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

Report of Analysis

Client:	Earth Engineering Inc.			Date Collected:	
Project:	Thomas McGoven			Date Received:	
Client Sample ID:	S-1MS			SDG No.:	Q2392
Lab Sample ID:	Q2392-01MS			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	92.2
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
06/24/25 13:45	06/25/25 14:14	PB168603

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	5.46		1	0.15	1.08	mg/kg	FC069283.D
Aliphatic C12-C16	Aliphatic C12-C16	5.02		1	0.12	0.72	mg/kg	FC069283.D
Aliphatic C16-C21	Aliphatic C16-C21	9.75		1	0.14	1.08	mg/kg	FC069283.D
Aliphatic C21-C28	Aliphatic C21-C28	10.2		1	0.57	1.45	mg/kg	FC069283.D
Aliphatic C28-C40	Aliphatic C28-C40	19.9		1	1.28	2.17	mg/kg	FC069283.D
Aromatic C10-C12	Aromatic C10-C12	6.12		1	0.13	0.72	mg/kg	FD049519.D
Aromatic C12-C16	Aromatic C12-C16	9.91		1	0.25	1.08	mg/kg	FD049519.D
Aromatic C16-C21	Aromatic C16-C21	21.8		1	0.43	1.81	mg/kg	FD049519.D
Aromatic C21-C36	Aromatic C21-C36	34.6		1	1.29	2.89	mg/kg	FD049519.D
Total AliphaticEPH	Total AliphaticEPH	50.3			2.27	6.50	mg/kg	
Total AromaticEPH	Total AromaticEPH	72.4			2.10	6.50	mg/kg	
Total EPH	Total EPH	123			4.37	13.0	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:	Q2392-01MS		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	92.2	
Sample Wt/Vol:	30.02 Units:	g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069283.D	1	06/24/25	06/25/25	PB168603

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	5.46		0.15	1.08	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	5.02		0.12	0.72	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	9.75		0.14	1.08	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	10.2		0.57	1.45	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	19.9		1.28	2.17	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	34.0		40 - 140	68%	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:	Q2392-01MS	Acq On:	25 Jun 2025 14:14
Client Sample ID:	S-1MS	Operator:	YP/AJ
Data file:	FC069283.D	Misc:	
Instrument:	FID_C	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.306	6.605	11081974	75.552	300	ug/ml
Aliphatic C12-C16	6.606	10.009	11062049	69.481	200	ug/ml
Aliphatic C16-C21	10.010	13.380	20841499	134.954	300	ug/ml
Aliphatic C21-C28	13.381	17.044	18965734	141.571	400	ug/ml
Aliphatic C28-C40	17.045	22.027	25392861	275.637	600	ug/ml
Aliphatic EPH	3.306	22.027	87344117	697.194		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.113	13.113	4440516	33.99		ug/ml
Aliphatic C9-C28	3.306	17.044	61951256	421.558	1200	ug/ml