

Report of Analysis

Client:	PSEG	Date Collected:	03/12/25
Project:	Roseland Switching Station	Date Received:	03/12/25
Client Sample ID:	RT2321	SDG No.:	Q1553
Lab Sample ID:	Q1553-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	79
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
03/13/25 09:50	03/13/25 21:00	PB167114

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	30.7		1	2.28	2.53	mg/kg FE052789.D
Aliphatic C9-C28	Aliphatic C9-C28	2200		50	57.5	253	mg/kg FE052799.D
Total AliphaticEPH	Total AliphaticEPH	2230			59.8	255	mg/kg
Total EPH	Total EPH	2230			59.8	255	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE052789.D	1	03/13/25	03/13/25	PB167114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	2120	E	2.17	5.05	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	30.7		2.28	2.53	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	0.00		40 - 140	0%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1553-02	Acq On:	13 Mar 2025 21:00
Client Sample ID:	RT2321	Operator:	YP\AJ
Data file:	FE052789.D	Misc:	
Instrument:	FID_E	ALS Vial:	25
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.150	6.794	1386925	8.893	300	ug/ml
Aliphatic C12-C16	6.795	10.247	373353387	2450	200	ug/ml
Aliphatic C16-C21	10.248	13.625	2804862630	19100	300	ug/ml
Aliphatic C21-C28	13.626	17.297	516621820	3630	400	ug/ml
Aliphatic C28-C40	17.298	22.215	46540342	364.767	600	ug/ml
Aliphatic EPH	3.150	22.215	3742765104	25600		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	0.000	0.000	0	0		ug/ml
Aliphatic C9-C28	3.150	17.297	3696224762	25200	1200	ug/ml