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

Report of Analysis

Client:	PSEG	Date Collected:	09/19/25
Project:	OR-500 Englewood	Date Received:	09/19/25
Client Sample ID:	OR-500-116	SDG No.:	Q3153
Lab Sample ID:	Q3153-07	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87
Sample Wt/Vol:	30.08 g	Final Vol: 2000 uL	Test: EPH_NF
Prep Method :		Prep Date : 09/22/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Total AliphaticEPH	Total AliphaticEPH	43.7			2.39	6.88	mg/kg			
Total EPH	Total EPH	43.7			2.39	6.88	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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Report of Analysis

Client:	PSEG	Date Collected:	09/19/25
Project:	OR-500 Englewood	Date Received:	09/19/25
Client Sample ID:	OR-500-116	SDG No.:	Q3153
Lab Sample ID:	Q3153-07	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87
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
09/22/25 10:00	09/23/25 4:35	PB169775

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	10.3		1	1.35	2.29	mg/kg	FE055948.D
Aliphatic C9-C28	Aliphatic C9-C28	33.4		1	1.04	4.59	mg/kg	FE055948.D
Total AliphaticEPH	Total AliphaticEPH	43.7			2.39	6.88	mg/kg	
Total EPH	Total EPH	43.7			2.39	6.88	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
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N = Presumptive Evidence of a Compound
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Report of Analysis

Client:	PSEG	Date Collected:	09/19/25
Project:	OR-500 Englewood	Date Received:	09/19/25
Client Sample ID:	OR-500-116	SDG No.:	Q3153
Lab Sample ID:	Q3153-07	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87
Sample Wt/Vol:	30.08 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
FE055948.D	1	09/22/25	09/23/25	PB169775

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	33.4		1.04	4.59	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	10.3		1.35	2.29	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.9		40 - 140	66%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	31.7		40 - 140	63%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3153-07	Acq On:	23 Sep 2025 04:35
Client Sample ID:	OR-500-116	Operator:	YP\AJ
Data file:	FE055948.D	Misc:	
Instrument:	FID_E	ALS Vial:	36
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.312	6.947	44509410	346.636	300	ug/ml
Aliphatic C12-C16	6.948	10.400	9843033	72.86	200	ug/ml
Aliphatic C16-C21	10.401	13.780	857746	5.948	300	ug/ml
Aliphatic C21-C28	13.781	17.452	1612929	11.261	400	ug/ml
Aliphatic C28-C40	17.453	22.472	18498750	134.322	600	ug/ml
Aliphatic EPH	3.312	22.472	75321868	571.026		ug/ml
ortho-Terphenyl (SURR)	12.071	12.071	5206628	31.69		ug/ml
1-chlorooctadecane (SURR)	13.508	13.508	4110115	32.87		ug/ml
Aliphatic C9-C28	3.312	17.452	56823118	436.705	1200	ug/ml