

Report of Analysis

Client:	PSEG	Date Collected:	03/19/25
Project:	414 Grand Street Gas Pipe Repair	Date Received:	03/19/25
Client Sample ID:	N48965	SDG No.:	Q1606
Lab Sample ID:	Q1606-11	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	990	Units:	mL
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :	SW3510	Test:	EPH

Prep Date :	Date Analyzed :	Prep Batch ID
03/20/25 08:55	03/20/25 22:19	PB167245

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	14.2	J	1	8.36	30.3	ug/l	FF015711.D
Aliphatic C12-C16	Aliphatic C12-C16	11600		50	681	1010	ug/l	FF015717.D
Aliphatic C16-C21	Aliphatic C16-C21	36000		250	2110	7580	ug/l	FF015718.D
Aliphatic C21-C28	Aliphatic C21-C28	15000		50	631	2020	ug/l	FF015717.D
Aliphatic C28-C40	Aliphatic C28-C40	488		1	24.0	60.6	ug/l	FF015711.D
Aromatic C10-C12	Aromatic C10-C12	26.8		1	2.09	20.2	ug/l	FG015528.D
Aromatic C12-C16	Aromatic C12-C16	774		2	8.61	60.6	ug/l	FG015534.D
Aromatic C16-C21	Aromatic C16-C21	19400		50	417	2530	ug/l	FG015536.D
Aromatic C21-C36	Aromatic C21-C36	9240		10	240	808	ug/l	FG015535.D
Total AliphaticEPH	Total AliphaticEPH	63100			3450	10700	ug/l	
Total AromaticEPH	Total AromaticEPH	29400			668	3410	ug/l	
Total EPH	Total EPH	92500			4120	14100	ug/l	

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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		Test:	EPH
Prep Method :	SW3510		

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF015711.D	1	03/20/25	03/20/25	PB167245

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	14.2	J	8.36	30.3	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	11300	E	13.6	20.2	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	39000	E	8.42	30.3	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	15400	E	12.6	40.4	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	488		24.0	60.6	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	42.1		40 - 140	84%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1606-11	Acq On:	20 Mar 2025 22:19
Client Sample ID:	N48965	Operator:	YP\AJ
Data file:	FF015711.D	Misc:	
Instrument:	FID_F	ALS Vial:	84
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.210	6.833	899853	7.005	300	ug/ml
Aliphatic C12-C16	6.834	10.268	735735919	5590	200	ug/ml
Aliphatic C16-C21	10.269	13.635	2612072245	19300	300	ug/ml
Aliphatic C21-C28	13.636	17.299	1005920475	7600	400	ug/ml
Aliphatic C28-C40	17.300	22.199	26166173	241.95	600	ug/ml
Aliphatic EPH	3.210	22.199	4380794665	32700		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.406	13.406	4780214	42.12		ug/ml
Aliphatic C9-C28	3.210	17.299	4354628492	32500	1200	ug/ml