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

Report of Analysis

Client:	PSEG	Date Collected:	11/08/24
Project:	Hawthorne Sub	Date Received:	11/08/24
Client Sample ID:	OILY-STONE-DRUM	SDG No.:	P4792
Lab Sample ID:	P4792-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
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
11/10/24 08:35	11/12/24 9:34	PB164844

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	256		10	18.0	20.0	mg/kg	FE051167.D
Aliphatic C9-C28	Aliphatic C9-C28	186		10	17.2	39.9	mg/kg	FE051167.D
Total AliphaticEPH	Total AliphaticEPH	442			35.2	59.9	mg/kg	
Total EPH	Total EPH	442			35.2	59.9	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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Project:	Hawthorne Sub		Date Received:	11/08/24	
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Lab Sample ID:	P4792-03		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	100	
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
FE051158.D	1	11/10/24	11/11/24	PB164844

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	187	E	1.72	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	251	E	1.80	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	27.4		40 - 140	55%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.2		40 - 140	56%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4792-03	Acq On:	11 Nov 2024 20:13
Client Sample ID:	OILY-STONE-DRUM	Operator:	YP\AJ
Data file:	FE051158.D	Misc:	
Instrument:	FID_E	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic EPH	3.140	22.059	864457484	6600		ug/ml
ortho-Terphenyl (SURR)	11.853	11.853	4237487	28.23		ug/ml
1-chlorooctadecane (SURR)	13.288	13.288	3105675	27.36		ug/ml
Aliphatic C9-C12	3.140	6.760	507073	3.624	300	ug/ml
Aliphatic C12-C16	6.761	10.193	3968556	28.219	200	ug/ml
Aliphatic C16-C21	10.194	13.553	14481463	105.115	300	ug/ml
Aliphatic C21-C28	13.554	17.209	358739375	2680	400	ug/ml
Aliphatic C28-C40	17.210	22.059	486761017	3780	600	ug/ml
Aliphatic C9-C28	3.140	17.209	377696467	2820	1200	ug/ml