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

Report of Analysis

Client:	PSEG			Date Collected:	05/12/25
Project:	Moorestown			Date Received:	05/12/25
Client Sample ID:	MOO-25-0148-E2			SDG No.:	Q2014
Lab Sample ID:	Q2014-06			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	89.6
Sample Wt/Vol:	10.06	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH_NF
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
05/14/25 09:30	05/14/25 22:35	PB167999

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	89.0		1	3.93	6.66	mg/kg	FE053831.D
Aliphatic C9-C28	Aliphatic C9-C28	84300		500	1510	6660	mg/kg	FE053843.D
Total AliphaticEPH	Total AliphaticEPH	84400			1520	6660	mg/kg	
Total EPH	Total EPH	84400			1520	6660	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

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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Project:	Moorestown		Date Received:	05/12/25	
Client Sample ID:	MOO-25-0148-E2		SDG No.:	Q2014	
Lab Sample ID:	Q2014-06		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	89.6	
Sample Wt/Vol:	10.06	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053831.D	1	05/14/25	05/14/25	PB167999

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		72500	E	3.02	13.3	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		89.0		3.93	6.66	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		0.00		40 - 140	0%	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:	Q2014-06	Acq On:	14 May 2025 22:35
Client Sample ID:	MOO-25-0148-E2	Operator:	YP\AJ
Data file:	FE053831.D	Misc:	
Instrument:	FID_E	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.101	6.742	20637384	152.234	300	ug/ml
Aliphatic C12-C16	6.743	10.189	3646958048	27000	200	ug/ml
Aliphatic C16-C21	10.190	13.562	32230643758	244000	300	ug/ml
Aliphatic C21-C28	13.563	17.229	6851511778	55200	400	ug/ml
Aliphatic C28-C40	17.230	22.109	46284923	400.975	600	ug/ml
Aliphatic EPH	3.101	22.109	42796035891	328000		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	0.000	0.000	0	0		ug/ml
Aliphatic C9-C28	3.101	17.229	42749750968	327000	1200	ug/ml