH	NJEPH		11/13/24	11/13/24	
P4768-03	B-3-3	SOIL	PCB	8082A	11/07/24	11/08/24	11/08/24	11/07/24
			EPH	NJEPH		11/13/24	11/13/24	
P4768-04	B-4	SOIL	PCB	8082A	11/07/24	11/08/24	11/08/24	11/07/24
			EPH	NJEPH		11/13/24	11/13/24	
			EPH	NJEPH		11/13/24	11/14/24	
P4768-05	B-5	SOIL	PCB	8082A	11/07/24	11/08/24	11/08/24	11/07/24
			EPH	NJEPH		11/13/24	11/13/24	
			EPH	NJEPH		11/13/24	11/14/24	
P4768-06	B-6-2	SOIL	PCB	8082A	11/07/24	11/08/24	11/08/24	11/07/24
			EPH	NJEPH		11/13/24	11/13/24	
			EPH	NJEPH		11/13/24	11/14/24	
P4768-07	B-6-3	SOIL			11/07/24			11/07/24

LAB CHRONICLE

PCB	8082A	11/08/24	11/08/24
EPH	NJEPH	11/13/24	11/13/24