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

Report of Analysis

Client:	PSEG			Date Collected:	04/16/25
Project:	PL-714 Watchung			Date Received:	04/17/25
Client Sample ID:	PL-714-02			SDG No.:	Q1832
Lab Sample ID:	Q1832-04			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	77.4
Sample Wt/Vol:	30.05	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH_NF
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
04/18/25 10:00	04/18/25 18:33	PB167646

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	18.4		1	1.52	2.58	mg/kg	FG015711.D
Aliphatic C9-C28	Aliphatic C9-C28	2.65	J	1	1.18	5.16	mg/kg	FG015711.D
Total AliphaticEPH	Total AliphaticEPH	21.0			2.69	7.74	mg/kg	
Total EPH	Total EPH	21.0			2.69	7.74	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
FG015711.D	1	04/18/25	04/18/25	PB167646

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	2.65	J	1.18	5.16	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	18.4		1.52	2.58	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	46.7		40 - 140	93%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	41.5		40 - 140	83%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1832-04	Acq On:	18 Apr 2025 18:33
Client Sample ID:	PL-714-02	Operator:	YP\AJ
Data file:	FG015711.D	Misc:	
Instrument:	FID_G	ALS Vial:	30
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.148	6.788	325799	2.89	300	ug/ml
Aliphatic C12-C16	6.789	10.237	974875	8.445	200	ug/ml
Aliphatic C16-C21	10.238	13.612	726653	6.108	300	ug/ml
Aliphatic C21-C28	13.613	17.283	1507093	13.326	400	ug/ml
Aliphatic C28-C40	17.284	22.195	21134903	214.224	600	ug/ml
Aliphatic EPH	3.148	22.195	24669323	244.993		ug/ml
ortho-Terphenyl (SURR)	11.905	11.905	6008617	41.45		ug/ml
1-chlorooctadecane (SURR)	13.349	13.349	4936406	46.68		ug/ml
Aliphatic C9-C28	3.148	17.283	3534420	30.769	1200	ug/ml