

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:	TRENCHDL	SDG No.:	Q2600
Lab Sample ID:	Q2600-01DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	75.5
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069480.D	10	07/16/25	07/17/25	PB168877

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	41.6		1.85	13.2	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	7.59	J	1.45	8.81	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	55.2		1.72	13.2	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	230		7.01	17.6	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	164		15.6	26.4	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	3.37		40 - 140	67%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2600-01DL	Acq On:	17 Jul 2025 09:40
Client Sample ID:	TRENCHDL	Operator:	YP/AJ
Data file:	FC069480.D	Misc:	
Instrument:	FID_C	ALS Vial:	11
Dilution Factor:	10	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.303	6.599	6569302	47.261	300	ug/ml
Aliphatic C12-C16	6.600	10.002	1241358	8.616	200	ug/ml
Aliphatic C16-C21	10.003	13.370	8525953	62.692	300	ug/ml
Aliphatic C21-C28	13.371	17.036	31073779	261.148	400	ug/ml
Aliphatic C28-C40	17.037	22.013	16741695	186.261	600	ug/ml
Aliphatic EPH	3.303	22.013	64152087	565.979		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.103	13.103	381061	3.37		ug/ml
Aliphatic C9-C28	3.303	17.036	47410392	379.717	1200	ug/ml