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

Report of Analysis

Client:	PSEG	Date Collected:	07/10/25
Project:	Burlington Switching Station	Date Received:	07/10/25
Client Sample ID:	ARS20-0013-E2	SDG No.:	Q2564
Lab Sample ID:	Q2564-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.5
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
07/11/25 09:20	07/11/25 18:22	PB168812

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	31.1		1	1.32	2.23	mg/kg	FE054817.D
Aliphatic C9-C28	Aliphatic C9-C28	1830		50	50.8	223	mg/kg	FE054839.D
Total AliphaticEPH	Total AliphaticEPH	1860			52.1	225	mg/kg	
Total EPH	Total EPH	1860			52.1	225	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
FE054817.D	1	07/11/25	07/11/25	PB168812

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		1530	E	1.02	4.47	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		31.1		1.32	2.23	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		39.8		40 - 140	80%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		41.8		40 - 140	84%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2564-04	Acq On:	11 Jul 2025 18:22
Client Sample ID:	ARS20-0013-E2	Operator:	YP\AJ
Data file:	FE054817.D	Misc:	
Instrument:	FID_E	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.321	6.954	1256531	9.235	300	ug/ml
Aliphatic C12-C16	6.955	10.407	450475875	3200	200	ug/ml
Aliphatic C16-C21	10.408	13.785	1564498787	10800	300	ug/ml
Aliphatic C21-C28	13.786	17.455	942667758	6520	400	ug/ml
Aliphatic C28-C40	17.456	22.481	57963438	418.063	600	ug/ml
Aliphatic EPH	3.321	22.481	3016862389	21000		ug/ml
ortho-Terphenyl (SURR)	12.098	12.098	6794354	41.84		ug/ml
1-chlorooctadecane (SURR)	13.541	13.541	5029123	39.82		ug/ml
Aliphatic C9-C28	3.321	17.455	2958898951	20600	1200	ug/ml