

Report of Analysis

Client: PSEG
Project: PSEG Fairlawn Switching Station
Client Sample ID: FAIRLAWN-GRAVEL
Lab Sample ID: Q3686-01
Analytical Method: 8260D
Sample Wt/Vol: 5.43 g

Level: LOW
Final Vol: 5000 uL

Date Collected: 11/19/25
Date Received: 11/19/25
SDG No.: Q3686
Matrix: SOIL
% Solid: 100
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	0.0010	U	1	0.0010	0.0046	mg/Kg	11/20/25 12:15	VW112025
74-87-3	Chloromethane	0.0010	U	1	0.0010	0.0046	mg/Kg	11/20/25 12:15	VW112025
75-01-4	Vinyl Chloride	0.00073	U	1	0.00073	0.0046	mg/Kg	11/20/25 12:15	VW112025
74-83-9	Bromomethane	0.00099	U	1	0.00099	0.0046	mg/Kg	11/20/25 12:15	VW112025
75-00-3	Chloroethane	0.0012	U	1	0.0012	0.0046	mg/Kg	11/20/25 12:15	VW112025
75-69-4	Trichlorofluoromethane	0.0011	U	1	0.0011	0.0046	mg/Kg	11/20/25 12:15	VW112025
76-13-1	1,1,2-Trichlorotrifluoroethane	0.00098	U	1	0.00098	0.0046	mg/Kg	11/20/25 12:15	VW112025
75-35-4	1,1-Dichloroethene	0.00092	U	1	0.00092	0.0046	mg/Kg	11/20/25 12:15	VW112025
67-64-1	Acetone	0.0044	U	1	0.0044	0.023	mg/Kg	11/20/25 12:15	VW112025
75-15-0	Carbon Disulfide	0.00098	U	1	0.00098	0.0046	mg/Kg	11/20/25 12:15	VW112025
1634-04-4	Methyl tert-butyl Ether	0.00067	U	1	0.00067	0.0046	mg/Kg	11/20/25 12:15	VW112025
79-20-9	Methyl Acetate	0.0014	U	1	0.0014	0.0046	mg/Kg	11/20/25 12:15	VW112025
75-09-2	Methylene Chloride	0.0033	U	1	0.0033	0.0092	mg/Kg	11/20/25 12:15	VW112025
156-60-5	trans-1,2-Dichloroethene	0.00079	U	1	0.00079	0.0046	mg/Kg	11/20/25 12:15	VW112025
75-34-3	1,1-Dichloroethane	0.00074	U	1	0.00074	0.0046	mg/Kg	11/20/25 12:15	VW112025
110-82-7	Cyclohexane	0.00073	U	1	0.00073	0.0046	mg/Kg	11/20/25 12:15	VW112025
78-93-3	2-Butanone	0.0060	U	1	0.0060	0.023	mg/Kg	11/20/25 12:15	VW112025
56-23-5	Carbon Tetrachloride	0.00089	U	1	0.00089	0.0046	mg/Kg	11/20/25 12:15	VW112025
156-59-2	cis-1,2-Dichloroethene	0.00069	U	1	0.00069	0.0046	mg/Kg	11/20/25 12:15	VW112025
74-97-5	Bromochloromethane	0.0011	U	1	0.0011	0.0046	mg/Kg	11/20/25 12:15	VW112025
67-66-3	Chloroform	0.00077	U	1	0.00077	0.0046	mg/Kg	11/20/25 12:15	VW112025
71-55-6	1,1,1-Trichloroethane	0.00086	U	1	0.00086	0.0046	mg/Kg	11/20/25 12:15	VW112025
108-87-2	Methylcyclohexane	0.00084	U	1	0.00084	0.0046	mg/Kg	11/20/25 12:15	VW112025
71-43-2	Benzene	0.00073	U	1	0.00073	0.0046	mg/Kg	11/20/25 12:15	VW112025
107-06-2	1,2-Dichloroethane	0.00073	U	1	0.00073	0.0046	mg/Kg	11/20/25 12:15	VW112025
79-01-6	Trichloroethene	0.00075	U	1	0.00075	0.0046	mg/Kg	11/20/25 12:15	VW112025
78-87-5	1,2-Dichloropropane	0.00084	U	1	0.00084	0.0046	mg/Kg	11/20/25 12:15	VW112025
75-27-4	Bromodichloromethane	0.00072	U	1	0.00072	0.0046	mg/Kg	11/20/25 12:15	VW112025
108-10-1	4-Methyl-2-Pentanone	0.0033	U	1	0.0033	0.023	mg/Kg	11/20/25 12:15	VW112025
108-88-3	Toluene	0.00072	U	1	0.00072	0.0046	mg/Kg	11/20/25 12:15	VW112025
10061-02-6	t-1,3-Dichloropropene	0.00060	U	1	0.00060	0.0046	mg/Kg	11/20/25 12:15	VW112025
10061-01-5	cis-1,3-Dichloropropene	0.00057	U	1	0.00057	0.0046	mg/Kg	11/20/25 12:15	VW112025
79-00-5	1,1,2-Trichloroethane	0.00085	U	1	0.00085	0.0046	mg/Kg	11/20/25 12:15	VW112025
591-78-6	2-Hexanone	0.0034	U	1	0.0034	0.023	mg/Kg	11/20/25 12:15	VW112025
124-48-1	Dibromochloromethane	0.00080	U	1	0.00080	0.0046	mg/Kg	11/20/25 12:15	VW112025
106-93-4	1,2-Dibromoethane	0.00081	U	1	0.00081	0.0046	mg/Kg	11/20/25 12:15	VW112025
127-18-4	Tetrachloroethene	0.00097	U	1	0.00097	0.0046	mg/Kg	11/20/25 12:15	VW112025
108-90-7	Chlorobenzene	0.00084	U	1	0.00084	0.0046	mg/Kg	11/20/25 12:15	VW112025
100-41-4	Ethyl Benzene	0.00062	U	1	0.00062	0.0046	mg/Kg	11/20/25 12:15	VW112025
179601-23-1	m/p-Xylenes	0.0011	U	1	0.0011	0.0092	mg/Kg	11/20/25 12:15	VW112025
95-47-6	o-Xylene	0.00076	U	1	0.00076	0.0046	mg/Kg	11/20/25 12:15	VW112025
100-42-5	Styrene	0.00065	U	1	0.00065	0.0046	mg/Kg	11/20/25 12:15	VW112025
75-25-2	Bromoform	0.00079	U	1	0.00079	0.0046	mg/Kg	11/20/25 12:15	VW112025

Report of Analysis

Client:	PSEG	Date Collected:	11/19/25
Project:	PSEG Fairlawn Switching Station	Date Received:	11/19/25
Client Sample ID:	FAIRLAWN-GRAVEL	SDG No.:	Q3686
Lab Sample ID:	Q3686-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5.43 g	Test:	VOC-TCLVOA-10
	Level: LOW		
	Final Vol: 5000 uL		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.00072	U	1	0.00072	0.0046	mg/Kg	11/20/25 12:15	VW112025
79-34-5	1,1,2,2-Tetrachloroethane	0.0011	U	1	0.0011	0.0046	mg/Kg	11/20/25 12:15	VW112025
541-73-1	1,3-Dichlorobenzene	0.0016	U	1	0.0016	0.0046	mg/Kg	11/20/25 12:15	VW112025
106-46-7	1,4-Dichlorobenzene	0.0014	U	1	0.0014	0.0046	mg/Kg	11/20/25 12:15	VW112025
95-50-1	1,2-Dichlorobenzene	0.0013	U	1	0.0013	0.0046	mg/Kg	11/20/25 12:15	VW112025
96-12-8	1,2-Dibromo-3-Chloropropane	0.0017	U	1	0.0017	0.0046	mg/Kg	11/20/25 12:15	VW112025
120-82-1	1,2,4-Trichlorobenzene	0.0027	U	1	0.0027	0.0046	mg/Kg	11/20/25 12:15	VW112025
87-61-6	1,2,3-Trichlorobenzene	0.0029	U	1	0.0029	0.0046	mg/Kg	11/20/25 12:15	VW112025

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	58.8			63 - 155	118%	SPK: 50
1868-53-7	Dibromofluoromethane	52.2			70 - 134	104%	SPK: 50
2037-26-5	Toluene-d8	44.4			74 - 123	89%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.9			52 - 138	110%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	199000
540-36-3	1,4-Difluorobenzene	462000
3114-55-4	Chlorobenzene-d5	509000
3855-82-1	1,4-Dichlorobenzene-d4	234000

TENTATIVE IDENTIFIED COMPOUNDS

000939-27-5	Naphthalene, 2-ethyl-	19.1	J		12.4	ug/Kg
000582-16-1	Naphthalene, 2,7-dimethyl-	23.1	J		12.8	ug/Kg
000581-40-8	Naphthalene, 2,3-dimethyl-	57.4	J		13.3	ug/Kg
000575-37-1	Naphthalene, 1,7-dimethyl-	32.7	J		13.4	ug/Kg
000575-43-9	Naphthalene, 1,6-dimethyl-	19.9	J		13.9	ug/Kg
000575-41-7	Naphthalene, 1,3-dimethyl-	8.00	J		14.3	ug/Kg
000643-93-6	1,1-Biphenyl, 3-methyl-	18.0	J		14.5	ug/Kg
000829-26-5	Naphthalene, 2,3,6-trimethyl-	8.40	J		16.1	ug/Kg

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

M = MS/MSD acceptance 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

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products