

Report of Analysis

Client:	PSEG	Date Collected:	03/19/25
Project:	B-1A Gas Leak Maintenance	Date Received:	03/19/25
Client Sample ID:	FRAC-TANK-N45878	SDG No.:	Q1604
Lab Sample ID:	Q1604-02	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	980 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

Prep Date :	Date Analyzed :	Prep Batch ID
03/20/25 08:55	03/20/25 21:49	PB167245

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	30.6	U	1	8.45	30.6	ug/l	FF015710.D
Aliphatic C12-C16	Aliphatic C12-C16	20.4	U	1	13.8	20.4	ug/l	FF015710.D
Aliphatic C16-C21	Aliphatic C16-C21	30.6	U	1	8.51	30.6	ug/l	FF015710.D
Aliphatic C21-C28	Aliphatic C21-C28	40.8	U	1	12.8	40.8	ug/l	FF015710.D
Aliphatic C28-C40	Aliphatic C28-C40	61.2	U	1	24.3	61.2	ug/l	FF015710.D
Aromatic C10-C12	Aromatic C10-C12	8.25	J	1	2.11	20.4	ug/l	FG015527.D
Aromatic C12-C16	Aromatic C12-C16	69.4		1	4.35	30.6	ug/l	FG015527.D
Aromatic C16-C21	Aromatic C16-C21	64.6		1	8.44	51.0	ug/l	FG015527.D
Aromatic C21-C36	Aromatic C21-C36	44.0	J	1	24.3	81.6	ug/l	FG015527.D
Total AliphaticEPH	Total AliphaticEPH	184	U		67.9	184	ug/l	
Total AromaticEPH	Total AromaticEPH	186			39.2	184	ug/l	
Total EPH	Total EPH	186	J		107	367	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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FF015710.D	1	03/20/25	03/20/25	PB167245

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Aliphatic C21-C28	Aliphatic C21-C28	40.8	U	12.8	40.8	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	61.2	U	24.3	61.2	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	31.8		40 - 140	64%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1604-02	Acq On:	20 Mar 2025 21:49
Client Sample ID:	FRAC-TANK-N45878	Operator:	YP\AJ
Data file:	FF015710.D	Misc:	
Instrument:	FID_F	ALS Vial:	83
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.210	6.833	0	0	300	ug/ml
Aliphatic C12-C16	6.834	10.268	358905	2.727	200	ug/ml
Aliphatic C16-C21	10.269	13.635	0	0	300	ug/ml
Aliphatic C21-C28	13.636	17.299	0	0	400	ug/ml
Aliphatic C28-C40	17.300	22.199	0	0	600	ug/ml
Aliphatic EPH	3.210	22.199	358905	2.727		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.374	13.374	3605139	31.77		ug/ml
Aliphatic C9-C28	3.210	17.299	358905	2.727	1200	ug/ml