

Report of Analysis

Client:	T&A Construction Inc	Date Collected:	07/14/25
Project:	Kingsland Point Park Water Main	Date Received:	07/14/25
Client Sample ID:	STOCK-PILE	SDG No.:	Q2600
Lab Sample ID:	Q2600-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	82.1
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
07/16/25 09:25	07/17/25 10:23	PB168877

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12	44.1		10	1.70	12.1	mg/kg FC069481.D
Aliphatic C12-C16	Aliphatic C12-C16	6.44		1	0.13	0.81	mg/kg FC069463.D
Aliphatic C16-C21	Aliphatic C16-C21	32.2		10	1.58	12.1	mg/kg FC069481.D
Aliphatic C21-C28	Aliphatic C21-C28	159		10	6.44	16.2	mg/kg FC069481.D
Aliphatic C28-C40	Aliphatic C28-C40	81.1		10	14.3	24.3	mg/kg FC069481.D
Aromatic C10-C12	Aromatic C10-C12	9.04		1	0.15	0.81	mg/kg FD049553.D
Aromatic C12-C16	Aromatic C12-C16	5.43		1	0.28	1.21	mg/kg FD049553.D
Aromatic C16-C21	Aromatic C16-C21	19.4		1	0.49	2.02	mg/kg FD049553.D
Aromatic C21-C36	Aromatic C21-C36	83.1		5	7.23	16.2	mg/kg FD049571.D
Total AliphaticEPH	Total AliphaticEPH	323			24.2	65.5	mg/kg
Total AromaticEPH	Total AromaticEPH	117			8.14	20.2	mg/kg
Total EPH	Total EPH	440			32.3	85.8	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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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069463.D	1	07/16/25	07/16/25	PB168877

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	38.5	E	0.17	1.21	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	6.44		0.13	0.81	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	41.6	E	0.16	1.21	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	185	E	0.64	1.62	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	105	E	1.43	2.43	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	41.5		40 - 140	83%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2600-05	Acq On:	16 Jul 2025 18:23
Client Sample ID:	STOCK-PILE	Operator:	YP/AJ
Data file:	FC069463.D	Misc:	
Instrument:	FID_C	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.297	6.597	66074243	475.356	300	ug/ml
Aliphatic C12-C16	6.598	10.000	11459154	79.537	200	ug/ml
Aliphatic C16-C21	10.001	13.371	69907683	514.039	300	ug/ml
Aliphatic C21-C28	13.372	17.037	272883111	2290	400	ug/ml
Aliphatic C28-C40	17.038	22.012	116768937	1300	600	ug/ml
Aliphatic EPH	3.297	22.012	537093128	4660		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.109	13.109	4684410	41.45		ug/ml
Aliphatic C9-C28	3.297	17.037	420324191	3360	1200	ug/ml