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

Report of Analysis

Client:	PSEG	Date Collected:	12/17/24
Project:	Oakland Gas	Date Received:	12/17/24
Client Sample ID:	CONCRETE-VNJ-222	SDG No.:	P5312
Lab Sample ID:	P5312-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
12/18/24 08:54	12/18/24 16:58	PB165706

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	7.88		1	1.79	1.99	mg/kg	FE051685.D
Aliphatic C9-C28	Aliphatic C9-C28	4.61		1	1.72	3.99	mg/kg	FE051685.D
Total AliphaticEPH	Total AliphaticEPH	12.5			3.50	5.98	mg/kg	
Total EPH	Total EPH	12.5			3.50	5.98	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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Lab Sample ID:	P5312-03		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	100	
Sample Wt/Vol:	30.09	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
FE051685.D	1	12/18/24	12/18/24	PB165706

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	4.61		1.72	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	7.88		1.79	1.99	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.7		40 - 140	65%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.9		40 - 140	62%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P5312-03	Acq On:	18 Dec 2024 16:58
Client Sample ID:	CONCRETE-VNJ-222	Operator:	YP\AJ
Data file:	FE051685.D	Misc:	
Instrument:	FID_E	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.383	6.948	578583	4.638	300	ug/ml
Aliphatic C12-C16	6.949	10.351	594369	4.292	200	ug/ml
Aliphatic C16-C21	10.352	13.689	3557162	24.623	300	ug/ml
Aliphatic C21-C28	13.690	17.319	5490178	40.27	400	ug/ml
Aliphatic C28-C40	17.320	22.187	12876787	118.608	600	ug/ml
Aliphatic EPH	3.383	22.187	23097079	192.431		ug/ml
ortho-Terphenyl (SURR)	12.008	12.008	4966499	30.94		ug/ml
1-chlorooctadecane (SURR)	13.428	13.428	4130017	32.74		ug/ml
Aliphatic C9-C28	3.383	17.319	10220292	73.823	1200	ug/ml