

Report of Analysis

Client: PSEG
Project: PSEG West End M&R (West End Gas Plant)
Client Sample ID: 2052
Lab Sample ID: Q3536-04
Analytical Method: 8260D
Sample Wt/Vol: 1.5 g

Soil Aliquot Vol: 100 uL
Level: MED
Final Vol: 10000 uL

Date Collected: 11/04/25
Date Received: 11/04/25
SDG No.: Q3536
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	1.70	U	1	0.38	1.70	mg/Kg	11/06/25 16:54	VN110625
74-87-3	Chloromethane	1.70	U	1	0.38	1.70	mg/Kg	11/06/25 16:54	VN110625
75-01-4	Vinyl Chloride	1.70	U	1	0.26	1.70	mg/Kg	11/06/25 16:54	VN110625
74-83-9	Bromomethane	1.70	U	1	0.36	1.70	mg/Kg	11/06/25 16:54	VN110625
75-00-3	Chloroethane	1.70	U	1	0.42	1.70	mg/Kg	11/06/25 16:54	VN110625
75-69-4	Trichlorofluoromethane	1.70	U	1	0.40	1.70	mg/Kg	11/06/25 16:54	VN110625
76-13-1	1,1,2-Trichlorotrifluoroethane	1.70	U	1	0.35	1.70	mg/Kg	11/06/25 16:54	VN110625
75-35-4	1,1-Dichloroethene	1.70	U	1	0.33	1.70	mg/Kg	11/06/25 16:54	VN110625
67-64-1	Acetone	8.30	U	1	1.60	8.30	mg/Kg	11/06/25 16:54	VN110625
75-15-0	Carbon Disulfide	6.70		1	0.35	1.70	mg/Kg	11/06/25 16:54	VN110625
1634-04-4	Methyl tert-butyl Ether	1.70	U	1	0.24	1.70	mg/Kg	11/06/25 16:54	VN110625
79-20-9	Methyl Acetate	1.10	J	1	0.51	1.70	mg/Kg	11/06/25 16:54	VN110625
75-09-2	Methylene Chloride	3.30	U	1	1.20	3.30	mg/Kg	11/06/25 16:54	VN110625
156-60-5	trans-1,2-Dichloroethene	1.70	U	1	0.29	1.70	mg/Kg	11/06/25 16:54	VN110625
75-34-3	1,1-Dichloroethane	1.70	U	1	0.27	1.70	mg/Kg	11/06/25 16:54	VN110625
110-82-7	Cyclohexane	1.70	U	1	0.26	1.70	mg/Kg	11/06/25 16:54	VN110625
78-93-3	2-Butanone	8.30	U	1	2.20	8.30	mg/Kg	11/06/25 16:54	VN110625
56-23-5	Carbon Tetrachloride	1.70	U	1	0.32	1.70	mg/Kg	11/06/25 16:54	VN110625
156-59-2	cis-1,2-Dichloroethene	1.70	U	1	0.25	1.70	mg/Kg	11/06/25 16:54	VN110625
74-97-5	Bromochloromethane	1.70	U	1	0.38	1.70	mg/Kg	11/06/25 16:54	VN110625
67-66-3	Chloroform	1.70	U	1	0.28	1.70	mg/Kg	11/06/25 16:54	VN110625
71-55-6	1,1,1-Trichloroethane	1.70	U	1	0.31	1.70	mg/Kg	11/06/25 16:54	VN110625
108-87-2	Methylcyclohexane	0.53	J	1	0.30	1.70	mg/Kg	11/06/25 16:54	VN110625
71-43-2	Benzene	0.49	J	1	0.26	1.70	mg/Kg	11/06/25 16:54	VN110625
107-06-2	1,2-Dichloroethane	1.70	U	1	0.26	1.70	mg/Kg	11/06/25 16:54	VN110625
79-01-6	Trichloroethene	1.70	U	1	0.27	1.70	mg/Kg	11/06/25 16:54	VN110625
78-87-5	1,2-Dichloropropane	1.70	U	1	0.30	1.70	mg/Kg	11/06/25 16:54	VN110625
75-27-4	Bromodichloromethane	1.70	U	1	0.26	1.70	mg/Kg	11/06/25 16:54	VN110625
108-10-1	4-Methyl-2-Pentanone	8.30	U	1	1.20	8.30	mg/Kg	11/06/25 16:54	VN110625
108-88-3	Toluene	1.80		1	0.26	1.70	mg/Kg	11/06/25 16:54	VN110625
10061-02-6	t-1,3-Dichloropropene	1.70	U	1	0.22	1.70	mg/Kg	11/06/25 16:54	VN110625
10061-01-5	cis-1,3-Dichloropropene	1.70	U	1	0.21	1.70	mg/Kg	11/06/25 16:54	VN110625
79-00-5	1,1,2-Trichloroethane	1.70	U	1	0.31	1.70	mg/Kg	11/06/25 16:54	VN110625
591-78-6	2-Hexanone	8.30	U	1	1.20	8.30	mg/Kg	11/06/25 16:54	VN110625
124-48-1	Dibromochloromethane	1.70	U	1	0.29	1.70	mg/Kg	11/06/25 16:54	VN110625
106-93-4	1,2-Dibromoethane	1.70	U	1	0.29	1.70	mg/Kg	11/06/25 16:54	VN110625
127-18-4	Tetrachloroethene	1.70	U	1	0.35	1.70	mg/Kg	11/06/25 16:54	VN110625
108-90-7	Chlorobenzene	1.70	U	1	0.30	1.70	mg/Kg	11/06/25 16:54	VN110625
100-41-4	Ethyl Benzene	1.70	U	1	0.22	1.70	mg/Kg	11/06/25 16:54	VN110625
179601-23-1	m/p-Xylenes	1.20	J	1	0.41	3.30	mg/Kg	11/06/25 16:54	VN110625
95-47-6	o-Xylene	1.70	U	1	0.27	1.70	mg/Kg	11/06/25 16:54	VN110625
100-42-5	Styrene	1.70	U	1	0.24	1.70	mg/Kg	11/06/25 16:54	VN110625
75-25-2	Bromoform	1.70	U	1	0.29	1.70	mg/Kg	11/06/25 16:54	VN110625

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Project:	PSEG West End M&R (West End Gas Plant)	Date Received:	11/04/25
Client Sample ID:	2052	SDG No.:	Q3536
Lab Sample ID:	Q3536-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	1.5 g	Test:	VOC-TCLVOA-10
	Soil Aliquot Vol: 100 uL		
	Level: MED		
	Final Vol: 10000 uL		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	1.70	U	1	0.26	1.70	mg/Kg	11/06/25 16:54	VN110625
79-34-5	1,1,2,2-Tetrachloroethane	1.70	U	1	0.40	1.70	mg/Kg	11/06/25 16:54	VN110625
541-73-1	1,3-Dichlorobenzene	1.70	U	1	0.57	1.70	mg/Kg	11/06/25 16:54	VN110625
106-46-7	1,4-Dichlorobenzene	1.70	U	1	0.52	1.70	mg/Kg	11/06/25 16:54	VN110625
95-50-1	1,2-Dichlorobenzene	1.70	U	1	0.48	1.70	mg/Kg	11/06/25 16:54	VN110625
96-12-8	1,2-Dibromo-3-Chloropropane	1.70	U	1	0.61	1.70	mg/Kg	11/06/25 16:54	VN110625
120-82-1	1,2,4-Trichlorobenzene	1.70	U	1	0.99	1.70	mg/Kg	11/06/25 16:54	VN110625
87-61-6	1,2,3-Trichlorobenzene	1.70	U	1	1.10	1.70	mg/Kg	11/06/25 16:54	VN110625
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	59.7			63 - 155	119%	SPK: 50		
1868-53-7	Dibromofluoromethane	50.7			70 - 134	101%	SPK: 50		
2037-26-5	Toluene-d8	49.1			74 - 123	98%	SPK: 50		
460-00-4	4-Bromofluorobenzene	48.5			17 - 146	97%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	233000							
540-36-3	1,4-Difluorobenzene	523000							
3114-55-4	Chlorobenzene-d5	463000							
3855-82-1	1,4-Dichlorobenzene-d4	214000							
TENTATIVE IDENTIFIED COMPOUNDS									
95-63-6	1,2,4-Trimethylbenzene	430	J			13.5	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