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

Report of Analysis

Client:	PSEG	Date Collected:	04/10/25
Project:	Metuchen Switch	Date Received:	04/10/25
Client Sample ID:	CRUSHED STONE	SDG No.:	Q1768
Lab Sample ID:	Q1768-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
04/11/25 09:40	04/11/25 19:43	PB167562

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	23.1		1	1.18	2.00	mg/kg	FE053332.D
Aliphatic C9-C28	Aliphatic C9-C28	1070		50	45.5	200	mg/kg	FE053339.D
Total AliphaticEPH	Total AliphaticEPH	1090			46.7	202	mg/kg	
Total EPH	Total EPH	1090			46.7	202	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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Analytical Method:	NJEPH		% Solid:	100	
Sample Wt/Vol:	30.02	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
FE053332.D	1	04/11/25	04/11/25	PB167562

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		935	E	0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		23.1		1.18	2.00	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		50.2		40 - 140	100%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		49.9		40 - 140	100%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1768-02	Acq On:	11 Apr 2025 19:43
Client Sample ID:	CRUSHED STONE	Operator:	YP\AJ
Data file:	FE053332.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	3.137	6.780	8747770	56.064	300	ug/ml
Aliphatic C12-C16	6.781	10.230	18060288	117.556	200	ug/ml
Aliphatic C16-C21	10.231	13.608	1096072542	7590	300	ug/ml
Aliphatic C21-C28	13.609	17.279	843807913	6280	400	ug/ml
Aliphatic C28-C40	17.280	22.185	43116775	346.998	600	ug/ml
Aliphatic EPH	3.137	22.185	2009805288	14400		ug/ml
ortho-Terphenyl (SURR)	11.903	11.903	8132972	49.93		ug/ml
1-chlorooctadecane (SURR)	13.361	13.361	6026003	50.2		ug/ml
Aliphatic C9-C28	3.137	17.279	1966688513	14000	1200	ug/ml