

Report of Analysis

Client:	PSEG	Date Collected:	03/12/25
Project:	NB-418 Sayreville	Date Received:	03/12/25
Client Sample ID:	NB-418-JB-02	SDG No.:	Q1552
Lab Sample ID:	Q1552-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	56.9
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
03/13/25 09:50	03/13/25 20:00	PB167114

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	32.3		1	3.16	3.51	mg/kg	FE052787.D
Aliphatic C9-C28	Aliphatic C9-C28	6.33	J	1	3.02	7.03	mg/kg	FE052787.D
Total AliphaticEPH	Total AliphaticEPH	38.6			6.17	10.5	mg/kg	
Total EPH	Total EPH	38.6			6.17	10.5	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
FE052787.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	6.33	J	3.02	7.03	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	32.3		3.16	3.51	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	31.3		40 - 140	63%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.8		40 - 140	62%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1552-04	Acq On:	13 Mar 2025 20:00
Client Sample ID:	NB-418-JB-02	Operator:	YP\AJ
Data file:	FE052787.D	Misc:	
Instrument:	FID_E	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.150	6.794	844323	5.414	300	ug/ml
Aliphatic C12-C16	6.795	10.247	723371	4.756	200	ug/ml
Aliphatic C16-C21	10.248	13.625	1507751	10.288	300	ug/ml
Aliphatic C21-C28	13.626	17.297	5556886	39.009	400	ug/ml
Aliphatic C28-C40	17.298	22.215	35196173	275.856	600	ug/ml
Aliphatic EPH	3.150	22.215	43828504	335.323		ug/ml
ortho-Terphenyl (SURR)	11.908	11.908	5187761	30.77		ug/ml
1-chlorooctadecane (SURR)	13.353	13.353	3797472	31.27		ug/ml
Aliphatic C9-C28	3.150	17.297	8632331	59.467	1200	ug/ml