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:	TRENCH	SDG No.:	Q2600
Lab Sample ID:	Q2600-01	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 :			

Prep Date :	Date Analyzed :	Prep Batch ID
07/16/25 09:25	07/17/25 9:40	PB168877

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	41.6		10	1.85	13.2	mg/kg	FC069480.D
Aliphatic C12-C16	Aliphatic C12-C16	9.18		1	0.14	0.88	mg/kg	FC069462.D
Aliphatic C16-C21	Aliphatic C16-C21	55.2		10	1.72	13.2	mg/kg	FC069480.D
Aliphatic C21-C28	Aliphatic C21-C28	230		10	7.01	17.6	mg/kg	FC069480.D
Aliphatic C28-C40	Aliphatic C28-C40	164		10	15.6	26.4	mg/kg	FC069480.D
Aromatic C10-C12	Aromatic C10-C12	8.02		1	0.16	0.88	mg/kg	FD049552.D
Aromatic C12-C16	Aromatic C12-C16	5.01		1	0.30	1.32	mg/kg	FD049552.D
Aromatic C16-C21	Aromatic C16-C21	27.8		1	0.53	2.20	mg/kg	FD049552.D
Aromatic C21-C36	Aromatic C21-C36	117		5	7.87	17.6	mg/kg	FD049570.D
Total AliphaticEPH	Total AliphaticEPH	500			26.3	71.3	mg/kg	
Total AromaticEPH	Total AromaticEPH	158			8.86	22.0	mg/kg	
Total EPH	Total EPH	658			35.2	93.3	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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Lab Sample ID:	Q2600-01	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
FC069462.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		42.6	E	0.19	1.32	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		9.18		0.14	0.88	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		65.5	E	0.17	1.32	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		268	E	0.70	1.76	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		149	E	1.56	2.64	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		35.1		40 - 140	70%	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:	Q2600-01	Acq On:	16 Jul 2025 17:35
Client Sample ID:	TRENCH	Operator:	YP/AJ
Data file:	FC069462.D	Misc:	
Instrument:	FID_C	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.297	6.597	67250631	483.819	300	ug/ml
Aliphatic C12-C16	6.598	10.000	15002165	104.129	200	ug/ml
Aliphatic C16-C21	10.001	13.371	101129807	743.618	300	ug/ml
Aliphatic C21-C28	13.372	17.037	362149946	3040	400	ug/ml
Aliphatic C28-C40	17.038	22.012	152810312	1700	600	ug/ml
Aliphatic EPH	3.297	22.012	698342861	6080		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.110	13.110	3962321	35.06		ug/ml
Aliphatic C9-C28	3.297	17.037	545532549	4380	1200	ug/ml