284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

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:	END-OF-TRENCH	SDG No.:	Q2600
Lab Sample ID:	Q2600-09	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.2
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
07/16/25 09:25	07/17/25 11:07	PB168877

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	151		10	1.64	11.7	mg/kg	FC069482.D
Aliphatic C12-C16	Aliphatic C12-C16	11.3		1	0.13	0.78	mg/kg	FC069467.D
Aliphatic C16-C21	Aliphatic C16-C21	50.2		10	1.52	11.7	mg/kg	FC069482.D
Aliphatic C21-C28	Aliphatic C21-C28	166		10	6.21	15.6	mg/kg	FC069482.D
Aliphatic C28-C40	Aliphatic C28-C40	97.7		10	13.8	23.4	mg/kg	FC069482.D
Aromatic C10-C12	Aromatic C10-C12	46.5		5	0.70	3.91	mg/kg	FD049572.D
Aromatic C12-C16	Aromatic C12-C16	10.2		1	0.27	1.17	mg/kg	FD049557.D
Aromatic C16-C21	Aromatic C16-C21	23.6		1	0.47	1.95	mg/kg	FD049557.D
Aromatic C21-C36	Aromatic C21-C36	70.5		5	6.97	15.6	mg/kg	FD049572.D
Total AliphaticEPH	Total AliphaticEPH	476			23.3	63.2	mg/kg	
Total AromaticEPH	Total AromaticEPH	151			8.41	22.6	mg/kg	
Total EPH	Total EPH	627			31.7	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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Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069467.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	139	E	0.16	1.17	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	11.3		0.13	0.78	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	56.1	E	0.15	1.17	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	176	E	0.62	1.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	98.7	E	1.38	2.34	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	40.6		40 - 140	81%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2600-09	Acq On:	16 Jul 2025 21:23
Client Sample ID:	END-OF-TRENCH	Operator:	YP/AJ
Data file:	FC069467.D	Misc:	
Instrument:	FID_C	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.297	6.597	247495827	1780	300	ug/ml
Aliphatic C12-C16	6.598	10.000	20823558	144.534	200	ug/ml
Aliphatic C16-C21	10.001	13.371	97650484	718.034	300	ug/ml
Aliphatic C21-C28	13.372	17.037	268233887	2250	400	ug/ml
Aliphatic C28-C40	17.038	22.012	113572215	1260	600	ug/ml
Aliphatic EPH	3.297	22.012	747775971	6160		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.110	13.110	4591609	40.63		ug/ml
Aliphatic C9-C28	3.297	17.037	634203756	4900	1200	ug/ml