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

Report of Analysis

Client:	PSEG	Date Collected:	01/29/25
Project:	Chestnut St OP	Date Received:	01/29/25
Client Sample ID:	CHESTNUT-CONCRETE	SDG No.:	Q1221
Lab Sample ID:	Q1221-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
01/30/25 09:40	01/30/25 18:09	PB166362

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	25.2		1	1.80	2.00	mg/kg	FF015400.D
Aliphatic C9-C28	Aliphatic C9-C28	3.99	U	1	1.72	3.99	mg/kg	FF015400.D
Total AliphaticEPH	Total AliphaticEPH	25.2			3.52	5.99	mg/kg	
Total EPH	Total EPH	25.2			3.52	5.99	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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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF015400.D	1	01/30/25	01/30/25	PB166362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	0.000	U	1.72	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	25.2		1.80	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	28.7		40 - 140	57%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	27.8		40 - 140	56%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1221-01	Acq On:	30 Jan 2025 18:09
Client Sample ID:	CHESTNUT-CONCRETE	Operator:	YP\AJ
Data file:	FF015400.D	Misc:	
Instrument:	FID_F	ALS Vial:	79
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.214	6.832	542295	4.068	300	ug/ml
Aliphatic C12-C16	6.833	10.265	496512	3.587	200	ug/ml
Aliphatic C16-C21	10.266	13.632	809590	5.604	300	ug/ml
Aliphatic C21-C28	13.633	17.297	1308642	9.189	400	ug/ml
Aliphatic C28-C40	17.298	22.204	39695947	379.189	600	ug/ml
Aliphatic EPH	3.214	22.204	42852986	401.638		ug/ml
ortho-Terphenyl (SURR)	11.934	11.934	4417520	27.78		ug/ml
1-chlorooctadecane (SURR)	13.371	13.371	3577534	28.7		ug/ml
Aliphatic C9-C28	3.214	17.297	3157039	22.448	1200	ug/ml