

Report of Analysis

Client:	T&A Construction Inc	Date Collected:	
Project:	Kingsland Point Park Water Main	Date Received:	
Client Sample ID:	STOCK-PILEMS	SDG No.:	Q2600
Lab Sample ID:	Q2600-05MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	82.1
Sample Wt/Vol:	30.01 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	07/16/25 19:54	PB168877

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	40.0	E	1	0.17	1.22	mg/kg	FC069465.D
Aliphatic C12-C16	Aliphatic C12-C16	11.9		1	0.13	0.81	mg/kg	FC069465.D
Aliphatic C16-C21	Aliphatic C16-C21	57.2	E	1	0.16	1.22	mg/kg	FC069465.D
Aliphatic C21-C28	Aliphatic C21-C28	210	E	1	0.65	1.62	mg/kg	FC069465.D
Aliphatic C28-C40	Aliphatic C28-C40	133	E	1	1.44	2.44	mg/kg	FC069465.D
Aromatic C10-C12	Aromatic C10-C12	14.5		1	0.15	0.81	mg/kg	FD049555.D
Aromatic C12-C16	Aromatic C12-C16	17.0		1	0.28	1.22	mg/kg	FD049555.D
Aromatic C16-C21	Aromatic C16-C21	40.1		1	0.49	2.03	mg/kg	FD049555.D
Aromatic C21-C36	Aromatic C21-C36	107	E	1	1.45	3.25	mg/kg	FD049555.D
Total AliphaticEPH	Total AliphaticEPH	452			2.55	7.31	mg/kg	
Total AromaticEPH	Total AromaticEPH	179			2.36	7.31	mg/kg	
Total EPH	Total EPH	631			4.91	14.6	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

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FC069465.D	1	07/16/25	07/16/25	PB168877

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Aliphatic C21-C28	Aliphatic C21-C28	210	E	0.65	1.62	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	133	E	1.44	2.44	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	34.7		40 - 140	69%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2600-05MS	Acq On:	16 Jul 2025 19:54
Client Sample ID:	STOCK-PILEMS	Operator:	YP/AJ
Data file:	FC069465.D	Misc:	
Instrument:	FID_C	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.297	6.597	68477874	492.648	300	ug/ml
Aliphatic C12-C16	6.598	10.000	21165685	146.909	200	ug/ml
Aliphatic C16-C21	10.001	13.371	95848437	704.784	300	ug/ml
Aliphatic C21-C28	13.372	17.037	309024257	2600	400	ug/ml
Aliphatic C28-C40	17.038	22.012	148222307	1650	600	ug/ml
Aliphatic EPH	3.297	22.012	642738560	5590		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.111	13.111	3926188	34.74		ug/ml
Aliphatic C9-C28	3.297	17.037	494516253	3940	1200	ug/ml