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

Report of Analysis

Client:	PSEG	Date Collected:	09/15/25
Project:	Bayonne Switching Station	Date Received:	09/15/25
Client Sample ID:	FREEZE-PIT-SAMPLES-E2	SDG No.:	Q3105
Lab Sample ID:	Q3105-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.7
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
09/16/25 09:50	09/16/25 19:26	PB169702

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	8.23		1	1.39	2.35	mg/kg	FE055857.D
Aliphatic C9-C28	Aliphatic C9-C28	3.79	J	1	1.07	4.71	mg/kg	FE055857.D
Total AliphaticEPH	Total AliphaticEPH	12.0			2.46	7.07	mg/kg	
Total EPH	Total EPH	12.0			2.46	7.07	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
FE055857.D	1	09/16/25	09/16/25	PB169702

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		3.79	J	1.07	4.71	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		8.23		1.39	2.35	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		28.6		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:	Q3105-02	Acq On:	16 Sep 2025 19:26
Client Sample ID:	FREEZE-PIT-SAMPLES-E	Operator:	YP\AJ
Data file:	FE055857.D	Misc:	
Instrument:	FID_E	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.310	6.941	427604	3.33	300	ug/ml
Aliphatic C12-C16	6.942	10.393	606702	4.491	200	ug/ml
Aliphatic C16-C21	10.394	13.770	4315815	29.926	300	ug/ml
Aliphatic C21-C28	13.771	17.442	1502968	10.493	400	ug/ml
Aliphatic C28-C40	17.443	22.546	14441705	104.863	600	ug/ml
Aliphatic EPH	3.310	22.546	21294794	153.103		ug/ml
ortho-Terphenyl (SURR)	12.068	12.068	4561105	27.76		ug/ml
1-chlorooctadecane (SURR)	13.506	13.506	3578803	28.62		ug/ml
Aliphatic C9-C28	3.310	17.442	6853089	48.24	1200	ug/ml