

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	Aldene Switching Station	Date Received:	
Client Sample ID:	VNJ-258MSD	SDG No.:	Q3048
Lab Sample ID:	Q3048-01MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.5
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
09/10/25 08:00	09/10/25 17:14	PB169635

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Total AliphaticEPH	Total AliphaticEPH	145			2.36	6.78	mg/kg
Total EPH	Total EPH	145			2.36	6.78	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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Client Sample ID:	VNJ-258MSD	SDG No.:	Q3048
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Analytical Method:	NJEPH	% Solid:	88.5
Sample Wt/Vol:	30.02 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
FE055749.D	1	09/10/25	09/10/25	PB169635

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	98.2	E	1.03	4.52	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	46.7	E	1.33	2.26	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	38.0		40 - 140	76%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	36.5		40 - 140	73%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3048-01MSD	Acq On:	10 Sep 2025 17:14
Client Sample ID:	Q3048-01MSD	Operator:	YP\AJ
Data file:	FE055749.D	Misc:	
Instrument:	FID_E	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.314	6.947	23871459	185.909	300	ug/ml
Aliphatic C12-C16	6.948	10.400	39321967	291.068	200	ug/ml
Aliphatic C16-C21	10.401	13.779	49843071	345.611	300	ug/ml
Aliphatic C21-C28	13.780	17.450	68996017	481.696	400	ug/ml
Aliphatic C28-C40	17.451	22.463	85450490	620.467	600	ug/ml
Aliphatic EPH	3.314	22.463	267483004	1920		ug/ml
ortho-Terphenyl (SURR)	12.076	12.076	6002045	36.53		ug/ml
1-chlorooctadecane (SURR)	13.513	13.513	4751914	38		ug/ml
Aliphatic C9-C28	3.314	17.450	182032514	1300	1200	ug/ml