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

Report of Analysis

Client:	PSEG			Date Collected:	06/25/25
Project:	PSEG Onyx UG			Date Received:	06/25/25
Client Sample ID:	MH-G/H-EPH			SDG No.:	Q2416
Lab Sample ID:	Q2416-02			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	90.1
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
06/26/25 08:50	06/27/25 2:51	PB168624

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	8.68		1	1.31	2.21	mg/kg	FC069306.D
Aliphatic C9-C28	Aliphatic C9-C28	3.40	J	1	1.01	4.44	mg/kg	FC069306.D
Total AliphaticEPH	Total AliphaticEPH	12.1			2.32	6.65	mg/kg	
Total EPH	Total EPH	12.1			2.32	6.65	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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Project:	PSEG Onyx UG		Date Received:	06/25/25	
Client Sample ID:	MH-G/H-EPH		SDG No.:	Q2416	
Lab Sample ID:	Q2416-02		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	90.1	
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
FC069306.D	1	06/26/25	06/27/25	PB168624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	3.40	J	1.01	4.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	8.68		1.31	2.21	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	30.4		40 - 140	61%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.7		40 - 140	57%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2416-02	Acq On:	27 Jun 2025 02:51
Client Sample ID:	MH-G/H-EPH	Operator:	YP/AJ
Data file:	FC069306.D	Misc:	
Instrument:	FID_C	ALS Vial:	25
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.305	6.604	3565631	24.309	300	ug/ml
Aliphatic C12-C16	6.605	10.008	813922	5.112	200	ug/ml
Aliphatic C16-C21	10.009	13.377	863124	5.589	300	ug/ml
Aliphatic C21-C28	13.378	17.043	1499157	11.191	400	ug/ml
Aliphatic C28-C40	17.044	22.026	10839426	117.661	600	ug/ml
Aliphatic EPH	3.305	22.026	17581260	163.861		ug/ml
ortho-Terphenyl (SURR)	11.677	11.677	4965824	28.74		ug/ml
1-chlorooctadecane (SURR)	13.113	13.113	3977566	30.45		ug/ml
Aliphatic C9-C28	3.305	17.043	6741834	46.201	1200	ug/ml