

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

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

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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