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

Report of Analysis

Client:	PSEG	Date Collected:	03/12/25
Project:	Roseland Switching Station	Date Received:	03/12/25
Client Sample ID:	RT2321	SDG No.:	Q1553
Lab Sample ID:	Q1553-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83.3
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
03/13/25 09:50	03/14/25 9:22	PB167114

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	60.3		2	2.83	4.80	mg/kg	FE052797.D
Aliphatic C9-C28	Aliphatic C9-C28	3080		100	109	477	mg/kg	FE052798.D
Total AliphaticEPH	Total AliphaticEPH	3140			112	482	mg/kg	
Total EPH	Total EPH	3140			112	482	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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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE052788.D	1	03/13/25	03/13/25	PB167114

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		2770	E	2.06	4.80	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		56.3	E	2.16	2.40	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:	Q1553-01	Acq On:	13 Mar 2025 20:30
Client Sample ID:	RT2321	Operator:	YP\AJ
Data file:	FE052788.D	Misc:	
Instrument:	FID_E	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.150	6.794	2034051	13.043	300	ug/ml
Aliphatic C12-C16	6.795	10.247	510341440	3360	200	ug/ml
Aliphatic C16-C21	10.248	13.625	3814399617	26000	300	ug/ml
Aliphatic C21-C28	13.626	17.297	748726957	5260	400	ug/ml
Aliphatic C28-C40	17.298	22.215	89803357	703.848	600	ug/ml
Aliphatic EPH	3.150	22.215	5165305422	35400		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	3.150	17.297	5075502065	34700	1200	ug/ml